(Unofficial) List of All 674 TAPs in WAC 173-460

This represents a complete list of the information in all the tables in WAC 173-460-150 and -160 (last amended 940114) consolidated into one table.

- The nomenclature has been reformated to facilitate automatic alphabetizing
- Some typos have been fixed, and some editorial changes made.
- None of the ASILs have been altered.

Table I: 147 Class A TPAs (WAC 173-460-150)
Table II: 61 Class A TAPs with ASILs (WAC 173-460-150)
Table III: 15 Class A TAPs with special ASILs (WAC 173-460-150)
Table B: 527 Class B TAPs and ASILs (WAC 173-460-160)

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
0.45	Acetaldehyde [75-07-0]	✓	✓			annual	IUR
	Acetamide [60-35-5]				✓	24-hr	NoASIL
83	Acetic acid [64-19-7]				✓	24-hr	TLV91-92or87-88, either
67	Acetic anhydride [108-24-7]				✓	24-hr	TLV87-88
5900	Acetone [67-64-1]				✓	24-hr	TLV91-92or87-88, either
220	Acetonitrile [75-05-8]				✓	24-hr	TLV91-92
	Acetophenone [98-86-2]				✓	24-hr	NoASIL
	2- Acetylaminofluorene [53-96-3]	✓				T1only	NoASIL
47	Acetylene tetrabromide [79-27-6]				✓	24-hr	TLV91-92
0.02	Acrolein [107-02-8]				✓	24-hr	IRfC
0.00077	Acrylamide [79-06-1]	✓	✓			annual	IUR
0.3	Acrylic acid [79-10-7]				✓	24-hr	old IRfC?
0.015	Acrylonitrile [107-13-1]	✓	✓			annual	IUR
0.0002	Aldrin [309-00-2]	✓	✓			annual	IUR
17	Allyl alcohol [107-18-6]				✓	24-hr	TLV87-88
1	Allyl chloride [107-05-1]				✓	24-hr	IRfC
77	Allyl glycidyl ether [106-92-3]				✓	24-hr	TLV91-92
40	Allyl propyl disulfide [2179-59-1]				✓	24-hr	TLV91-92or87-88, either
6.7	Aluminum [C7429-90-5] {as Al alkyls}				✓	24-hr	TLV91-92or87-88, either
33	Aluminum [7429-90-5] {as Al metal dust}				✓	24-hr	TLV91-92or87-88, either
17	Aluminum [C7429-90-5] {as Al welding fumes}				✓	24-hr	TLV91-92or87-88, either
6.7	Aluminum [C7429-90-5] {as Al soluble salts}				✓	24-hr	TLV91-92or87-88, either
17	Aluminum [C7429-90-5] {as Al pyro powders}				✓	24-hr	TLV91-92or87-88, either
0.0013	primary Aluminum smelter uncontrolled roof vent PAH emissions [no #] {per WAC 173-460-050(4)(d)}	✓		✓		annual	Source Specific Study
	2- Aminoanthraquinone [117-79-3]	✓				T1only	NoASIL
	o- Aminoazotoluene [97-56-3]	✓				T1only	NoASIL
	4- Aminodiphenyl [92-67-1]	✓				T1only	NoASIL
6.3	2- Aminopyridine [504-29-0]				✓	24-hr	TLV91-92
0.06	Amitrole [61-82-5]	✓		✓		24-hr	notIRISorTLV (~TLVeither/10)
100	Ammonia [7664-41-7]				✓	24-hr	IRfC
33	Ammonium chloride [12125-02-9] {fume}				✓	24-hr	TLV91-92or87-88, either
0.33	Ammonium perfluorooctanoate [3825-26-1]				✓	24-hr	TLV91-92or87-88, either
33	Ammonium sulfamate [7773-06-0]				✓	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
1800	n- Amyl acetate [628-63-7]				✓	24-hr	TLV91-92or87-88, either
2200	sec- Amyl acetate [626-38-0]				✓	24-hr	TLV91-92or87-88, either
6.3	Aniline [62-53-3]	✓	✓			annual	notIRISorTLV
1	Aniline [62-53-3] {& homologues}				✓	24-hr	IRfC, Analine
1.7	Anisidine [29191-52-4] {o-, p- isomers}				✓	24-hr	TLV91-92or87-88, either
1.7	o- Anisidine [90-04-0]	✓		✓		24-hr	TLV91-92or87-88, either
1.7	Antimony [C7440-36-0] {& compounds, as Sb}				✓	24-hr	TLV91-92or87-88, either
1.7	Antimony trioxide [1309-64-4] {as Sb}				✓	24-hr	TLV91-92or87-88, either
1	ANTU [86-88-4]				✓	24-hr	TLV91-92or87-88, either
0.00023	Arsenic [7440-38-2] {& inorganic arsenic compounds}	✓	✓			annual	IUR
0.53	Arsine [7784-42-1]				✓	24-hr	TLV91-92
0.0000044	Asbestos [1332-21-4] {fibers/ml}	✓	✓			annual	IUR
17	Asphalt (petroleum) fumes [8052-42-4]				✓	24-hr	TLV91-92or87-88, either
17	Atrazine [1912-24-9]				✓	24-hr	TLV91-92or87-88, either
	Auramine [2465-27-2] {technical grade}	✓				T1only	NoASIL
0.67	Azinphos-methyl [86-50-0]				✓	24-hr	TLV91-92
1.7	Barium [C7440-39-3] {soluble compounds Ba}				✓	24-hr	TLV91-92or87-88, either
33	Benomyl [17804-35-2]				✓	24-hr	TLV91-92or87-88, either
0.12	Benzene [71-43-2]	✓	✓			annual	IUR
0.000015	Benzidine [92-87-5] {& its salts}	✓	✓			annual	IUR, Benzidine
	Benzo(a)anthracene [56-55-3]	✓				T1only	NoASIL
0.00048	Benzo(a)pyrene [50-32-8]	✓	✓			annual	notIRISorTLV
	Benzo(b)fluoranthene [205-99-2]	✓				T1only	NoASIL
	Benzo(j)fluoranthene [205-82-3]	✓				T1only	NoASIL
	Benzo(k)fluoranthene [207-08-9]	✓				T1only	NoASIL
	Benzotrichloride [98-07-7]				✓	24-hr	NoASIL
17	Benzoyl Peroxide [94-36-0]				✓	24-hr	TLV91-92or87-88, either
17	Benzyl chloride [100-44-7]				✓	24-hr	TLV91-92or87-88, either
	Benzyl violet 4b [1694-09-3]	✓				T1only	NoASIL
0.00042	Beryllium [7440-41-7] {& compounds}	✓	✓			annual	IUR
4.3	Biphenyl [92-52-4]				✓	24-hr	TLV91-92
0.003	Bis(2-chloroethyl)ether [111-44-4]	✓	✓			annual	IUR
2.5	Bis(2-ethylhexyl)phthalate [117-81-7]	✓	✓			annual	notIRISorTLV
0.000016	Bis(chloromethyl)ether [542-88-1]	✓	✓			annual	IUR
33	Bismuth telluride [1304-82-1]				✓	24-hr	TLV91-92or87-88, either
17	Bismuth telluride [1304-82-1] {Se-doped}				✓	24-hr	TLV91-92or87-88, either
17	Borates [C1303-96-4] {decahydrate}				✓	24-hr	TLV91-92or87-88, either
3.3	Borates [C1303-96-4] {anhydrous}				✓	24-hr	TLV91-92or87-88, either
3.3	Borates [C1303-96-4] {pentahydrate}				✓	24-hr	TLV91-92or87-88, either
33	Boron oxide [1303-86-2]				✓	24-hr	TLV91-92or87-88, either
33	Boron tribromide [10294-33-4]				✓	24-hr	TLV91-92
9.3	Boron trifluoride [76737-07-2]				✓	24-hr	TLV91-92or87-88, either
33	Bromacil [314-40-9]				✓	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
2.2	Bromine [7726-95-6]	☐	☐	☐	☑	24-hr	TLV91-92
2.4	Bromine pentafluoride [7789-30-2]	☐	☐	☐	☑	24-hr	TLV91-92
0.91	Bromoform [75-25-2]	☑	☑	☐	☐	annual	IUR
0.0036	1,3- Butadiene [106-99-0]	☑	☑	☐	☐	annual	IUR
6300	Butane [106-97-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
400	2- Butoxyethanol [111-76-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
2400	n- Butyl acetate [123-86-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3200	sec- Butyl acetate [105-46-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3200	tert- Butyl acetate [540-88-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
170	Butyl acrylate [141-32-2]	☐	☐	☐	☑	24-hr	TLV91-92
500	n- Butyl alcohol [71-36-3]	☐	☐	☐	☑	24-hr	TLV87-88
1000	sec- Butyl alcohol [78-92-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1000	tert- Butyl alcohol [75-65-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	tert- Butyl chromate [1189-85-1] {as CrO3}	☐	☐	☐	☑	24-hr	TLV91-92
440	n- Butyl glycidyl ether [2426-08-6]	☐	☐	☐	☑	24-hr	TLV91-92
83	n- Butyl lactate [138-22-7]	☐	☐	☐	☑	24-hr	TLV87-88
6	n- Butyl mercaptan [109-79-5]	☐	☐	☐	☑	24-hr	TLV91-92
50	n- Butylamine [109-73-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
100	o-sec- Butylphenol [89-72-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
200	p-tert- Butyltoluene [98-51-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	B- Butyrolactone [3068-88-0]	☑	☐	☐	☐	T1only	NoASIL
0.00056	Cadmium [7440-43-9] {& compounds}	☑	☑	☐	☐	annual	IUR, Cadmium
1.7	Calcium cyanamide [156-62-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Calcium hydroxide [1305-62-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
6.7	Calcium oxide [1305-78-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
40	Camphor [76-22-2] {synthetic}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
67	Caprolactam [105-60-2] {vapor}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Caprolactam [105-60-2] {dust}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Captafol [2425-06-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Captan [133-06-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Carbaryl [63-25-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Carbofuran [1563-66-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
12	Carbon black [1333-86-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
100	Carbon disulfide [75-15-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
4.7	Carbon tetrabromide [558-13-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.067	Carbon tetrachloride [56-23-5]	☑	☑	☐	☐	annual	IUR
18	Carbonyl fluoride [353-50-4]	☐	☐	☐	☑	24-hr	TLV91-92
	Carbonyl sulfide [463-58-1]	☐	☐	☐	☑	24-hr	NoASIL
77	Catechol [120-80-9]	☐	☐	☐	☑	24-hr	TLV91-92
6.7	Cesium hydroxide [21351-79-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	Chloramben [133-90-4]	☐	☐	☐	☑	24-hr	NoASIL
0.0027	Chlordane [57-74-9]	☑	☑	☐	☐	annual	notIRISorTLV
1.7	Chlorinated diphenyl oxide [55720-99-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
5	Chlorine [7782-50-5]	☐	☐	☐	☑	24-hr	TLV91-92

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
0.2	Chlorine dioxide [10049-04-4]	☐	☐	☐	☑	24-hr	IRfC
1.3	Chlorine trifluoride [7790-91-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
33	1- Chloro-1-nitropropane [600-25-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
11	Chloroacetaldehyde [107-20-0]	☐	☐	☐	☑	24-hr	TLV91-92
	Chloroacetic acid [79-11-8]	☐	☐	☐	☑	24-hr	NoASIL
1.1	a- Chloroacetophenone [532-27-4]	☐	☐	☐	☑	24-hr	TLV91-92
0.67	Chloroacetyl chloride [79-04-9]	☐	☐	☐	☑	24-hr	TLV87-88
1.3	o- Chlorobenylidene malonitrile [2698-41-1]	☐	☐	☐	☑	24-hr	TLV91-92
150	Chlorobenzene [108-90-7]	☐	☐	☐	☑	24-hr	TLV91-92
0.2	Chlorobenzilate [510-15-6]	☑	☑	☐	☐	annual	notIRISorTLV
3500	Chlorobromomethane [74-97-5]	☐	☐	☐	☑	24-hr	TLV91-92
12000	Chlorodifluoromethane [75-45-6]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.043	Chloroform [67-66-3]	☑	☑	☐	☐	annual	IUR
	Chloromethyl methyl ether [107-30-2] {technical-grade}	☑	☐	☐	☐	T1only	NoASIL
21000	Chloropentafluoroethane [76-15-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.18	Chlorophenols [108-43-0]	☑	☑	☐	☐	annual	notIRISorTLV
2.2	Chloropicrin [76-06-2]	☐	☐	☐	☑	24-hr	TLV91-92
120	Chloroprene [126-99-8]	☑	☐	☑	☐	24-hr	TLV91-92or87-88, either
940	o- Chlorostyrene [2039-87-4]	☐	☐	☐	☑	24-hr	TLV91-92
860	o- Chlorotoluene [95-49-8]	☐	☐	☐	☑	24-hr	TLV91-92
0.67	Chlorpyrifos [2921-88-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.000083	Chromium [7440-47-3] {hexavalent metal and compounds}	☑	☑	☐	☐	annual	IUR, Cr(IV)
1.7	Chromium (II) [C7440-47-3] {compounds, as Cr}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Chromium (III) [C7440-47-3] {compounds, Cr}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Chromium, metal [7440-47-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.53	Chromyl chloride [14977-61-8]	☐	☐	☐	☑	24-hr	TLV91-92
33	Clopidol [2971-90-6]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.17	Cobalt [7440-48-4] {metal dust and fume, as Co}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Cobalt carbonyl [10210-68-1] {as Co}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Cobalt hydrocarbonyl [16842-03-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.0016	Coke oven emissions [no #]	☑	☑	☐	☐	annual	IUR
0.67	Copper [7440-50-8] {fume}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Copper [7440-50-8] {dusts and mists, as Cu}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.67	Cotton dust [no #] {raw}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	Creosote [8001-58-9]	☑	☐	☐	☐	T1only	NoASIL
73	Cresol [1319-77-3] {all isomers}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
20	Crotonaldehyde [4170-30-3]	☐	☐	☐	☑	24-hr	TLV87-88
17	Crufomate [299-86-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
820	Cumene [98-82-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	Cupferron [135-20-6]	☑	☐	☐	☐	T1only	NoASIL
6.7	Cyanamide [420-04-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Cyanides [51-12-5] {as CN}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
67	Cyanogen [460-19-5]	☐	☐	☐	☑	24-hr	TLV87-88

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
2.5	Cyanogen chloride [506-77-4]				✓	24-hr	TLV91-92
3400	Cyclohexane [110-82-7]				✓	24-hr	TLV91-92
690	Cyclohexanol [108-93-0]				✓	24-hr	TLV91-92
330	Cyclohexanone [108-94-1]				✓	24-hr	TLV87-88
3400	Cyclohexene [110-83-8]				✓	24-hr	TLV91-92or87-88, either
140	Cyclohexylamine [108-91-8]				✓	24-hr	TLV91-92
5	Cyclonite [121-82-4]				✓	24-hr	TLV91-92or87-88, either
680	Cyclopentadiene [542-92-7]				✓	24-hr	TLV91-92
5700	Cyclopentane [287-92-3]				✓	24-hr	TLV91-92or87-88, either
17	Cyhexatin [13121-70-5]				✓	24-hr	TLV91-92or87-88, either
33	2,4- D and esters [94-75-7]	✓		✓		24-hr	TLV91-92or87-88, either
0.1	DDE [3547-04-4]	✓	✓			annual	notIRISorTLV
0.01	DDT [50-29-3]	✓	✓			annual	old IUR?
0.83	Decaborane [17702-41-9]				✓	24-hr	TLV91-92
0.37	Demeton [8065-48-3]				✓	24-hr	TLV91-92
790	Diacetone alcohol [123-42-2]				✓	24-hr	TLV91-92
	N,N- Diacetylbenzidine [613-35-4]	✓				T1only	NoASIL
	4,4'- Diaminodiphenyl ether [101-80-4]	✓				T1only	NoASIL
0.33	Diazinon [333-41-5]				✓	24-hr	TLV91-92or87-88, either
1.1	Diazomethane [334-88-3]				✓	24-hr	TLV91-92
	Dibenz(a,h)acridine [226-36-8]	✓				T1only	NoASIL
	Dibenz(a,h)anthracene [53-70-3]	✓				T1only	NoASIL
	Dibenz(a,j)acridine [224-42-0]	✓				T1only	NoASIL
	Dibenzo(a,e)pyrene [192-65-4]	✓				T1only	NoASIL
	Dibenzo(a,h)pyrene [189-64-0]	✓				T1only	NoASIL
	Dibenzo(a,l)pyrene [191-30-0]	✓				T1only	NoASIL
	Dibenzofurans [132-64-9]	✓				T1only	NoASIL
	1,2,7,8- Dibenzopyrene [189-55-9]	✓				T1only	NoASIL
0.37	Diborane [19287-45-7]				✓	24-hr	TLV91-92
0.2	1,2- Dibromo-3-chloropropane [96-12-8]				✓	24-hr	IRfC
29	Dibutyl phosphate [107-66-4]				✓	24-hr	TLV91-92
17	Dibutyl phthalate [84-74-2]				✓	24-hr	TLV91-92or87-88, either
47	2-N- Dibutylaminoethanol [102-81-8]				✓	24-hr	TLV91-92or87-88, either
40	1,1- Dichloro-1-nitroethane [594-72-9]				✓	24-hr	TLV91-92
0.00038	1,4- Dichloro-2-butene [764-41-0]	✓	✓			annual	notIRISorTLV
	3,3'- Dichloro-4,4'-diaminodiphenyl ether [28434-86-8]	✓				T1only	NoASIL
0.67	1,3- Dichloro-5,5-Dimethyl hydantoin [118-52-5]				✓	24-hr	TLV91-92or87-88, either
1.3	Dichloroacetylene [7572-29-4]				✓	24-hr	TLV91-92or87-88, either
1.5	1,4- Dichlorobenzene [106-46-7]	✓	✓			annual	notIRISorTLV (=TLVeither/1000)(p-)
1000	o- Dichlorobenzene [95-50-1]				✓	24-hr	TLV91-92or87-88, either
0.077	3,3'- Dichlorobenzidene [91-94-1]	✓	✓			annual	notIRISorTLV
16000	Dichlorodifluoromethane [75-71-8]				✓	24-hr	TLV91-92or87-88, either
2700	1,1- Dichloroethane [75-34-3]				✓	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
0.038	1,2- Dichloroethane [107-06-2]	✔	✔			annual	IUR
2600	1,2- Dichloroethylene [540-59-0]				✔	24-hr	TLV91-92or87-88, either
130	Dichlorofluoromethane [75-43-4]				✔	24-hr	TLV87-88
0.56	Dichloromethane [75-09-2]	✔	✔			annual	old IUR?
	Dichlorophenylarsine [696-28-6] {arsenic group}	✔				T1only	NoASIL
4	1,2- Dichloropropane [78-87-5]	✔		✔		24-hr	IRfC
20	Dichloropropene [542-75-6]				✔	24-hr	IRfC
19	2,2- Dichloropropionic acid [75-99-0]				✔	24-hr	TLV91-92
23000	Dichlorotetrafluoroethane [76-14-2]				✔	24-hr	TLV91-92or87-88, either
3.3	Dichlorvos [62-73-7]				✔	24-hr	TLV87-88
0.83	Dicrotophos [141-66-2]				✔	24-hr	TLV91-92or87-88, either
100	Dicyclopentadiene [77-73-6]				✔	24-hr	TLV87-88
33	Dicyclopentadienyl iron [102-54-5]				✔	24-hr	TLV91-92or87-88, either
0.00022	Dieldrin [60-57-1]	✔	✔			annual	IUR
43	Diethanolamine [111-42-2]				✔	24-hr	TLV91-92
2300	Diethyl ketone [96-22-0]				✔	24-hr	TLV91-92or87-88, either
17	Diethyl phthalate [84-66-2]				✔	24-hr	TLV91-92or87-88, either
	Diethyl sulfate [64-67-5]				✔	24-hr	NoASIL
100	Diethylamine [109-89-7]				✔	24-hr	TLV91-92or87-88, either
170	Diethylaminoethanol [100-37-8]				✔	24-hr	TLV87-88
14	Diethylene triamine [111-40-0]				✔	24-hr	TLV91-92
	1,2- Diethylhydrazine [1615-80-1]	✔				T1only	NoASIL
2900	Difluorodibromomethane [75-61-6]				✔	24-hr	TLV91-92or87-88, either
1.7	Diglycidyl ether [2238-07-5]				✔	24-hr	TLV87-88
	Diglycidyl resorcinol ether [101-90-6]	✔				T1only	NoASIL
480	Diisobutyl ketone [108-83-8]				✔	24-hr	TLV91-92
67	Diisopropylamine [108-18-9]				✔	24-hr	TLV87-88
	3,3'- Dimethoxybenzidine [119-90-4]	✔				T1only	NoASIL
120	Dimethyl acetamide [127-19-5]				✔	24-hr	TLV91-92or87-88, either
	Dimethyl aminoazobenzene [60-11-7]				✔	24-hr	NoASIL
	Dimethyl carbamoyl chloride [79-44-7]				✔	24-hr	NoASIL
1.7	Dimethyl sulfate [77-78-1]	✔		✔		24-hr	TLV91-92or87-88, either
60	Dimethylamine [124-40-3]				✔	24-hr	TLV91-92or87-88, either
	Trans-2((Dimethylamino)methylimino)-5-(2-(5-nitro-2-furyl) vinyl-1,3,4-oxadiazole [55738-54-0]	✔				T1only	NoASIL
83	Dimethylaniline [121-69-7]				✔	24-hr	TLV91-92or87-88, either
0.0038	3,3- Dimethylbenzidine [119-93-7]	✔	✔			annual	notIRISorTLV
30	Dimethylformamide [68-12-2]				✔	24-hr	IRfC
4	1,1- Dimethylhydrazine [57-14-7]				✔	24-hr	TLV91-92
4	1,2- Dimethylhydrazine [540-73-8]	✔		✔		24-hr	TLV91-92, 1,1-
17	Dimethylphthalate [131-11-3]				✔	24-hr	TLV91-92or87-88, either
17	Dinitolmide [148-01-6]				✔	24-hr	TLV91-92or87-88, either
3.3	Dinitrobenzene [528-29-0] {all isomers}				✔	24-hr	TLV91-92or87-88, either
0.67	Dinitro-o-cresol [534-52-1]				✔	24-hr	TLV91-92

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
	2,4- Dinitrophenol [51-28-5]	☐	☐	☐	☑	24-hr	NoASIL
5	2,4- Dinitrotoluene [121-14-2]	☐	☐	☐	☑	24-hr	TLVeither, Dinitrotoluene
0.032	1,4- Dioxane [123-91-1]	☑	☑	☐	☐	annual	notIRISorTLV
0.67	Dioxathion [78-34-2]	☐	☐	☐	☑	24-hr	TLV91-92
	Dioxins and furans [no #] {per WAC 173-460-050(4)(b)}	☑	☐	☐	☐	T1only	NoASIL
33	Diphenylamine [122-39-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.0045	1,2- Diphenylhydrazine [122-66-7]	☑	☑	☐	☐	annual	IUR
780	Dipropyl ketone [123-19-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
2000	Dipropylene glycol methyl ether [34590-94-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Diquat [85-00-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
6.7	Disulfiram [97-77-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Disulfuton [298-04-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
33	2,6- Ditert. butyl-p-cresol [128-37-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
33	Diuron [330-54-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
180	Divinyl benzene [1321-74-0]	☐	☐	☐	☑	24-hr	TLV91-92
0.33	Endosulfan [115-29-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Endrin [72-20-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1900	Enflurane [13838-16-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.83	Epichlorohydrin [106-89-8]	☑	☑	☐	☐	annual	IUR
1.7	EPN [2104-64-5]	☐	☐	☐	☑	24-hr	TLV91-92
20	1,2- Epoxybutane [106-88-7]	☐	☐	☐	☑	24-hr	IRfC
25	Ethanolamine [141-43-5]	☐	☐	☐	☑	24-hr	TLV91-92
1.3	Ethion [563-12-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
200	2- Ethoxyethanol [110-80-5]	☐	☐	☐	☑	24-hr	IRfC
90	2- Ethoxyethyl acetate [111-15-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
4800	Ethyl acetate [141-78-6]	☐	☐	☐	☑	24-hr	TLV91-92
66	Ethyl acrylate [140-88-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
6300	Ethyl alcohol [64-17-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
440	Ethyl amyl ketone [541-85-5]	☐	☐	☐	☑	24-hr	TLV91-92
1000	Ethyl benzene [100-41-4]	☐	☐	☐	☑	24-hr	IRfC
3000	Ethyl bromide [74-96-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
780	Ethyl butyl ketone [106-35-4]	☐	☐	☐	☑	24-hr	TLV91-92
	Ethyl carbamate [51-79-5]	☐	☐	☐	☑	24-hr	NoASIL
10000	Ethyl chloride [75-00-3]	☐	☐	☐	☑	24-hr	IRfC
4000	Ethyl ether [60-29-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1000	Ethyl formate [109-94-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
4.3	Ethyl mercaptan [75-08-1]	☐	☐	☐	☑	24-hr	TLV91-92
280	Ethyl silicate [78-10-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
60	Ethylamine [75-04-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
11	Ethylene chlorohydrin [107-07-3]	☐	☐	☐	☑	24-hr	TLV91-92
83	Ethylene diamine [107-15-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.0045	Ethylene dibromide [106-93-4]	☑	☑	☐	☐	annual	IUR
420	Ethylene glycol [107-21-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either

ASIL ug/m3		TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
1		Ethylene glycol dinitrate [628-96-6]				✓	24-hr	TLV91-92or87-88, either
0.01		Ethylene oxide [75-21-8]	✓	✓			annual	notIRISorTLV
1		Ethylene thiourea [96-45-7]	✓	✓			annual	notIRISorTLV
2.9		Ethylenimine [151-56-4]				✓	24-hr	TLV91-92
83		Ethylidene norbornene [16219-75-3]				✓	24-hr	TLV91-92or87-88, either
77	N-	Ethylmorpholine [100-74-3]				✓	24-hr	TLV87-88
0.33		Fenamiphos [22224-92-6]				✓	24-hr	TLV91-92or87-88, either
0.33		Fensulfothion [115-90-2]				✓	24-hr	TLV91-92or87-88, either
0.67		Fenthion [55-38-9]				✓	24-hr	TLV91-92or87-88, either
33		Ferbam [14484-64-1]				✓	24-hr	TLV91-92or87-88, either
3.3		Ferrovanadium dust [12604-58-9]				✓	24-hr	TLV91-92or87-88, either
33		Fibrous glass dust [no #]				✓	24-hr	TLV91-92or87-88, either
33		Fine mineral fibers [no #]				✓	24-hr	TLV91-92or87-88, either
8.3		Fluorides [16984-48-8] {as F}				✓	24-hr	TLV91-92or87-88, either
5.3		Fluorine [7782-41-4]				✓	24-hr	TLV91-92
0.33		Fonofos [944-22-9]				✓	24-hr	TLV91-92or87-88, either
0.077		Formaldehyde [50-00-0]	✓	✓			annual	IUR
60		Formamide [75-12-7]				✓	24-hr	TLV91-92
31		Formic acid [64-18-6]				✓	24-hr	TLV91-92
		Furazolidone [67-45-8]	✓				T1only	NoASIL
26		Furfural [98-01-1]				✓	24-hr	TLV91-92
130		Furfuryl alcohol [98-00-1]				✓	24-hr	TLV91-92or87-88, either
		Furium [no #] {nitrofuran group}	✓				T1only	NoASIL
2.1		Germanium tetrahydride [7782-65-2]				✓	24-hr	TLV91-92
2.5		Glutaraldehyde [111-30-8]				✓	24-hr	notIRISorTLV
		Glycidaldehyde [765-34-4]	✓				T1only	NoASIL
250		Glycidol [556-52-5]				✓	24-hr	TLV91-92or87-88, either
		Glycol ethers [no #]				✓	24-hr	NoASIL
1.7		Hafnium [7440-58-6]				✓	24-hr	TLV91-92or87-88, either
1300		Halothane [151-67-7]				✓	24-hr	TLV91-92or87-88, either
0.00077		Heptachlor [76-44-8]	✓	✓			annual	IUR
5500		Heptane [142-82-5]				✓	24-hr	TLV91-92
0.0022		Hexachlorobenzene [118-74-1]	✓	✓			annual	old IUR?
0.7		Hexachlorobutadiene [87-68-3]				✓	24-hr	TLV91-92
1.7	alpha-	Hexachlorocyclohexane [319-84-6]	✓		✓		24-hr	TLVeither, Lindane(gamma-)
1.7	beta-	Hexachlorocyclohexane [319-85-7]	✓		✓		24-hr	TLVeither, Lindane(gamma-)
0.0026	gamma-	Hexachlorocyclohexane [58-89-9]	✓	✓			annual	notIRISorTLV
0.33		Hexachlorocyclopentadiene [77-47-4]				✓	24-hr	TLV87-88
32		Hexachloroethane [67-72-1]				✓	24-hr	TLV91-92
0.67		Hexachloronaphthalene [1335-87-1]				✓	24-hr	TLV91-92or87-88, either
2.3		Hexafluoroacetone [684-16-2]				✓	24-hr	TLV91-92or87-88, either
0.11	1,6-	Hexamethylene diisocyanate [822-06-0]				✓	24-hr	TLV91-92or87-88, either
		Hexamethylphosphoramide [680-31-9]	✓				T1only	NoASIL

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
5900	Hexane [no #] {other isomers}	☐	☐	☐	☑	24-hr	TLV91-92
200	n- Hexane [110-54-3]	☐	☐	☐	☑	24-hr	IRfC
67	2- Hexanone [591-78-6] {see Methyl n-butyl ketone}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
980	sec- Hexyl acetate [108-84-9]	☐	☐	☐	☑	24-hr	TLV91-92
400	Hexylene glycol [107-41-5]	☐	☐	☐	☑	24-hr	TLV91-92
0.0002	Hydrazine [302-01-2]	☑	☑	☐	☐	annual	IUR
33	Hydrogen bromide [10035-10-6]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
7	Hydrogen chloride [7647-01-0]	☐	☐	☐	☑	24-hr	old IRfC?
37	Hydrogen cyanide [74-90-8]	☐	☐	☐	☑	24-hr	TLV91-92
8.7	Hydrogen fluoride [7664-39-3] {as F}	☐	☐	☐	☑	24-hr	TLV91-92
4.7	Hydrogen peroxide [7722-84-1]	☐	☐	☐	☑	24-hr	TLV91-92
0.53	Hydrogen selenide [7783-07-5] {as Se}	☐	☐	☐	☑	24-hr	TLV91-92
0.9	Hydrogen sulfide [7783-06-4]	☐	☐	☐	☑	24-hr	old IRfC?
6.7	Hydroquinone [123-31-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
9.3	2- Hydroxypropyl acrylate [999-61-1]	☐	☐	☐	☑	24-hr	TLV91-92
160	Indene [95-13-6]	☐	☐	☐	☑	24-hr	TLV91-92
	Indeno(1,2,3-cd)pyrene [193-39-5]	☑	☐	☐	☐	T1only	NoASIL
0.33	Indium [7440-74-6] {& compounds, as In}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Iodine [7553-56-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
33	Iodoform [75-47-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Iron [7439-89-6] {salts, soluble, as Fe}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Iron oxide [1309-37-1] {fume, Fe2O3, as Fe}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.83	Iron pentacarbonyl [13463-40-6] {as Fe}	☐	☐	☐	☑	24-hr	notIRISorTLV
1700	Isoamyl acetate [123-92-2]	☐	☐	☐	☑	24-hr	TLV87-88
1200	Isoamyl alcohol [123-51-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
2400	Isobutyl acetate [110-19-0]	☐	☐	☐	☑	24-hr	TLV91-92
510	Isobutyl alcohol [78-83-1]	☐	☐	☐	☑	24-hr	TLV91-92
890	Isocytl alcohol [26952-21-6]	☐	☐	☐	☑	24-hr	TLV91-92
93	Isophorone [78-59-1]	☐	☐	☐	☑	24-hr	TLV91-92
0.15	Isophorone diisocyanate [4098-71-9]	☐	☐	☐	☑	24-hr	TLV91-92
350	Isopropoxyethanol [109-59-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3500	Isopropyl acetate [108-21-4]	☐	☐	☐	☑	24-hr	TLV91-92
3300	Isopropyl alcohol [67-63-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3500	Isopropyl ether [108-20-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
790	Isopropyl glycidyl ether [4016-14-2]	☐	☐	☐	☑	24-hr	TLV91-92
	Isopropyl oils [no #]	☑	☐	☐	☐	T1only	NoASIL
40	Isopropylamine [75-31-0]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
37	N- Isopropylaniline [768-52-5]	☐	☐	☐	☑	24-hr	TLV91-92
2.9	Ketene [463-51-4]	☐	☐	☐	☑	24-hr	TLV91-92
0.5	Lead [no #] {compounds}	☑	☐	☑	☐	24-hr	TLVeither, inorg. dusts & fumes
	Lead acetate [301-04-2]	☑	☐	☐	☐	T1only	NoASIL
0.5	Lead arsenate [3687-31-8] {as Pb3(A2O4)2}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.04	Lead chromate [7758-97-6] {as Cr}	☐	☐	☐	☑	24-hr	TLV91-92

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
	Lead phosphate [7446-27-7]	✔				T1only	NoASIL
6000	Liquified petroleum gas [68476-85-7]				✔	24-hr	TLV91-92or87-88, either
0.08	Lithium hydride [7580-67-8]				✔	24-hr	TLV91-92or87-88, either
33	Magnesium oxide fume [1309-48-4]				✔	24-hr	TLV91-92or87-88, either
33	Malathion [121-75-5]				✔	24-hr	TLV91-92or87-88, either
3.3	Maleic anhydride [108-31-6]				✔	24-hr	TLV91-92or87-88, either
3.3	Manganese [C7439-96-5] {fume}				✔	24-hr	TLV91-92or87-88, either
0.4	Manganese [C7439-96-5] {dust & compounds}				✔	24-hr	notIRISorTLV
0.33	Manganese cyclopentadienyl tricarbonyl [12079-65-1]				✔	24-hr	TLV91-92or87-88, either
0.33	Mercury [7439-97-6] {as Hg Alkyl compounds}				✔	24-hr	notIRISorTLV (=TLVeither*10)
0.17	Mercury [7439-97-6] {vapors except alkyl}				✔	24-hr	TLV91-92or87-88, either
0.33	Mercury [7439-97-6] {Aryl & inorganic compounds}				✔	24-hr	TLV91-92or87-88, either
200	Mesityl oxide [141-79-7]				✔	24-hr	TLV91-92or87-88, either
230	Methacrylic acid [79-41-4]				✔	24-hr	TLV91-92or87-88, either
9	Methacrylonitrile [126-98-7]				✔	24-hr	TLV91-92
8.3	Methomyl [16752-77-5]				✔	24-hr	TLV91-92or87-88, either
33	Methoxychlor [72-43-5]				✔	24-hr	TLV91-92or87-88, either
20	2- Methoxyethanol [109-86-4]				✔	24-hr	IRfC
80	2- Methoxyethyl acetate [110-49-6]				✔	24-hr	TLV91-92or87-88, either
17	4- Methoxyphenol [150-76-5]				✔	24-hr	TLV91-92or87-88, either
30	Methyl 2-cyanoacrylate [137-05-3]				✔	24-hr	TLV91-92
2000	Methyl acetate [79-20-9]				✔	24-hr	TLV91-92or87-88, either
5500	Methyl acetylene [74-99-7]				✔	24-hr	TLV91-92or87-88, either
5500	Methyl acetylene-propadiene mixture [59355-75-8]				✔	24-hr	TLV91-92
120	Methyl acrylate [96-33-3]				✔	24-hr	TLV91-92or87-88, either
870	Methyl alcohol [67-56-1]				✔	24-hr	TLV91-92or87-88, either
7.3	N- Methyl aniline [100-61-8]				✔	24-hr	TLV91-92
	Methyl azoxymethyl acetate [592-62-1]	✔				T1only	NoASIL
5	Methyl bromide [74-83-9]				✔	24-hr	IRfC
340	Methyl chloride [74-87-3]				✔	24-hr	TLV91-92
6400	Methyl chloroform [71-55-6]				✔	24-hr	TLV91-92
1.7	Methyl demeton [8022-00-2]				✔	24-hr	TLV91-92or87-88, either
1000	Methyl ethyl ketone [78-93-3]				✔	24-hr	IRfC
5	Methyl ethyl ketone peroxide [1338-23-4]				✔	24-hr	TLV91-92or87-88, either
820	Methyl formate [107-31-3]				✔	24-hr	TLV91-92
1.2	Methyl hydrazine [60-34-4]				✔	24-hr	TLV87-88
40	Methyl iodide [74-88-4]				✔	24-hr	TLV91-92
780	Methyl isoamyl ketone [110-12-3]				✔	24-hr	TLV91-92
350	Methyl isobutyl carbinol [108-11-2]				✔	24-hr	TLV91-92
680	Methyl isobutyl ketone [108-10-1]				✔	24-hr	TLV91-92or87-88, either
0.16	Methyl isocyanate [624-83-9]				✔	24-hr	TLV91-92
2300	Methyl isopropyl ketone [563-80-4]				✔	24-hr	TLV91-92or87-88, either
3.3	Methyl mercaptan [74-93-1]				✔	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
1400	Methyl methacrylate [80-62-6]				✓	24-hr	TLV91-92or87-88, either
780	Methyl n-amyl ketone [110-43-0]				✓	24-hr	TLV91-92or87-88, either
67	Methyl n-butyl ketone [591-78-6]				✓	24-hr	TLV91-92or87-88, either
0.67	Methyl parathion [298-00-0]				✓	24-hr	TLV91-92or87-88, either
2300	Methyl propyl ketone [107-87-9]				✓	24-hr	TLV91-92or87-88, either
20	Methyl silicate [681-84-5]				✓	24-hr	TLV91-92or87-88, either
810	a- Methyl styrene [98-83-9]				✓	24-hr	TLV91-92
500	Methyl tert-butyl ether [1634-04-4]				✓	24-hr	old IRfC?
	2- Methyl-1-nitroanthraquinone [129-15-7]	✓				T1only	NoASIL
10000	Methylal [109-87-5]				✓	24-hr	TLV91-92or87-88, either
43	Methylamine [74-89-5]				✓	24-hr	TLV91-92
	5- Methylchrysene [3697-24-3]	✓				T1only	NoASIL
5400	Methylcyclohexane [108-87-2]				✓	24-hr	TLV91-92
780	Methylcyclohexanol [25639-42-3]				✓	24-hr	TLV91-92or87-88, either
760	o- Methylcyclohexanone [583-60-8]				✓	24-hr	TLV91-92
0.67	Methylcyclopentadienyl manganese tricorbonyl [12108-13-3]				✓	24-hr	TLV91-92or87-88, either
0.18	Methylene bis (4-cyclo-hexylisocyanate) [5124-30-1]				✓	24-hr	TLV91-92
0.2	Methylene bis (phenyl isocyanate) [101-68-8]				✓	24-hr	TLV91-92
2.7	4,4- Methylene dianiline [101-77-9]	✓		✓		24-hr	TLV91-92or87-88, either
0.7	4,4'- Methylenebis(2-chloroaniline) [101-14-4]	✓		✓		24-hr	TLV91-92or87-88, either
	4,4'- Methylenebis(2-methylaniline) [838-88-0]	✓				T1only	NoASIL
	4,4- Methylenedianiline dihydrochloride [13552-44-8]	✓				T1only	NoASIL
	4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone [64091-91-4]	✓				T1only	NoASIL
17	Metribuzin [21087-64-9]				✓	24-hr	TLV91-92or87-88, either
0.33	Mevinphos [7786-34-7]				✓	24-hr	TLV87-88
	Mirex [2385-85-5]	✓				T1only	NoASIL
33	Molybdenum [7439-98-7] {insoluble compounds}				✓	24-hr	TLV91-92or87-88, either
17	Molybdenum [7439-98-7] {soluble compounds, as Mo}				✓	24-hr	TLV91-92or87-88, either
0.83	Monocrotophos [6923-22-4]				✓	24-hr	TLV91-92or87-88, either
240	Morpholine [110-91-8]				✓	24-hr	TLV91-92
	5-(Morpholinomethyl)-3-amino)-2-oxazolidinone [139-91-3]	✓				T1only	NoASIL
10	Naled [300-76-5]				✓	24-hr	TLV91-92or87-88, either
170	Naphthalene [91-20-3]				✓	24-hr	TLV91-92or87-88, either
	1- Napthylamine [134-32-7]	✓				T1only	NoASIL
0.0021	Nickel and compounds [C7440-02-0] {as nickel subsulfide or nickel refinery dust}	✓	✓			annual	notIRISorTLV
1.7	Nicotine [54-11-5]				✓	24-hr	TLV91-92or87-88, either
33	Nitrapyrin [1929-82-4]				✓	24-hr	TLV91-92or87-88, either
17	Nitric acid [7697-37-2]				✓	24-hr	TLV91-92or87-88, either
100	Nitric oxide [10102-43-9]				✓	24-hr	TLV91-92or87-88, either
	N-(4-(5- Nitro-2-furyl)-2-thiazolyl)acetamide [531-82-8]	✓				T1only	NoASIL
	5- Nitroacenaphthene [602-87-9]	✓				T1only	NoASIL

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
10	p- Nitroaniline [100-01-6]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Nitrobenzene [98-95-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	4- Nitrobiphenyl [92-93-3]	☐	☐	☐	☑	24-hr	NoASIL
2	p- Nitrochlorobenzene [100-00-5]	☐	☐	☐	☑	24-hr	TLV91-92
1000	Nitroethane [79-24-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	Nitrofen [1836-75-5]	☑	☐	☐	☐	T1only	NoASIL
	Nitrofurans [609-39-2]	☑	☐	☐	☐	T1only	NoASIL
	Nitrofurazone [59-87-0]	☑	☐	☐	☐	T1only	NoASIL
	1-(5- Nitrofurfurylidene)amino)-2-imidazolidinone [555-84-9]	☑	☐	☐	☐	T1only	NoASIL
	Nitrogen mustard N-oxide [126-85-2]	☑	☐	☐	☐	T1only	NoASIL
	Nitrogen mustard N-oxide hydrochloride [302-70-5]	☑	☐	☐	☐	T1only	NoASIL
97	Nitrogen trifluoride [7783-54-2]	☐	☐	☐	☑	24-hr	TLV91-92
1.5	Nitroglycerin [55-63-0]	☐	☐	☐	☑	24-hr	TLV91-92
830	Nitromethane [75-52-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	p- Nitrophenol [100-02-7]	☐	☐	☐	☑	24-hr	NoASIL
20	1- Nitropropane [108-03-2]	☐	☐	☐	☑	24-hr	IRfC, 2-
0.00037	2- Nitropropane [79-46-9]	☑	☑	☐	☐	annual	notIRISorTLV
0.000023	N- Nitrosodiethylamine [55-18-5]	☑	☑	☐	☐	annual	IUR
0.000071	N- Nitrosodimethylamine [62-75-9]	☑	☑	☐	☐	annual	IUR
0.00063	N- Nitroso-di-n-butylamine [924-16-3]	☑	☑	☐	☐	annual	IUR
	N- Nitrosodi-N-propylamine [621-64-7]	☑	☐	☐	☐	T1only	NoASIL
	N- Nitrosodiphenylamine [86-30-6]	☑	☐	☐	☐	T1only	NoASIL
	N- Nitrosomethylethylamine [10595-95-6]	☑	☐	☐	☐	T1only	NoASIL
	N- Nitrosomorpholine [59-89-2]	☑	☐	☐	☐	T1only	NoASIL
	N- Nitroso-N-ethylurea [759-73-9]	☑	☐	☐	☐	T1only	NoASIL
	N- Nitroso-N-methylurea [684-93-5]	☐	☐	☐	☑	24-hr	NoASIL
	N- Nitroso-N-methylurethane [615-53-2]	☑	☐	☐	☐	T1only	NoASIL
37	Nitrotoluene [88-72-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3500	Nonane [111-84-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Octachloronaphthalene [2234-13-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
4700	Octane [111-65-9]	☐	☐	☐	☑	24-hr	TLV91-92
17	Oil mist, mineral [8012-95-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
	Oil orange SS [2646-17-5]	☑	☐	☐	☐	T1only	NoASIL
0.0053	Osmium tetroxide [20816-12-0] {as Os}	☐	☐	☐	☑	24-hr	TLV91-92
3.3	Oxalic acid [144-62-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.37	Oxygen difluoride [7783-41-7]	☐	☐	☐	☑	24-hr	TLV91-92
	Panfuran S [794-93-4]	☑	☐	☐	☐	T1only	NoASIL
6.7	Parafin wax fume [8002-74-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
4.5	Paraquat [4685-14-7]	☐	☐	☐	☑	24-hr	notIRISorTLV
0.33	Parathion [56-38-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.043	Pentaborane [19624-22-7]	☐	☐	☐	☑	24-hr	TLV91-92
1.7	Pentachloronaphthalene [1321-64-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Pentachloronitrobenzene [82-68-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
0.33	Pentachlorophenol [87-86-5]	✔	✔			annual	notIRISorTLV
6000	Pentane [109-66-0]				✔	24-hr	TLV87-88
1.1	Perchloroethylene [127-18-4]	✔	✔			annual	notIRISorTLV (=TLVeither/1000)
2.5	Perchloromethyl mercaptan [594-42-3]				✔	24-hr	TLV91-92
43	Perchloryl fluoride [7616-94-6]				✔	24-hr	TLV91-92
63	Phenol [108-95-2]				✔	24-hr	TLV91-92or87-88, either
1.7	Phenothiazine [92-84-2]				✔	24-hr	TLV91-92or87-88, either
	Phenoxybenzamine hydrochloride [63-92-3]	✔				T1only	NoASIL
23	Phenyl ether [101-84-8]				✔	24-hr	TLV91-92or87-88, either
2000	Phenyl glycidyl ether [122-60-1]				✔	24-hr	notIRISorTLV (=TLVeither*100)
7.7	Phenyl mercaptan [108-98-5]				✔	24-hr	TLV91-92
	N- Phenyl-2-napthylamine [no #]	✔				T1only	NoASIL
0.33	p- Phenylenediamine [106-50-3]				✔	24-hr	TLV91-92or87-88, either
1.5	Phenylhydrazine [100-63-0]				✔	24-hr	TLV91-92
0.77	Phenylphosphine [638-21-1]				✔	24-hr	TLV91-92
0.17	Phorate [298-02-2]				✔	24-hr	TLV91-92or87-88, either
1.3	Phosgene [75-44-5]				✔	24-hr	TLV91-92or87-88, either
1.3	Phosphine [7803-51-2]				✔	24-hr	TLV87-88
3.3	Phosphoric acid [7664-38-2]				✔	24-hr	TLV91-92or87-88, either
0.33	Phosphorus [7723-14-0]				✔	24-hr	TLV91-92or87-88, either
2.1	Phosphorus oxychloride [10025-87-3]				✔	24-hr	TLV91-92
2.8	Phosphorus pentachloride [10026-13-8]				✔	24-hr	TLV91-92
3.3	Phosphorus pentasulfide [1314-80-3]				✔	24-hr	TLV91-92or87-88, either
3.7	Phosphorus trichloride [7719-12-2]				✔	24-hr	TLV91-92
20	Phthalic anhydride [85-44-9]				✔	24-hr	TLV91-92or87-88, either
17	m- Phthalodinitrile [626-17-5]				✔	24-hr	TLV91-92or87-88, either
33	Picloram [1918-02-1]				✔	24-hr	TLV91-92or87-88, either
0.33	Picric acid [88-89-1]				✔	24-hr	TLV91-92or87-88, either
0.033	Pindone [83-26-1]				✔	24-hr	notIRISorTLV (=TLVeither/10)
17	Piperazine dihydrochloride [142-64-3]				✔	24-hr	TLV91-92or87-88, either
3.3	Platinum [7440-06-4] {metal}				✔	24-hr	TLV91-92or87-88, either
0.0067	Platinum [C7440-06-4] {Soluble salts as Pt}				✔	24-hr	TLV91-92or87-88, either
0.00048	Polyaromatic hydrocarbons [no #] {per WAC 173-460-050(4)(c)}	✔		✔		annual	perWAC
0.0045	Polychlorinated biphenyls [1336-36-3]	✔	✔			annual	old IUR?
	Ponceau MX [3761-53-3]	✔				T1only	NoASIL
6.7	Potassium hydroxide [1310-58-3]				✔	24-hr	TLV91-92or87-88, either
	1,3- Propane sultone [1120-71-4]	✔				T1only	NoASIL
7.7	Propargyl alcohol [107-19-7]				✔	24-hr	TLV91-92
5	B- Propiolactone [57-57-8]				✔	24-hr	TLV91-92or87-88, either
	Propionaldehyde [123-38-6]				✔	24-hr	NoASIL
100	Propionic acid [79-09-4]				✔	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
1.7	Propoxur [114-26-1]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
2800	n- Propyl acetate [109-60-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1600	n- Propyl alcohol [71-23-8]	☐	☐	☐	☑	24-hr	TLV91-92
360	n- Propyl nitrate [627-13-4]	☐	☐	☐	☑	24-hr	TLV91-92
1.1	Propylene glycol dinitrate [6423-43-4]	☐	☐	☐	☑	24-hr	TLV91-92
2000	Propylene glycol monomethyl ether [107-98-2]	☐	☐	☐	☑	24-hr	IRfC
16	Propylene imine [75-55-8]	☐	☐	☐	☑	24-hr	TLV91-92
0.27	Propylene oxide [75-56-9]	☑	☑	☐	☐	annual	IUR
1.7	Pyrethrum [8003-34-7]	☐	☐	☐	☑	24-hr	notIRISorTLV (=TLVeither/10)
53	Pyridine [110-86-1]	☐	☐	☐	☑	24-hr	TLV91-92
	Quinoline [91-22-5]	☐	☐	☐	☑	24-hr	NoASIL
1.5	Quinone [106-51-4]	☐	☐	☐	☑	24-hr	TLV91-92
150	Resorcinol [108-46-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Rhodium [7440-16-6] {metal}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
3.3	Rhodium [C7440-16-6] {Insoluble compounds}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.033	Rhodium [C7440-16-6] {Soluble compounds}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
33	Ronnel [299-84-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Rotenone [83-79-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
5300	Rubber solvent [8030-30-6] {Naptha}	☐	☐	☐	☑	24-hr	TLV91-92
0.67	Selenium [C7782-49-2] {compounds, as Se}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.53	Selenium hexafluoride [7783-79-1] {as Se}	☐	☐	☐	☑	24-hr	TLV91-92
33	Sesone [136-78-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
22	Silicon tetrahydride [7803-62-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.33	Silver [7440-22-4] {metal}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.033	Silver [C7440-22-4] {soluble compounds, as Ag}	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1	Sodium azide [26628-22-8]	☐	☐	☐	☑	24-hr	TLV87-88
17	Sodium bisulfite [7631-90-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.17	Sodium fluoroacetate [62-74-8]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
6.7	Sodium hydroxide [1310-73-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
17	Sodium metabisulfite [7681-57-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.7	Stibine [7803-52-3]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.5	Strychnine [57-24-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1000	Styrene [100-42-5]	☐	☐	☐	☑	24-hr	IRfC
	Styrene oxide [96-9-3]	☐	☐	☐	☑	24-hr	NoASIL
0.0002	Subtilisins [1395-21-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
0.67	Sulfotep [3689-24-5]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
20000	Sulfur hexafluoride [2551-62-4]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
18	Sulfur monochloride [10025-67-9]	☐	☐	☐	☑	24-hr	TLV91-92
0.33	Sulfur pentafluoride [5714-22-7]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
1.5	Sulfur tetrafluoride [7783-60-0]	☐	☐	☐	☑	24-hr	TLV91-92
3.3	Sulfuric acid [7664-93-9]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either
67	Sulfuryl fluoride [2699-79-8]	☐	☐	☐	☑	24-hr	TLV87-88
3.3	Sulprofos [35400-43-2]	☐	☐	☐	☑	24-hr	TLV91-92or87-88, either

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
33	2-4-5- T [93-76-5]				✓	24-hr	TLV91-92or87-88, either
17	Tantalum [C1314-61-0] {metal & oxide dusts}				✓	24-hr	TLV91-92or87-88, either
0.33	Tellurium [C13494-80-9] {& compounds, as Te}				✓	24-hr	TLV91-92or87-88, either
0.33	Tellurium hexafluoride [7783-80-4] {as Te}				✓	24-hr	TLV91-92
33	Temephos [3383-96-8]				✓	24-hr	TLV91-92or87-88, either
0.16	TEPP [107-49-3]				✓	24-hr	TLV91-92
16	Terphenyls [26140-60-3]				✓	24-hr	TLV91-92
14000	1,1,2,2- Tetrachloro-1,2-difluoroethane [76-12-0]				✓	24-hr	TLV91-92or87-88, either
14000	1,1,1,2- Tetrachloro-2,2-difluoroethane [76-11-9]				✓	24-hr	TLV91-92or87-88, either
0.00000003	2,3,7,8- Tetrachlorodibenzo-p-dioxin [1746-01-6]	✓	✓			annual	EPA/625/3-89/016, 1989
23	1,1,2,2- Tetrachloroethane [79-34-5]				✓	24-hr	TLV91-92or87-88, either
6.7	Tetrachloronaphthalene [1335-88-2]				✓	24-hr	TLV91-92or87-88, either
	P(p)(a,a,a)- Tetra-chlorotoluene [no #]	✓				T1only	NoASIL
0.33	Tetraethyl lead [78-00-2] {as Pb}				✓	24-hr	TLV91-92or87-88, either
2000	Tetrahydrofuran [109-99-9]				✓	24-hr	TLV91-92or87-88, either
0.5	Tetramethyl lead [75-74-1] {as Pb}				✓	24-hr	TLV91-92or87-88, either
9.3	Tetramethyl succinonitrile [3333-52-6]				✓	24-hr	TLV91-92
27	Tetranitromethane [509-14-8]				✓	24-hr	TLV91-92or87-88, either
17	Tetrasodium pyrophosphate [7722-88-5]				✓	24-hr	TLV91-92or87-88, either
5	Tetryl [479-45-8]				✓	24-hr	TLV91-92or87-88, either
0.33	Thallium [C7440-28-0] {soluble compounds, Tl}				✓	24-hr	TLV91-92or87-88, either
33	4,4- Thiobis(6-tert, butyl-m-cresol) [96-69-5]				✓	24-hr	TLV91-92or87-88, either
	4,4'- Thiodianiline [139-65-1]	✓				T1only	NoASIL
13	Thioglycolic acid [68-11-1]				✓	24-hr	TLV91-92or87-88, either
16	Thionyl chloride [7719-09-7]				✓	24-hr	TLV91-92
3.3	Thiram [137-26-8]				✓	24-hr	TLV91-92
	Thorium dioxide [1314-20-1]	✓				T1only	NoASIL
6.7	Tin [7440-31-5] {metal}				✓	24-hr	TLV91-92or87-88, either
0.33	Tin [C7440-31-5] {Organic compounds, as Sn}				✓	24-hr	TLV91-92or87-88, either
6.7	Tin [7440-31-5] {oxide & inorganic except SnH4}				✓	24-hr	TLV91-92or87-88, either
	Titanium tetrachloride [7550-45-0]				✓	24-hr	NoASIL
400	Toluene [108-88-3]				✓	24-hr	IRfC
0.011	2,4- Toluene diamine [95-80-7]	✓	✓			annual	notIRISorTLV
0.12	2,4- Toluene diisocyanate [584-84-9]	✓		✓		24-hr	TLV91-92
29	m- Toluidine [108-44-1]				✓	24-hr	TLV91-92
0.14	o- Toluidine [95-53-4]	✓	✓			annual	notIRISorTLV
29	p- Toluidine [106-49-0]				✓	24-hr	TLV91-92
0.14	o- Toluidine hydrochloride [636-21-5]	✓	✓			annual	notIRISorTLV
0.0031	Toxaphene [8001-35-2]	✓	✓			annual	IUR
7.3	Tributyl phosphate [126-73-8]				✓	24-hr	TLV91-92
27000	1,1,2- Trichloro-1,2,2-trifluoroethane [76-13-1]				✓	24-hr	notIRISorTLV
22	Trichloroacetic acid [76-03-9]				✓	24-hr	TLV91-92
120	1,2,4- Trichlorobenzene [120-82-1]				✓	24-hr	TLV91-92
180	1,1,2- Trichloroethane [79-00-5]				✓	24-hr	TLV91-92

ASIL ug/m3	TAP name [CAS number] {modifying criteria}	Table 1	2	3	B	averaging time	ASIL source
0.59	Trichloroethylene [79-01-6]	✔	✔			annual	old IUR?
19000	Trichlorofluoromethane [75-69-4]				✔	24-hr	TLV91-92or87-88, either
17	Trichloronaphthalene [1321-65-9]				✔	24-hr	TLV91-92or87-88, either
	2,4,5- Trichlorophenol [95-95-4]				✔	24-hr	NoASIL
0.32	2,4,6- Trichlorophenol [88-06-2]	✔	✔			annual	IUR
200	1,2,3- Trichloropropane [96-18-4]				✔	24-hr	TLV91-92or87-88, either
7	Triethylamine [121-44-8]				✔	24-hr	IRfC
20000	Trifluorobromomethane [75-63-8]				✔	24-hr	TLV91-92or87-88, either
	Trifluralin [1582-09-8]				✔	24-hr	NoASIL
0.13	Trimellitic anhydride [552-30-7]				✔	24-hr	TLV91-92or87-88, either
420	Trimethyl benzene [2551-13-7]				✔	24-hr	TLV87-88
33	Trimethyl phosphite [121-45-9]				✔	24-hr	TLV91-92or87-88, either
80	Trimethylamine [75-50-3]				✔	24-hr	TLV91-92or87-88, either
	2,2,4- Trimethylpentane [540-84-1]				✔	24-hr	NoASIL
1.7	2,4,6- Trinitrotoluene [118-96-7]				✔	24-hr	TLV91-92or87-88, either
0.33	Triorthocresyl phosphate [78-30-8]				✔	24-hr	TLV91-92or87-88, either
17	Triphenyl amine [603-34-9]				✔	24-hr	TLV91-92or87-88, either
10	Triphenyl phosphate [115-86-6]				✔	24-hr	TLV91-92or87-88, either
3.3	Tungsten [C7440-33-7] {soluble compounds}				✔	24-hr	TLV91-92or87-88, either
17	Tungsten [C7440-33-7] {insoluble compounds}				✔	24-hr	TLV91-92or87-88, either
1900	Turpentine [8006-64-2]				✔	24-hr	TLV91-92or87-88, either
0.67	Uranium [C7440-61-1] {insoluble & soluble}				✔	24-hr	TLV91-92or87-88, either
590	n- Valeraldehyde [110-62-3]				✔	24-hr	TLV91-92or87-88, either
0.17	Vanadium [1314-62-1] {as V2O5}				✔	24-hr	TLV91-92or87-88, either
200	Vinyl acetate [108-05-4]				✔	24-hr	IRfC
73	Vinyl bromide [593-60-2]				✔	24-hr	TLV91-92
0.012	Vinyl chloride [75-01-4]	✔	✔			annual	notIRISorTLV
200	Vinyl cyclohexene dioxide [106-87-6]				✔	24-hr	TLV87-88
800	Vinyl toluene [25013-15-4]				✔	24-hr	TLV87-88
67	Vinylidene chloride [75-35-4]				✔	24-hr	TLV91-92or87-88, either
4600	VM & P Naphtha [8032-32-4]				✔	24-hr	TLV91-92
0.33	Warfarin [81-81-2]				✔	24-hr	TLV91-92or87-88, either
17	Welding fumes [no #]				✔	24-hr	TLV91-92or87-88, either
0.33	m- Xylene a,a'-diamine [1477-55-0]				✔	24-hr	TLV91-92or87-88, either
1500	Xylenes [1330-20-7] {m-, o-, p- isomers}				✔	24-hr	TLV87-88
8.3	Xylidine [1300-73-8] {mixed isomers}				✔	24-hr	TLV91-92
3.3	Yttrium [C7440-65-5] {metal and compounds, as Y}				✔	24-hr	TLV91-92or87-88, either
3.3	Zinc chloride [7646-85-7] {fume}				✔	24-hr	TLV91-92or87-88, either
0.033	Zinc chromates [13530-65-9] {as Cr}				✔	24-hr	TLV91-92
17	Zinc oxide [1314-13-2] {fume}				✔	24-hr	TLV91-92or87-88, either
17	Zirconium [C7440-67-7] {compounds, as Zr}				✔	24-hr	TLV91-92or87-88, either