

Chronic Ambient Air Guidelines (2019)

Chemical	CASRN	2018 AAG ppm-v	2018 AAG ug/m3	Basis
Acetaldehyde	75-07-0	2.60E-03	4.6	cancer
Acetone	67-64-1	1.30E+01	31000	noncancer
Acetonitrile	75-05-8	3.60E-02	60	noncancer
Acrolein	107-02-8	8.70E-06	0.020	noncancer
Acrylonitrile	107-13-1	6.90E-05	0.15	cancer
Allyl chloride	107-05-1	3.20E-04	1.00	noncancer
Ammonia	7664-41-7	7.20E-01	500	noncancer
Antimony trioxide	1309-64-4	1.70E-05	0.20	noncancer
Arsenic (inorganic)	7440-38-2	7.50E-07	0.0023	cancer
Barium (and soluble compounds, as Ba)	7440-39-3	8.90E-05	0.50	noncancer
Benzene	71-43-2	4.10E-04	1.3	cancer
Benzo(a)pyrene	50-32-8	1.90E-07	0.0020	noncancer
Benzyl chloride	100-44-7	3.90E-05	0.20	cancer
Beryllium	7440-41-7	1.10E-05	0.0042	cancer
Biphenyl	92-52-4	6.30E-05	0.4	noncancer
Bis(2-ethylhexyl)phthalate	117-81-7	2.60E-04	4.2	cancer
Bromodichloromethane	75-27-4	4.00E-05	0.27	cancer
Bromoform	75-25-2	8.80E-04	9.1	cancer
Butadiene, 1,3-	106-99-0	1.50E-04	0.33	cancer
Cadmium (compounds)	7440-43-9	1.20E-06	0.0056	cancer
Carbon disulfide	75-15-0	2.20E-01	700	noncancer
Carbon tetrachloride	56-23-5	2.70E-04	1.7	cancer
CFC-113	76-13-1	6.50E-01	5000	noncancer
Chlorine	7782-50-5	5.20E-05	0.15	noncancer
Chlorine dioxide	10049-04-4	7.20E-05	0.20	noncancer
Chlorobenzene	108-90-7	1.10E-02	50	noncancer
Chloroethane	75-00-3	3.80E+00	10000	noncancer
Chloroform	67-66-3	9.00E-05	0.44	cancer
Chromium (VI), mist &aerosol	18540-29-9	5.60E-08	0.00012	cancer
Chromium (VI), particulate	18540-29-9	5.60E-08	0.00012	cancer
Cobalt	7440-48-4	4.60E-07	0.0011	cancer
Cyclohexane	110-82-7	1.70E+00	6000	noncancer
Dibromoethane, 1,2-	106-93-4	2.20E-06	0.017	cancer
Dichlorobenzene, 1,2-	95-50-1	3.30E-02	200	noncancer
Dichlorobenzene, 1,4-	106-46-7	1.50E-04	0.91	cancer
Dichlorodifluoromethane	75-71-8	2.00E-02	100	noncancer
Dichloroethane, 1,1-	75-34-3	1.60E-03	6.3	cancer
Dichloroethane, 1,2-	107-06-2	9.60E-05	0.39	cancer
Dichloroethylene, 1,1-	75-35-4	5.00E-02	200	noncancer
Dichloropropane, 1,2-	78-87-5	5.80E-04	2.7	cancer
Dichloropropene, 1,3-	542-75-6	5.50E-04	2.5	cancer
Dioxane, 1,4-	123-91-1	5.60E-04	2	cancer
Dioxins & Furans (as 2,3,7,8-TCDD)	1746-01-6	2.00E-11	2.60E-07	cancer
Diphenylmethane diisocyanate (monomer & polymer)	101-68-8	5.90E-05	0.60	noncancer
Epichlorohydrin	106-89-8	2.60E-04	1.0	noncancer
Epoxypropane, 1,2-	75-56-9	1.10E-03	2.7	cancer
Ethoxyethanol, 2-	110-80-5	5.40E-02	200	noncancer
Ethyl acetate	141-78-6	1.90E-02	70	noncancer
Ethyl benzene	100-41-4	9.20E-04	4	cancer
Ethylene oxide	75-21-8	1.80E-06	0.0032	cancer
Fluorides (as F)	7782-41-4	8.40E-03	13	noncancer
Formaldehyde	50-00-0	6.30E-04	0.77	cancer
Formic acid	64-18-6	1.60E-04	0.30	noncancer
Furfural	98-01-1	1.30E-02	50	noncancer
Heptane (n-Heptane)	142-82-5	9.80E-02	400	noncancer
Hexachlorobutadiene	87-68-3	4.30E-05	0.46	cancer
Hexane (n-Hexane)	110-54-3	2.00E-01	700	noncancer

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Hexanone, 2-	591-78-6	7.30E-03	30	noncancer
Hydrazine	302-01-2	1.50E-06	0.0020	cancer
Hydrogen chloride	7647-01-0	1.40E-02	20	noncancer
Hydrogen cyanide	74-90-8	7.20E-04	0.80	noncancer
Hydrogen sulfide	7783-06-4	1.40E-03	2	noncancer
Isopropanol	67-63-0	8.10E-02	200	noncancer
Manganese	7439-96-5	2.20E-05	0.05	noncancer
Mercury (elemental)	7439-97-6	3.70E-05	0.30	noncancer
Methanol	67-56-1	1.50E+01	20000	noncancer
Methoxyethanol	109-86-4	6.40E-03	20	noncancer
Methyl bromide (bromomethane)	74-83-9	1.30E-03	5.0	noncancer
Methyl chloride	74-87-3	4.40E-02	90	noncancer
Methyl ethyl ketone	78-93-3	1.70E+00	5000	noncancer
Methyl isobutyl ketone	108-10-1	7.30E-01	3000	noncancer
Methyl methacrylate	80-62-6	1.70E-01	700	noncancer
Methylene chloride	75-09-2	1.70E-01	600	noncancer
Methyl-t-butyl ether (MTBE)	1634-04-4	1.10E-02	39	cancer
Naphthalene	91-20-3	5.50E-05	0.29	cancer
Nickel (insoluble refinery dust)	E715532	5.80E-06	0.014	noncancer
Nickel and compounds (as Ni)	7440-02-0	1.60E-05	0.039	cancer
Nickel oxide	1313-99-1	6.50E-06	0.020	noncancer
Nickel subsulfide	12035-72-2	1.40E-06	0.014	noncancer
Phenol	108-95-2	5.20E-02	200	noncancer
Propylene	115-07-1	1.70E+00	3000	noncancer
Selenium (and compounds other than hydrogen selenide)	7782-49-2	6.20E-03	20	noncancer
Styrene	100-42-5	2.30E-01	1000	noncancer
Sulfuric acid	7664-93-9	2.50E-04	1.00	noncancer
Tetrachloroethane, 1,1,2,2-	79-34-5	2.50E-05	0.17	cancer
Tetrachloroethylene	127-18-4	5.80E-03	39	cancer
Tetrahydrofuran	109-99-9	6.80E-01	2000	noncancer
Titanium tetrachloride	7550-45-0	1.30E-05	0.10	noncancer
Toluene	108-88-3	1.30E+00	5000	noncancer
Trichlorobenzene, 1,2,4-	120-82-1	2.70E-04	2.0	noncancer
Trichloroethane, 1,1,1-	71-55-6	9.20E-01	5000	noncancer
Trichloroethane, 1,1,2-	79-00-5	3.70E-05	0.20	noncancer
Trichloroethylene	79-01-6	3.70E-04	2.0	noncancer
Trichlorotrifluoroethane	76-13-1	6.50E-01	5000	noncancer
Trimethylbenzene, 1,2,4-	95-63-6	1.20E-02	60	noncancer
Trimethylbenzene, 1,3,5-	108-67-8	1.20E-02	60	noncancer
Vanadium	7440-62-2	4.80E-05	0.10	noncancer
Vinyl acetate	108-05-4	5.70E-02	200	noncancer
Vinyl bromide	593-60-2	7.10E-05	0.31	cancer
Vinyl chloride	75-01-4	4.30E-04	1.1	cancer
Xylenes	1330-20-7	2.30E-02	100	noncancer

Notes:

AAG = Ambient Air Guideline

ppm - parts per million

ug/L - microgram per liter

CASRN - Chemical Abstract System Registration Number

AAG - Ambient Air Guideline

ppm-v - parts per million volume (note concentration in ppmv = (ug/m³ x 24.4/molecular weight /1000)

ug/m³ - microgram per cubic meter