

**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 (µg/m ³) | ITSL Avg Time | 2° ITSL (µg/m ³) | ITSL Avg Time | IRSL (µg/m ³) | SRSL (µg/m ³) | IRSL Avg Time |
|------------|---|------|---------------------------------|------------------|---------------------------------|------------------|------------------------------|------------------------------|------------------|
| 3052-70-8 | (1-methylethylidene)bis(1,1-dimethylpropyl)peroxide | | 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-cyclopentane | | 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-diloxy)]bisbenzene | | 0.1 | 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 with methylated | | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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-(dimethoxymethylsilyl)-2-met | | 0.1 | annual | | | | | |
| 75-55-8 | 1,2-propylenimine | | 5 | 8 hr | | | | | |
| 1072-53-3 | 1,3,2-dioxathiolane,2,2-dioxide | | 0.1 | annual | | | | | |
| 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 with 2,2'-((1-met | | 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-(benzyl phthalate)-i | | 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 | annual | 7200 | 1 hr | 0.2 | 2 | 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 | | | | | |

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|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 58-36-6 | 10,10'-oxybisphenoxarsine oxide | | 0.2 | annual | | | | | |
| - -0 | 100 sxl | | 0.1 | annual | | | | | |
| 13209-41-1 | 17,21-dihydroxy-16 alpha-methylpregna-1,4,9(11)-trie | | 0.1 | annual | | | | | |
| 16079-88-2 | 1-bromo-3-chloro-5,5-dimethylhydantoin | | 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 |
| 112-41-4 | 1-dodecene | | 29 | annual | | | | | |
| 611-14-3 | 1-ethyl-2-methylbenzene | | 0.1 | annual | | | | | |
| 2687-91-4 | 1-ethyl-2-pyrrolidone | | 4.9 | 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 | | | | | |
| 107-03-9 | 1-propanethiol | | 16 | 1 hr | | | | | |
| 1569-01-3 | 1-propoxy-2-propanol | | 86 | 24 hr | | | | | |
| 1072-63-5 | 1-vinylimidazol | | 9 | annual | | | | | |
| - -0 | 2-(1-ethoxyethoxy)-6-(trifluoromethyl)-benzenethiol | | 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-diisobutyrate | | 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]triazolo(1,5-c)p | | 0.8 | annual | | | | | |
| 1746-01-6 | 2,3,7,8-tetrachlorodibenzo(p)dioxin | | 0.000002 | annual | | | 0.00000023 | 0.00000023 | annual |

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|------------|--------------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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)phenol | | 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 | 13 | 0.07 | annual | 0.4 | 8 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-dichlorobenzeneamine | | 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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|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 91-08-7 | 2,6-toluene diisocyanate | 13 | 0.07 | annual | 0.04 | 8 hr | 0.03 | 0.3 | annual |
| 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 ester | | 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, polymer with chlo | | 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 | | 70 | 24 hr | | | | | |
| 104-76-7 | 2-ethylhexanol | | 70 | annual | | | | | |
| 103-09-3 | 2-ethylhexyl acetate | | 15 | annual | | | | | |

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|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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-propanone | | 0.1 | annual | | | | | |
| 56780-58-6 | 2-hydroxy-3-trimethylammoniopropyl ether starch | | 0.1 | annual | | | | | |
| 68092-49-9 | 2-hydroxy-4(2'-hydroxy-3'dacyloxypropoxy)-benzoph | | 0.1 | annual | | | | | |
| 68083-40-9 | 2-hydroxy-4(2'-hydroxy-3'octoxypropoxy)-benzophen | | 0.1 | annual | | | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | 10 | annual | | | | | |
| - -0 | 2-mercapto-3-(trifluoromethyl)-phenol | | 0.1 | annual | | | | | |
| 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 | | | | | |
| 88-75-5 | 2-nitrophenol | | 18 | 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 | | | | | |

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|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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-dimethylhydantoin | | 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 | | | | | |
| 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 methylphosphonate | | 0.1 | annual | | | | | |
| 28984-69-2 | 4,4-(5h)-oxazolidimethanol, 2-(hepadecanyl) | | 0.1 | annual | | | | | |
| 1761-71-3 | 4,4'-diaminodicyclohexylmethane | | 6 | annual | | | | | |

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|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 5436-21-5 | 4,4-dimethoxy-2-butanone | | 20 | 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-fluoropyrimidine | | 0.1 | annual | | | | | |
| 110888-15-8 | 4-chloro-3-fluorobenzonitrile | | 0.1 | annual | | | | | |
| 65402-65-5 | 4-hydroxytetramethyl piperadine free radical (4-oh-te | | 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 chloride | | 7 | annual | | | | | |
| 97658-80-5 | 5-bp-bisenamine | | 10 | annual | | | | | |
| 26172-55-4 | 5-chloro-2-methyl-4-isothiazolin-3-one | | 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 | | | | | |
| 98-86-2 | acetophenone | | 490 | 8 hr | | | | | |
| 75-36-5 | acetyl chloride | | 0.1 | annual | | | | | |
| 107-02-8 | acrolein | 13 | 0.16 | annual | | 5 | | | 1 hr |

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|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 79-06-1 | acrylamide | | 6 | 24 hr | | | 0.005 | 0.05 | 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 ammonium chloride | | 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 propoxylated | | 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)polysiloxane | | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | | | |
| 16919-31-6 | ammonium hexafluorozirconate | | 0.1 | annual | | | | | |
| 1336-21-6 | ammonium hydroxide | | 200 | 24 hr | | | | | |
| 12054-85-2 | ammonium molybdate | | 5 | 8 hr | | | | | |
| 61790-53-2 | amorphous silica - diatomaceous earth | 28 | 60 | 8 hr | | | | | |
| 60676-86-0 | amorphous silica - fused silica | 28 | 60 | 8 hr | | | | | |
| 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 | | | | | |
| 69012-64-2 | amorphous silica - silica fume | 28 | 60 | 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 reductone | | 0.6 | annual | | | | | |
| 62-53-3 | aniline | | 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 |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|------------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 7784-42-1 | arsine | | 0.05 | 24 hr | | | | | |
| 1332-21-4 | asbestos | 16 | | | | | 0.000022 | 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 |
| 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 | | | | | |
| 65-85-0 | benzoic acid | 26 | | | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | 13 | 8 hr | | | 0.43 | 4.3 | annual |
| 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 | | | | | | 0.000016 | 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 phthalate ester | | 0.1 | annual | | | | | |
| 111381-89-6 | branched and linear heptyl nonyl phthalate ester | | 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 |
| 56741-95-8 | bropirimine | | 15 | annual | | | | | |
| 69102-90-5 | butadiene homopolymer | | 0.1 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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, ethoxylated alcohol | | 8 | 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 | | 30 | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 monohydrate | | 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 |
| 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 | | 50 | annual | 4400 | 8 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 | | | 0.000083 | 0.00083 | annual |
| 18540-29-9 | chromium, hexavalent - particulate | | 0.1 | 24 hr | | | 0.000083 | 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 cracked | | 12 | annual | | | | | |
| 24729-96-2 | clindamycin phosphate | | 6 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | 2 | 8 hr | | | | | |
| 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 | | | | | |
| 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 | | 2 | 8 hr | | | | | |
| 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, d3 | | 0.6 | annual | | | | | |
| 110-82-7 | cyclohexane | | 6000 | 24 hr | | | | | |
| 108-94-1 | cyclohexanone | | 800 | 8 hr | | | | | |
| 12262-58-7 | cyclohexanone peroxide | | 0.1 | annual | | | | | |
| 110-83-8 | cyclohexene | | 10000 | 8 hr | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|--------------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 |
| 7783-28-0 | diammonium hydrogen phosphate | | 0.1 | annual | | | | | |
| 2050-92-2 | diamylamine | | 9 | annual | | | | | |
| 95481-62-2 | dibasic ester | | 1 | annual | | | | | |
| 53-70-3 | dibenz(a,h)anthracene | 5 | | | | | | | annual |
| 132-64-9 | dibenzofuran | | 4 | 24 hr | | | | | |
| 96-12-8 | dibromochloropropane | 3 | 0.2 | 24 hr | | | 0.0001 | 0.001 | annual |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 142-96-1 | dibutyl ether | | 33 | annual | | | | | |
| 107-66-4 | dibutyl phosphate | | 50 | 8 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 | | | | | |
| 77-73-6 | dicyclopentadiene | | 1 | 24 hr | | | | | |
| - -0 | dicyclopentylidichlorosilane | | 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 ether | | 22 | annual | | | | | |
| 124-17-4 | diethylene glycol monobutyl ether acetate | | 25 | 24 hr | | | | | |
| 111-90-0 | diethylene glycol monoethyl ether | | 1750 | 24 hr | | | | | |
| 112-15-2 | diethylene glycol monoethyl ether acetate | 10 | 18 | annual | | | | | |
| 111-77-3 | diethylene glycol monomethyl ether | | 190 | 24 hr | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 104-68-7 | diethylene glycol monophenyl ether | | 7 | annual | | | | | |
| 68610-11-7 | diethylenetriamine reaction product with bisphenol a | | 0.1 | annual | | | | | |
| 105-53-3 | diethylmalonate | | 50 | annual | | | | | |
| 2238-07-5 | diglycidyl ether | | 0.5 | 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 | | | | | |
| 127-19-5 | dimethyl acetamide | | 100 | 24 hr | | | | | |
| 627-93-0 | dimethyl adipate | 27 | | | | | | | |
| 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 | 27 | | | | | | | |
| 756-79-6 | dimethyl methyl phosphonate | | 700 | 24 hr | | | | | |
| 106-65-0 | dimethyl succinate | 27 | | | | | | | |
| 77-78-1 | dimethyl sulfate | | 0.5 | 8 hr | | | | | |
| 25988-97-0 | dimethylamine-epichlorohydrin polymer | | 0.1 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|-----------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | dimethyldiphenydivinylsiloxane | | 0.1 | annual | | | | | |
| 108-01-0 | dimethylethanolamine | | 5.2 | annual | 220 | 8 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 | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 88917-22-0 | dipropylene glycol methyl ether acetate | | 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 | | | | | |
| 7558-79-4 | disodium hydrogen phosphate | | 10 | 24 hr | | | | | |
| 123312-54-9 | distearyldimethylammonium bisulfate | | 0.1 | annual | | | | | |
| 3843-16-1 | distearyldimethylammonium methosulfate | | 0.1 | annual | | | | | |
| 64741-89-5 | distillates (petroleum) solvent-refined light paraffinic | 11 | 50 | 8 hr | | | | | |
| 64742-30-9 | distillates (petroleum), chemically neutralized middle | 1 | 2 | annual | | | | | |
| 68410-00-4 | distillates (petroleum), crude oil | | 19 | annual | | | | | |
| 64741-81-7 | distillates (petroleum), heavy thermal cracked | | 15 | annual | | | | | |
| 64741-82-8 | distillates (petroleum), light thermal cracked | 24 | 93 | annual | | | | | |
| 64741-59-9 | distillates, (petroleum), light catalytic cracked | 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 | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 313-06-4 | estradiol cypionate | | 0.1 | annual | | | | | |
| 141-43-5 | ethanolamine | | 80 | 8 hr | | | | | |
| - -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 | 26 | | 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 | | | | | |
| 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-ethyloxypropionate | | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 142-59-6 | ethylene bithiocarbamate disodium | | 1 | annual | | | | | |
| 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 ether | | 37 | annual | | | | | |
| 112-07-2 | ethylene glycol monobutyl ether acetate | 10 | 17600 | 24 hr | | | | | |
| 111-15-9 | ethylene glycol monoethyl ether acetate | | 293 | 24 hr | | | | | |
| 112-25-4 | ethylene glycol monohexyl ether | | 8 | annual | | | | | |
| 110-49-6 | ethylene glycol monomethyl ether acetate | | 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, tetrasodium salt | | 0.1 | annual | | | | | |
| 9004-58-4 | ethylhydroxyethyl cellulose | | 50 | 8 hr | | | | | |
| 68037-77-4 | ethylmethylsiloxane, 2-phenylpropylmethylsiloxane c | | 0.1 | annual | | | | | |
| 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 solvent | | 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 esters polymer | | 0.1 | annual | | | | | |
| 136797-56-3 | fc-247 | | 24 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | 30 | 24 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 |
| 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-dichlorotetrasilazane | | 0.1 | annual | | | | | |
| 1873-88-7 | heptamethyltrisiloxane | | 0.1 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | 13 | 30 | annual | 1600 | 8 hr | 0.1 | 1 | 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 | | 0.2 | annual | 0.3 | 8 hr | | | |
| 100-97-0 | hexamethylenetetramine | | 100 | annual | | | | | |
| 66-25-1 | hexanaldehyde | | 2 | annual | | | | | |
| 69696-98-6 | hexane 1,6-bis(tributyl ammonium bromi | | 0.1 | annual | | | | | |
| 144669-03-4 | hexenylsiloxane | | 16 | annual | | | | | |
| 144669-04-5 | hexenylsiloxanes | | 16 | annual | | | | | |
| 107-41-5 | hexylene glycol | | 1210 | 1 hr | | | | | |
| 431-89-0 | hfc-227ea | 13 | 130000 | annual | 5560000 | 1 hr | | | |
| 68410-97-9 | high benzene naphtha hydrotreated c6-c8 fraction | | 30 | annual | 30 | 24 hr | 0.1 | 1 | annual |
| 68037-88-7 | high molecular weight sili | | 0.1 | annual | | | | | |
| 68037-58-1 | high molecular wt. silicon | | 0.1 | annual | | | | | |
| 68918-22-9 | high molecular wt. silicon | | 0.1 | annual | | | | | |
| 70131-67-8 | high molecular wt. silicon | | 0.1 | annual | | | | | |
| 68083-19-2 | high molecular wt. silicon | | 0.1 | annual | | | | | |
| 63148-62-9 | high molecular wt. silicon | | 2 | annual | | | | | |
| 69430-24-6 | high molecular wt. silicon | | 30 | annual | | | | | |
| 302-01-2 | hydrazine | | | | | | 0.0002 | 0.002 | annual |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 10034-93-2 | hydrazine sulfate | | | | | | 0.0008 | 0.008 | annual |
| 68956-56-9 | hydrocarbons, terpene processing by-products | | 0.1 | annual | | | | | |
| 50-03-3 | hydrocortisone acetate | | 15 | annual | | | | | |
| 64742-81-0 | hydrodesulfurized kerosene | 24 | 4 | 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 distillate | 11 | 50 | 8 hr | | | | | |
| 64742-54-7 | hydrotreated heavy paraffinic mineral oil | 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 distillate | 11 | 50 | 8 hr | | | | | |
| 64742-55-8 | hydrotreated light paraffinic distillate | 11 | 50 | 8 hr | | | | | |
| 64742-46-7 | hydrotreated middle distillate | 1 | 50 | 8 hr | | | | | |
| 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 | | 1 | 8 hr | | | | | |
| 15321-61-6 | iron oxalate | | 0.1 | annual | | | | | |
| 123-92-2 | isoamyl acetate | | 2700 | 8 hr | 5300 | 1 hr | | | |
| 123-51-3 | isoamyl alcohol | | 360 | 8 hr | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 |
| 4098-71-9 | isophorone diisocyanate | | 0.45 | 8 hr | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|--|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 64741-66-8 | light alkylate naphtha | | 138 | annual | | | | | |
| 64742-95-6 | light aromatic solvent naphtha (petroleum) | 1 | 61 | annual | | | | | |
| 859-18-7 | lincomycin hydrochloride | | 75 | 24 hr | | | | | |
| 141-63-9 | linear dimethylsiloxanes,md3m(&higher) | | 0.1 | annual | | | | | |
| 68083-20-5 | linear methylvinylsiloxane ppolymer hydroxyl endbloc | | 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 | | | | | |
| 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 | | | | | |
| 110-16-7 | maleic acid | | 0.1 | annual | | | | | |
| 108-31-6 | maleic anhydride | | 0.1 | 8 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-chlorophenoxyacetic acid 2-e | | 90 | annual | | | | | |
| 644-62-2 | meclofenamic acid | | 0.1 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m ³) | ITSL Avg Time | 2° ITSL (µg/m ³) | ITSL Avg Time | IRSL (µg/m ³) | SRSL (µg/m ³) | IRSL Avg Time |
|------------|------------------------------|------|---------------------------------|------------------|---------------------------------|------------------|------------------------------|------------------------------|------------------|
| 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 | | 20000 | 24 hr | 28000 | 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 | 21 | 90 | 24 hr | | | | | |
| 71-55-6 | methyl chloroform | | 6000 | 24 hr | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m ³) | ITSL Avg Time | 2° ITSL (µg/m ³) | ITSL Avg Time | IRSL (µg/m ³) | SRSL (µg/m ³) | IRSL Avg Time |
|------------|---|------|---------------------------------|------------------|---------------------------------|------------------|------------------------------|------------------------------|------------------|
| 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 ester of decanedioic | | 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 | methyldichlorosilane | | 4 | annual | | | | | |
| 105-59-9 | methyldiethanolamine | | 6 | annual | | | | | |
| 16881-77-9 | methyldimethoxysilane | | 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 | methyilsilane | | 30 | 24 hr | | | | | |
| 4253-34-3 | methyltriacetoxysilane | | 0.1 | annual | | | | | |
| 75-79-6 | methyltrichlorosilane | | 109 | annual | | | | | |
| 2031-67-6 | methyltriethoxysilane | | 23 | annual | | | | | |
| 50791-87-2 | methylvinylbis(n-methylace | | 4 | annual | | | | | |
| 124-70-9 | methylvinylidichlorosilane | | 6 | annual | | | | | |
| 16753-62-1 | methylvinylidimethoxysilane | | 100 | annual | | | | | |
| 8012-95-1 | mineral oil | 11 | 50 | 8 hr | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 acid | | 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-dimethoxy(1,2, | | 0.1 | annual | | | | | |
| 113171-12-3 | n-(2,6-difluorophenyl)-5-amino-1h-1,2,4-triazole-3-su | | 0.1 | annual | | | | | |
| 98967-55-6 | n-(2,6-difluorophenyl)-7-methyl-1h-1,2,4-triazolo(1,5 | | 0.1 | annual | | | | | |
| 1760-24-3 | n-(3-(trimethoxysilyl)propyl)-ethylenediamine | | 8 | annual | | | | | |
| 104-78-9 | n,n-diethyl-1,3-propanediamine | | 140 | annual | | | | | |
| 606-46-2 | n,n-diethyl-o-toluine | | 0.1 | annual | | | | | |
| 613-48-9 | n,n-diethyl-p-toludine | | 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) hydrodesulfurized heavy | | 14 | annual | | | | | |
| 64741-55-5 | naphtha (petroleum), light catalytic cracked | 25 | 5600 | 24 hr | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|-----------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | | | |
| 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 | annual | 520 | 8 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 | 160 | 8 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | 290 | 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 |
| 684-93-5 | n-nitroso-n-methylurea | | | | | | 0.0000017 | 0.000017 | 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 propionate | | 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 | | | | | |
| - -0 | o-(1-ethoxyethyl)-2-(propylthio)-3-(trifluoromethyl)p | | 0.1 | annual | | | | | |
| 3020-12-0 | o-(1-ethoxyethyl)-3-(trifluoromethyl)phenol | | 0.1 | annual | | | | | |
| 134-29-2 | o-ansidine hydrochloride | | | | | | 0.04 | 0.4 | annual |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 ester | | 0.1 | annual | | | | | |
| 27668-52-6 | octadecyldimethyl (3-(trimethoxysilyl)propyl) ammoni | | 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 methylesters, po | | 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 oxirane, monomethyl e | | 0.1 | annual | | | | | |
| 90438-79-2 | oxo-heptyl acetate | | 41 | annual | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | perfluorobutylethylmethyldichlorosilane | | 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 | | | | | |
| 64741-79-3 | petroleum coke | 26 | | | | | | | |
| 64742-14-9 | petroleum distillates, acid treated | 1 | 24 | annual | | | | | |
| 68476-86-8 | petroleum gases, liquefied, sweetened | | 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 | | 190 | 8 hr | | | | | |
| 55818-57-0 | phenol, 4,4-(1-methylethylidene)bis, polymer with (ch | | 0.1 | annual | | | | | |
| 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-propanol) | | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | | | |
| 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 diisocyanate | | 0.6 | 24 hr | | | | | |
| 26780-96-1 | poly(1,2-dihydro-2,2,4-trimethylquinoline) | | 35 | 24 hr | | | | | |
| 31726-34-8 | poly(oxy-1,2-ethanediyl),alpha-hexyl-omega-hydroxy | | 0.1 | annual | | | | | |
| 9003-13-8 | polyalkylene glycol monobutyl ether/ butoxypolyprop | | 160 | annual | | | | | |
| 68003-28-1 | polyamide | | 0.1 | annual | | | | | |
| 1336-36-3 | polychlorinated biphenyls | 8 | | | | | 0.002 | 0.02 | annual |
| - -0 | polycyclic aromatic hydrocarbons (pahs) | 5 | | | | | | | annual |
| 26062-79-3 | polydimethyl diallyl ammonium chloride | | 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 products with c18-un | | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | | | |
| 57-83-0 | progesterone | | 0.1 | annual | | | | | |
| 3986-89-8 | progesterone 4 | | 0.1 | annual | | | | | |
| 98516-30-4 | propanol, 1(or 2) ethoxy, acetate isoparaffinic petrole | | 0.1 | annual | | | | | |
| 123-38-6 | propionaldehyde | | 8 | 24 hr | | | | | |
| 79-09-4 | propionic acid | | 300 | 8 hr | | | | | |
| 106-94-5 | propyl bromide | | 2.5 | 24 hr | | | 1.1 | 11 | 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 | | | 0.2 | 2 | annual |
| 57-55-6 | propylene glycol | | 6000 | annual | | | | | |
| 19089-47-5 | propylene glycol monoethyl ether (alpha) | | 23 | annual | | | | | |
| 1569-02-4 | propylene glycol monoethyl ether (beta) | | 240 | annual | | | | | |
| 52125-53-8 | propylene glycol monoethyl ether (mixture) | | 23 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 acetate | | 3000 | 24 hr | | | | | |
| 41593-38-8 | propylene glycol monophenyl ether | | 0.1 | annual | | | | | |
| 5131-66-8 | propylene glycol n-butyl ether (alpha isomer) | 23 | 77 | annual | | | | | |
| 15821-83-7 | propylene glycol n-butyl ether (beta isomer) | 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 (mixed isomers) | 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-bis(4-chloropheny | | 0.1 | annual | | | | | |
| 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-dewaxed | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | | | |
| 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 polydimethylsilox | | 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 | | | | | |
| 7631-95-0 | sodium molybdate | | 5 | 8 hr | | | | | |
| 12401-86-4 | sodium monoxide | | 0.1 | annual | | | | | |
| 7632-00-0 | sodium nitrite | | 10 | annual | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|-------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 & lv 820 | | 0.1 | annual | | | | | |
| 8005-02-5 | solvent black | | 0.1 | annual | | | | | |
| 64742-96-7 | solvent naphtha (petroleum) heavy aliphatic | | 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 paraffinic distillate | 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|----------------------------------|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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 | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 127-18-4 | tetrachloroethylene | | 40 | annual | 1400 | 24 hr | 4 | 40 | annual |
| 10469-09-7 | tetrachloropicolinic acid | | 21 | annual | | | | | |
| 116-14-3 | tetrafluoroethylene | | | | | | 0.4 | 4 | annual |
| 109-99-9 | tetrahydrofuran | | 8000 | 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 | tetramethylchlorovinylsiloxane | | 0.1 | annual | | | | | |
| 3277-26-7 | tetramethyldihydrogendisiloxane | | 120 | annual | | | | | |
| 7691-02-3 | tetramethyldivinylsiloxane | | 30 | annual | | | | | |
| 2627-95-4 | tetramethyldivinylsiloxane | | 16 | annual | | | | | |
| 75-76-3 | tetramethylsilane | | 1300 | annual | | | | | |
| 509-14-8 | tetranitromethane | | 0.4 | 8 hr | | | 0.000066 | 0.00066 | annual |
| 3982-82-9 | tetraphenyldimethyl-2-dimethyltrisiloxane | | 0.1 | annual | | | | | |
| 3390-61-2 | tetraphenyldimethyl-2-phenylmethyltrisiloxane | | 0.1 | annual | | | | | |
| 807-28-3 | tetraphenyldimethyltrisiloxane | | 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 | 13 | 0.07 | annual | 0.4 | 8 hr | 0.03 | 0.3 | annual |
| 8001-35-2 | toxaphene | | | | | | 0.003 | 0.03 | annual |

| CAS No. | Chemical | note | 1° ITSL (µg/m ³) | ITSL Avg Time | 2° ITSL (µg/m ³) | ITSL Avg Time | IRSL (µg/m ³) | SRSL (µg/m ³) | IRSL Avg Time |
|-------------|---|------|---------------------------------|------------------|---------------------------------|------------------|------------------------------|------------------------------|------------------|
| 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 ether | | 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 dimethoxysilane | | 100 | annual | | | | | |
| 130014-38-9 | trifluoropropylsilsesquioxane, dimethylhydrogensilylo | | 0.1 | annual | | | | | |
| 592-09-6 | trifluoropropyltrichlorosilane | | 0.1 | annual | | | | | |
| 126-71-6 | triisobutyl phosphate | | 22 | 8 hr | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m³) | ITSL Avg Time | 2° ITSL (µg/m³) | ITSL Avg Time | IRSL (µg/m³) | SRSL (µg/m³) | IRSL Avg Time |
|------------|---|------|--------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|
| 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, dowanol 62b | | 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-pentanedionate) | | 0.1 | annual | | | | | |
| 1314-62-1 | vanadium pentoxide | | 0.5 | 1 hr | | | | | |
| 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 | | | | | |

| CAS No. | Chemical | note | 1° ITSL (µg/m ³) | ITSL Avg Time | 2° ITSL (µg/m ³) | ITSL Avg Time | IRSL (µg/m ³) | SRSL (µg/m ³) | IRSL Avg Time |
|-----------|--|------|---------------------------------|------------------|---------------------------------|------------------|------------------------------|------------------------------|------------------|
| 872-36-6 | vinylene carbonate | | 0.1 | annual | | | | | |
| 75-35-4 | vinylidene chloride (1,1-dichloroethylene) | | 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

- 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 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/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 The former ITSL of 0.3 µg/m³ (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/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 $\mu\text{g}/\text{m}^3$ (annual average).
- 25 The combined ambient impact of all chemicals with footnote #25 cannot exceed the ITSL of 5600 $\mu\text{g}/\text{m}^3$ (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 particulate 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 $\mu\text{g}/\text{m}^3$ 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 $\mu\text{g}/\text{m}^3$ (8-hour averaging time).

| ITSL/IRSL Field Descriptions | |
|-------------------------------------|--|
| CAS Number: | Chemical Abstracts Service number |
| Chemical Name: | Name of the chemical |
| Notes: | Special conditions which may apply to how screening levels are determined for specific chemicals. If a number appears in this column, see the bottom of the search results page for a description of what the number indicates. |
| Status: | Limits may be either Interim or Final |
| ITSL (ug/m3): | Initial Threshold Screening Level - A concentration of toxic air contaminant in the ambient air which is used to evaluate noncarcinogenic health effects from a proposed new or modified process and which is calculated, for regulatory purposes, according to the procedure in R 336.1229(2). |
| Averaging Time: | Averaging period for the Initial Threshold Screening Level |
| Second ITSL (ug/m3): | Second Initial Threshold Screening Level |
| Second ITSL Avg Time: | Averaging period for the Second Initial Threshold Screening Level |
| IRSL (ug/m3): | Initial Risk Screening Level - the concentration of a possible, probable, or known human carcinogen in ambient air which has been calculated for regulatory purposes, according to the risk assessment procedures in R 336.1229(1), to produce an estimated upper-bound lifetime cancer risk of 1 in 1,000,000 |
| SRSL (ug/m3): | Secondary Risk Screening Level - the concentration of a possible, probable, or known human carcinogen in ambient air which has been calculated for regulatory purposes, according to the risk assessment procedures in R 336.1229(1), to produce an estimated upper-bound lifetime cancer risk of 1 in 100,000 |
| Carc Avg Time: | Averaging time period for the Initial Risk Screening Level and Secondary Risk Screening Level |