

APPENDIX C3

NONCARCINOGENS AND CARCINOGENS

APPENDIX TO CHAPTER 16

Table C3-1. Noncarcinogens

Chemical name	Inventory amount (kg)	Develop-mental	Repro-ductive	RfD (mg/kg/d)	RfD converted to water conc (mg/L)	RfC (mg/m ³)	Drinking Water Standard (mg/L)	TLV/10, PEL/10 or (NAAQS) mg/m ³	RF air	Ratio air	RF water	Ratio water
Acetone	3,872.6		R	0.1	3.5			178.0	1	3.69×10^{-8}	0.02	2.74×10^{-6}
Acetonitrile	214.3			0.006	0.21				1	5.44×10^{-8}	0.02	2.53×10^{-6}
Acrolein				0.02	0.7	0.00002		0.23	1		0.02	
Aluminum nitrate	952,560							0.2	0.005	4.05×10^{-5}	0.1	
Ammonia	1,113.3					0.1	34	1.7	0.005	9.46×10^{-8}	0.1	4.06×10^{-7}
Antimony trioxide	5.4		RR	0.0004	0.014		0.006	0.05	1	1.84×10^{-7}	0.02	2.23×10^{-6}
Boron	78.8			0.09	3.15				0.005	1.34×10^{-9}	0.1	3.10×10^{-7}
Bromacil	275.6		R	0.13	4.55				0.005	2.34×10^{-9}	0.1	7.51×10^{-7}
Bromine	0.3							0.066	1	7.72×10^{-9}	0.02	
Bromofluorobenzene	204.1							0.52	1	6.67×10^{-7}	0.02	
Calcium fluoride	824.0							0.25	0.005	2.80×10^{-8}	0.1	
Ceric ammonium nitrate	1,050.8							5.1 ^b	0.005	1.72×10^{-9}	0.1	
Cerium (III) oxalate hydrate	35.0							0.1 ^c	0.005	2.98×10^{-9}	0.1	
Chlorine gas	348,364.8			0.1	3.5				1	3.95×10^{-3}	0.02	2.47×10^{-4}
Chloroethane						10			1		0.02	
Chloroethylvinyl ether	17.7							1000 ppm	1	6.68×10^{-12}	0.02	
Chloronaphthalene	0			0.08	2.8				1		0.02	4.43×10^{-11}
Chlorophenol	0.09		RRR	0.005	0.175				1		0.02	1.27×10^{-9}
Coal	41,010,886						0.002 (BaP)	0.2	0.005	1.74×10^{-3}	0.1	2.54×10^2
Coal fly ash	488.1						0.005	0.2	0.005	2.07×10^{-8}	0.1	1.22×10^{-4}
Coal slag	567						0.005	0.2	0.005	2.41×10^{-8}	0.1	1.40×10^{-4}
Copper compounds	142,111.5						1.3	0.02	0.005	6.04×10^{-5}	0.1	1.35×10^{-3}
Cyanide (KCN,NaCN, etc.)	100.7	D		0.005	0.175	0.003	0.2	0.5	0.005	2.85×10^{-7}	0.1	7.14×10^{-6}
Diazinon	10.5	DDD		0.00009	0.00315				0.005	8.92×10^{-9}	0.1	4.13×10^{-5}
Dibutyl phthalate	3,910.9	DD		0.1	3.5				1	1.33×10^{-5}	0.02	2.77×10^{-6}
Dichlorodifluoromethane (F21)	3,041.2							495.0	1	1.04×10^{-8}	0.02	
Dichlorophenol	0.02			0.003	0.105				1		0.02	4.73×10^{-10}
Dimethylformamide	9.6	DDD	R	0.1	3.5			3.0	1	5.44×10^{-9}	0.02	6.80×10^{-9}

Endosulfan	0			0.00005	0.00175		0.074	0.01	1	1.70×10^{-10}	0.02	1.42×10^{-9}
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Table C3-1. (Continued)

Chemical name	Inventory amount (kg)	Develop-mental	Repro-ductive	RfD (mg/kg/d)	RfD converted to water conc (mg/L)	RfC (mg/m ³)	Drinking Water Standard (mg/L)	TLV/10, PEL/10 or (NAAQS) mg/m ³	RF air	Ratio air	RF water	Ratio water
Endosulfan sulfate	0			0.00005	0.00175		0.074	0.01	1	1.70×10^{-10}	0.02	1.42×10^{-9}
Endrin	0		R	0.0003	0.0105		0.002	0.01	0.005	8.50×10^{-13}	0.1	1.18×10^{-9}
Endrin aldehyde	0		R	0.0003	0.0105		0.002	0.01	0.005	8.50×10^{-13}	0.1	1.18×10^{-9}
Ethoxyethanol	920.8							1.8	1	8.69×10^{-7}	0.02	
Ethylbenzene	12,260.4			0.1	3.5	1.0	0.7	43.4	1	2.08×10^{-5}	0.02	4.34×10^{-5}
Fluoranthene	0			0.4	14				1	1.70×10^{-11}	0.02	1.77×10^{-13}
Fluoride	0.18				0.12		4.0	0.25	0.005	6.12×10^{-12}	0.1	1.86×10^{-8}
Gadolinium compounds	408.2			0.06	2.1				0.005	1.51×10^{-6}	0.1	2.41×10^{-6}
Gadolinium nitrate	5,774.3				2.1				0.005	2.13×10^{-5}	0.1	3.41×10^{-5}
Hexanol	14,600				0.0072 ^a				1	3.44×10^{-3}	0.02	6.82×10^{-6}
Hydrochloric acid	1,483.5							0.75	1	3.36×10^{-6}	0.02	5.02×10^{-3}
Hydrofluoric acid	45,400			0.06	2.1		4.0	0.26	1	2.97×10^{-4}	0.02	5.36×10^{-5}
Hydrofluosilicic acid	46.6							0.25	1	1.98×10^{-8}	0.02	
Hydrogen sulfide	454,000							1.4	1	5.50×10^{-4}	0.02	
Hydroxylamine nitrate	454,000							5.2 ^b	1	1.48×10^{-4}	0.02	
Hydroxylamine sulfate	45,400				0.00102 ^a				1	7.56×10^{-2}	0.02	1.10×10^{-1}
Iron (ferrous) sulfamate	353,808							0.1 (Fe)	0.005	3.00×10^{-5}	0.1	
Kerosene (n-parrafin, ultasene)	89,812.8							0.2 (fume)	1	7.63×10^{-4}	0.02	
Lithium compounds	36,160.1							0.0025	0.005	1.22×10^{-4}	0.1	
Manganous nitrate	45,400		RR	0.005	0.175	0.0003		0.3 (5)	0.005	1.28×10^{-3}	0.1	3.22×10^{-3}
Mercuric nitrate	5,659.2		R				0.002 (Hg)	0.01	0.005	4.81×10^{-6}	0.1	3.53×10^{-2}
Mercury	9,797.6	DDD	RR	0.0003	0.0105		0.002	0.005	1	3.33×10^{-3}	0.02	1.21×10^{-2}
Methanol	8,648.9							26.2	1	5.61×10^{-7}	0.02	
Methoxychlor	0		RR	0.005	0.175		0.04	1.0	0.005	8.50×10^{-15}	0.1	3.10×10^{-10}
Methyl bromide				0.1	3.5			1.9	1		0.02	
Methyl chloride	0							10.3	1		0.02	

Methyl ethyl ketone	9,656.0			2				59	1	1.64×10^{-5}	0.02	3.42×10^{-7}
Nitric acid	4,545,072.0							5.2	1	1.48×10^{-3}	0.02	
Nitrogen dioxide	13.7		R						1	4.15×10^{-8}	0.02	

Table C3-1. (Continued)

Chemical name	Inventory amount (kg)	Develop-mental	Repro-ductive	RfD (mg/kg/d)	RfD converted to water conc (mg/L)	RfC (mg/m ³)	Drinking Water Standard (mg/L)	TLV/10, PEL/10 or (NAAQS) mg/m ³	RF air	Ratio air	RF water	Ratio water
Nitrophenol	2.2						65		0.005		0.1	4.19×10^{-10}
Nitrosobenzene								0.05	1	3.40×10^{-11}	0.02	
Oxalic acid	45,400							0.1	1	7.72×10^{-4}	0.02	
Ozone	0							(235)	1		0.02	
Phenol	814.4			0.6	21				1	7.29×10^{-7}	0.02	9.62×10^{-8}
Phosphoric acid	8,041.0							0.1	1	1.36×10^{-4}	0.02	
Potassium cyanide	5.1	D		0.05	1.75				0.005	8.67×10^{-11}	0.1	3.61×10^{-8}
Potassium ferrocyanide	124.1	D						0.5	0.005	2.11×10^{-9}	0.1	
Potassium fluoride	827.0							0.25	0.005	5.62×10^{-6}	0.1	
Potassium permanganate	32,659.2							0.5	0.005	1.11×10^{-4}	0.1	
Pyrene	0.05			0.03	1.05				1	1.7×10^{-10}	0.02	1.18×10^{-10}
Rhodium nitrate	50.4							0.001	0.005	4.28×10^{-7}	0.1	
Ruthenium compounds	3.4				0.0036 ^a				0.005	8.02×10^{-9}	0.1	1.17×10^{-5}
Sodium hydroxide	4,540,000							0.2	0.005	1.93×10^{-4}	0.1	
Stoddard solvent	63,798.6							51.5	1	2.11×10^{-6}	0.02	
Styrene	5,125.7			0.2	7	1.0		21.3	1	8.71×10^{-6}	0.02	1.82×10^{-10}
Sulfamic acid	5,740.4							0.1	1	9.75×10^{-5}	0.02	
Sulfur oxides	172.7							(80)	1	3.67×10^{-9}	0.02	
Sulfuric acid	544,320							(0.07)	1	1.32×10^{-2}	0.02	
Titanium compounds (dioxide)	358,781.7							1.0	0.005	3.05×10^{-6}	0.1	
Titanium tetrachloride	13.9							1.0	0.005	1.18×10^{-10}	0.1	
Toluene	40,493.2	DD		0.2	7	0.4	1.0	18.8	1	1.72×10^{-4}	0.02	1.00×10^{-4}
Tributyl phosphate (TBP)	62,087.2							0.22	0.005	2.39×10^{-6}	0.1	
Trichloroacetic acid	1.99						0.06	0.67	0.005	2.52×10^{-11}	0.1	4.11×10^{-7}
Trichlorobenzene	5.5		RR	0.01	0.35	0.2	0.07	3.7	1	4.68×10^{-8}	0.02	1.95×10^{-7}
Trichlorophenol (245-T)	0.6			0.01	0.35				1		0.02	4.25×10^{-9}

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Trimethylbenzene	134,996.2							12.3	1	1.86×10^{-5}	0.02	
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Table C3-1. (Continued)

Chemical name	Inventory amount (kg)	Develop-mental	Repro-ductive	RfD (mg/kg/d)	RfD converted to water conc (mg/L)	RfC (mg/m ³)	Drinking Water Standard (mg/L)	TLV/10, PEL/10 or (NAAQS) mg/m ³	RF air	Ratio air	RF water	Ratio water
Uranium	15,880,776.8	DDD	R	0.003	0.105		0.1	0.005	0.005	2.69×10^{-2}	0.1	1.87
Uranyl nitrate	0.09							0.005	0.005	1.53×10^{-10}	0.1	
Velpar L herbicide	0			0.033	1.15				1		0.02	
Xylene	100171.6			2	70		10.0	43.4	1	3.92×10^{-6}	0.02	2.48×10^{-5}
Xylidine	1.3							0.25	1	8.84×10^{-9}	0.02	
Zinc compounds	416663.4		R	0	10.5		5.0	0.1	0.005	3.54×10^{-5}	0.1	1.03×10^{-3}
^a The lowest LD50/10,000. ^b Toxicity value for nitrates or nitric acid. ^c Toxicity value for oxalate.												

Table C3-2. Carcinogens (Known, Suspect, Possible, Probable, and Mutagens)

Chemical name	Inventory amount (kg)	C	D	R	SF oral (mg/kg/d)	10 ⁻⁵ water conc (mg/L)	INHUR risk per Tg/m ³	10 ⁻⁵ air conc (mg/m ³)	TLV, PEL/10 or (NAAQS) mg/m ³	RfD	RfD converted to water conc	RfC
Acrylonitrile	1.7	B1	D	R	0.54	6×10^{-4}	0.000068	1×10^{-4}	0.43	0.001	0.035	0.002
Aldrin	2.0	B2			17	2×10^{-5}	0.0049	2×10^{-6}	0.025	3×10^{-5}	0.00105	0.005
Aniline	11.9	B2			0.0057	0.06			0.76			0.001
Anthracene	55.4	D							0.02	0.3	10.5	
Arsenic	0.3	A		RR	1.5	2.3×10^{-4}	0.0043	2×10^{-6}	0.02	0.003	0.0105	
Asbestos	442.62	A					0.23	4×10^{-8}	0.05			0.23
Benzene	7,350.1	A	DD	RR	0.029	0.012	8.30×10^{-6}	1.2×10^{-3}	3.2			
Benzidine	0	A			230	1.5×10^{-6}				0.003	0.105	
Benzo(a) anthracene	0	B2										
Benzo (a) pyrene	0	B2			7.3	5×10^{-5}						
Benzo(a)fluoranthene	0	D										
Benzoperylene	0	D										
Beryllium	1.4	B2			4.3	8.3×10^{-5}	0.024	4.2×10^{-7}	0.0002	0.005	0.175	
Bromoform	3.3	B2			0.0079	0.044	1.12×10^{-6}	9.0×10^{-3}	0.52	0.02	0.7	
Butyl benzyl phthalate	103.1	C		RR						0.2	7.0	
Cadmium compounds	1,781.2	B1		RR			0.0018	6.0×10^{-6}	0.0002			
Carbon tetrachloride		B2		R	0.13	0.0027	1.50×10^{-5}	7.2×10^{-4}	3.1	0.0007	0.0245	
Clordane		B2			1.3	2.7×10^{-4}	0.00037	3.0×10^{-5}	0.05	6×10^{-5}	0.0021	
Chlorobenzene	2.4	D							4.6	0.02	0.7	0.02
Chlorodibromomethane	10.3	C			0.084	4.21×10^{-3}				0.02	0.7	
Chloroethene (ethylchloride)		A3							26.4			
Chloroform	18.57	B2			0.0061	0.0573	2.3×10^{-5}	4.0×10^{-4}	4.9	0.01	0.35	
Chloromethane (methylchloride)		C		RR	0.0126	0.027				0.004		
Chromium compounds	187,046.6	C,A							0.001			
Chrysene	0	B2							0.02			
Coal tar (coke oven emissions)	3,589.5	A							0.02			
Cristobalite	10,296.7								0.05			
Dibenzanthracene	0.009											
DDT dichloro diphenyl trichloroethane	0	B2	DD	R	0.34	1.03×10^{-3}			0.1	0.0005	0.0175	

Table C3-2. (Continued)

	MCL				
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Chemical name	(mg/L)	RF air	Ratio air	RF water	Ratio water
Acrylonitrile		1	2.89×10^{-5}	0.02	7.03×10^{-6}
Aldrin		1	1.70×10^{-3}	0.02	2.48×10^{-3}
Aniline		1	2.66×10^{-8}	0.02	4.92×10^{-7}
Anthracene		1	4.71×10^{-6}	0.02	2.81×10^{-9}
Arsenic	0.05	0.005	1.11×10^{-8}	0.1	1.62×10^{-5}
Asbestos	7 f	0.005	9.40×10^{-2}	0.1	
Benzene	0.005	1	1.04×10^{-2}	0.02	3.64×10^{-3}
Benzidine		1		0.02	1.65×10^{-6}
Benzo(a) anthracene	0.002	1		0.02	8.50×10^{-10}
Benzo (a) pyrene	0.002	1		0.02	3.43×10^{-8}
Benzo(a)fluoranthene	0.002	1		0.02	8.50×10^{-10}
Benzoperylene	0.002	1		0.02	8.50×10^{-10}
Beryllium	0.004	0.005	2.83×10^{-5}	0.1	2.09×10^{-4}
Bromoform	0.08	1	6.23×10^{-7}	0.02	1.86×10^{-7}
Butyl benzyl phthalate	0.1	1		0.02	2.56×10^{-6}
Cadmium compounds	0.005	0.005	2.52×10^{-3}	0.1	4.42×10^{-3}
Carbon tetrachloride	0.005	1		0.02	
Clordane	0.002	1		0.02	
Chlorobenzene		1	2.04×10^{-7}	0.02	8.50×10^{-9}
Chlorodibromomethane	0.08	1	1.65×10^{-10}	0.02	6.07×10^{-6}
Chloroethene (ethylchloride)		1		0.02	
Chloroform	0.08	1	7.89×10^{-5}	0.02	8.04×10^{-7}
Chloromethane (methylchloride)		1		0.02	
Chromium compounds	0.1	0.005	1.59×10^{-3}	0.1	2.32×10^{-2}
Chrysene	0.002	1	8.50×10^{-11}	0.02	1.24×10^{-9}
Coal tar (coke oven emissions)	BaP	1	3.05×10^{-4}	0.02	4.45×10^{-3}
Cristobalite		0.005	1.75×10^{-6}	0.1	
Dibenzanthracene	BaP	1		0.02	1.12×10^{-8}
DDT dichloro diphenyl trichloroethane		1		0.02	

Table C3-2. (Continued)

Chemical name	Inventory amount (kg)	C	D	R	SF oral (mg/kg/d)	10 ⁻⁵ water conc (mg/L)	INHUR risk per Tg/m ³	10 ⁻⁵ air conc (mg/m ³)	TLV, PEL/10 or (NAAQS) mg/m ³	RfD	RfD converted to water conc	RfC
Dichlorobenzene	0.1	C		R	0.024	1.45 × 10 ⁻²			6.0	0.09	3.15	
Dichlorobenzidine	0	B2			0.45	7.7 × 10 ⁻⁴						
Dichloroethane	3.2	B2			0.091	3.8 × 10 ⁻³			40.5	0.1	3.5	0.5
Dichloroethylene	0.6	B2 to C			0.6	5.8 × 10 ⁻⁴	0.00005	2 × 10 ⁻⁴	79.3	0.009	0.315	
Dichloropropylene		B2								0.0003	0.0105	0.02
Dieldrin	0.004	B2	DD	R	16	2.2 × 10 ⁻⁵	0.0046	2 × 10 ⁻⁶	0.025	0.00005	0.00175	
Diethylhexyl phthalate	13.1	B2	D	RR					0.5			
Diethyl phthalate	212.3	D	DD	R					0.5	0.8	28	
Diisodecyl phthalate	51,327.1			R					0.64 ^a		0.64 ^a	
Dimethylaniline	104.5		D		0.75	4.7 × 10 ⁻⁴			2.5	0.002	0.07	
Dimethyl phthalate	175.0	D	D						0.5			
Diocetyl phthalate	450.8	B2	DD						0.5	0.02	0.7	
Dioxane	18.35	B2			0.011	0.031			9.0			
Diphenylhydrazine	0.09	B2			0.8	4.4 × 10 ⁻⁴	0.00022	5 × 10 ⁻⁵				
Ethanol	6,930.0								188.0			
Ethylene oxide	42.1	B1			1.02	3.4 × 10 ⁻⁴			0.18			
Formaldehyde	80.9	B1					0.000013	8.0 × 10 ⁻⁴	0.037	0.15	5.25	
Gasoline, diesel fuels, fuel oil	3,583,569.7								89			
Heptachlor	0	B2			4.5	8.0 × 10 ⁻⁵	0.0013	8 × 10 ⁻⁶	0.05			
Heptachlor epoxide	0	B2			9.1	4.0 × 10 ⁻⁵	0.0026	4 × 10 ⁻⁶				
Hexachlorobenzene	0.004	B2			1.6	2.0 × 10 ⁻⁴	0.00046	2 × 10 ⁻⁵	0.0025			
Hexachlorobutadiene	1.0				0.078	6.0 × 10 ⁻⁵	0.000022	5 × 10 ⁻⁴	0.021	0.002	0.07	
Hexachloroethane	0.04	C			0.014	2.5 × 10 ⁻²	0.000004	3.0 × 10 ⁻³	0.97	0.001	0.035	
Hexachlorocyclohexane (BHC) (lindane)	0				6.3	5.5 × 10 ⁻⁴	0.0018	6.0 × 10 ⁻⁶	0.05			
Hydrazine	45,400	B2			3.0	1.16 × 10 ⁻⁴	0.0048	2.1 × 10 ⁻⁶	0.01			
Hydrazine mononitrate	1,483.4	B2			3	1.16 × 10 ⁻⁴	0.0049	2.0 × 10 ⁻⁶	0.1			
Isophorone	110.1	C			0.00095	0.368			2.8	0.15	5.25	
Lead compounds	392,850.7	B2	DD						0.015			
Methylene chloride	525.2	B2							17.4	0.06	2.1	

Table C3-2. (Continued)

Chemical name	MCL (mg/L)	RF air	Ratio air	RF water	Ratio water
Dichlorobenzene	0.075	1		0.02	3.37×10^{-9}
Dichlorobenzidine		1		0.02	3.22×10^{-9}
Dichloroethane		1	1.08×10^{-8}	0.02	2.08×10^{-6}
Dichloroethylene		1	5.10×10^{-6}	0.02	2.56×10^{-6}
Dichloropropylene		1	3.40×10^{-10}	0.02	9.45×10^{-10}
Dieldrin		1	8.53×10^{-7}	0.02	1.13×10^{-7}
Diethylhexyl phthalate		1	4.45×10^{-8}	0.02	
Diethyl phthalate		1	7.22×10^{-7}	0.02	1.18×10^{-8}
Diisodecyl phthalate		1	1.36×10^{-4}	0.02	1.98×10^{-4}
Dimethylaniline		1	7.12×10^{-8}	0.02	5.51×10^{-4}
Dimethyl phthalate		1	5.95×10^{-7}	0.02	
Diocetyl phthalate		1	1.53×10^{-6}	0.02	1.59×10^{-6}
Dioxane		1	3.46×10^{-9}	0.02	1.47×10^{-6}
Diphenylhydrazine		1	3.06×10^{-6}	0.02	5.07×10^{-7}
Ethanol		1	6.26×10^{-8}	0.02	
Ethylene oxide		1	3.97×10^{-7}	0.02	3.07×10^{-4}
Formaldehyde		1	1.72×10^{-4}	0.02	3.82×10^{-8}
Gasoline, diesel fuels, fuel oil	benzene	1	6.85×10^{-5}	0.02	1.77
Heptachlor		1	2.12×10^{-7}	0.02	3.10×10^{-8}
Heptachlor epoxide		1	4.25×10^{-7}	0.02	6.23×10^{-8}
Hexachlorobenzene		0.005	1.70×10^{-9}	0.1	2.48×10^{-7}
Hexachlorobutadiene		0.005	1.71×10^{-8}	0.1	2.06×10^{-4}
Hexachloroethane		1	2.26×10^{-8}	0.02	3.97×10^{-9}
Hexachlorocyclohexane ^{(BHC) (lindane)}	0.0002	1	2.83×10^{-7}	0.02	4.51×10^{-9}
Hydrazine		1	3.67×10^1	0.02	9.71×10^{-1}
Hydrazine mononitrate		1	1.26×10^0	0.02	3.17×10^{-2}
Isophorone		1	6.68×10^{-8}	0.02	7.42×10^{-7}
Lead compounds	0.15	0.005	2.23×10^{-4}	0.1	3.25×10^{-2}
Methylene chloride	0.005	1	5.13×10^{-8}	0.02	2.60×10^{-4}

Table C3-2. (Continued)

Chemical name	Inventory amount (kg)	C	D	R	SF oral (mg/kg/d)	10 ⁻⁵ water conc (mg/L)	INHUR risk per Tg/m ³	10 ⁻⁵ air conc (mg/m ³)	TLV, PEL/10 or (NAAQS) mg/ m ³	RfD	RfD converted to water conc	RfC
Napthalene	4,540	C to D	D							0.004		
Nickel compounds (refining dust)	96,921.6	A					0.00048		0.005	0.02	0.7	
Nitrilotriacetic acid	4.2	2B										
Nitrobenzene	65.3	B2 to D	D						0.5	0.0005		
Nitrosodimethylamine	0	B2		RR	51		0.014					
Nitrosodiphenylamine	0	B2										
Pentachlorophenol	0.2	B2	DD		0.12					0.03	1.05	
Phenyl phenol	178.9	B2 to C	D	R	0.00194	0.181				0.00002		
Polychlorinated biphenyls (PCBs, arochlors)	0	B2		R	7.7	0.0454			0.05	0.00002		
Samarium nitrate	1.5											
Sodium arsenate	0.22	A	DD									
Tetrachloroethane	0	C			0.2		0.000058		0.69	0.03	1.05	
Tetrachloroethylene (PCE) (perc) withdrawn from IRIS	462,672.0	B2 to C	D							0.01	0.35	
Toxaphene	0	B2,2B	D		1.1		0.00032		0.05	0.1		0.005
Trichloroethane	5,610.4	C			0.057		0.000016		1.9	0.004	0.14	
Trichloroethylene withdrawn from IRIS	631.1	C							26.9	0.002		
Vinyl chloride	9.9	A	DD		1.9		0.000084		1.3			0.002

Table C3-2. (Continued)

Chemical name	MCL (mg/L)	RF air	Ratio air	RF water	Ratio water
Napthalene		1	1.48×10^{-6}	0.02	8.04×10^{-5}
Nickel compounds (refining dust)		0.005	3.96×10^{-2}	0.1	1.20×10^{-2}
Nitrilotriacetic acid		0.005	7.72×10^{-10}	0.1	1.13×10^{-6}
Nitrobenzene		1	5.55×10^{-5}	0.02	9.25×10^{-6}
Nitrosodimethylamine		1	2.43×10^{-6}	0.02	3.54×10^{-7}
Nitrosodiphenylamine		1	2.43×10^{-6}	0.02	3.54×10^{-7}
Pentachlorophenol	0.001	1	6.8×10^{-9}	0.02	1.50×10^{-7}
Phenyl phenol		1		0.02	6.34×10^{-4}
Polychlorinated biphenyls (PCBs, arochlors)	0.0005	0.005		0.1	
Samarium nitrate		0.005	1.27×10^{-12}	0.1	1.86×10^{-9}
Sodium arsenate		0.005	1.87×10^{-9}	0.1	5.46×10^{-8}
Tetrachloroethane	1.4	1	1.0×10^{-8}	0.02	1.46×10^{-9}
Tetrachloroethylene (PCE) (perc) withdrawn from IRIS		1	4.63×10^{-5}	0.02	2.29×10^{-1}
Toxaphene	0.003	1	5.66×10^{-8}	0.02	7.75×10^{-9}
Trichloroethane	0.005	1	1.54×10^{-2}	0.02	2.24×10^{-3}
Trichloroethylene withdrawn from IRIS		1	2.15×10^{-4}	0.02	3.13×10^{-4}
Vinyl chloride	0.002	1	1.40×10^{-4}	0.02	1.36×10^{-4}