

SRV Comparison

Chemical	CAS No.	Previous Residential mg/kg	Previous Recreational mg/kg	Revised Residential/ Recreational mg/kg	Previous Industrial mg/kg	Revised Commercial/ Industrial mg/kg	Previous Short-term Worker mg/kg
<i>Inorganics</i>							
Aluminum	7429-90-5	30000	40000	See BTV Eval	100000	100000	100000
Antimony	7440-36-0	12	16	6.2	100	93	60
Arsenic	7440-38-2	9	11	9	20	9	70
Barium	7440-39-3	1100	1100	3000	18000	35000	14000
Beryllium	7440-41-7	55	75	31	230	380	600
Boron	7440-42-8	6000	8000	3100	47000	46000	16000
Cadmium	7440-43-9	25	35	1.6	200	23	
Chromium III	16065-83-1	44000	60000	23000	100000	100000	100000
Chromium VI	18540-29-9	87	120	11	650	57	340
Cobalt	7440-48-4	600	800	13	2600	67	2800
Copper	7440-50-8	100	100	2200	9000	33000	3000
Copper cyanide	544-92-3	150	200	77	1200	1200	1400
Cyanide	57-12-5	60	60	13	5000	190	2900
Fluorine (soluble fluoride)	7782-41-4	180	180	930	20000	14000	16200
Iron	7439-89-6	9000	12000	100000	75000	100000	85000
Lead	7439-92-1	300	300	300	700	700	700
Lithium	7439-93-2	700	950	31	5900	470	5600
Manganese	7439-96-5	3600	5000	2100	8100	21000	38000
Mercury (inorganic)	7439-97-6	0.5	1.2	3.1	1.5	3.1	0.4
Methyl mercury	22967-92-6	3	4	1.3	20	18	25
Nickel	various	560	800	170	2500	2600	1400
Selenium	7782-49-2	160	200	77	1300	1200	1400
Silver	7440-22-4	160	200	77	1300	1200	1400
Strontium	7440-24-6	18000	24000	9300	100000	100000	100000
Thallium	various	3	3	Site Specific	21	2.3	230
Tin	various	9000	12000	4600	75000	70000	80000
Titanium	7440-32-6	100000	100000	24000	100000	27000	
Vanadium (except vanadium pentoxide)	7440-62-2	30	40	See BTV Eval	250	See BTV Eval	300
Zinc (except zinc phosphide)	7440-66-6	8700	12000	4600	75000	70000	85000
<i>Volatile Organics</i>							
Acetone	67-64-1	340	850	18000	1000	100000	100000
Benzene	71-43-2	6	14	14	10	100	2
Bromodichloromethane	75-27-4	10	28	130	17	730	17

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Bromomethane (<i>methyl bromide</i>)	74-83-9	0.7	2	13	2	31	22
n-Butylbenzene	104-51-8	30	70	110	92	110	
sec-Butylbenzene	135-98-8	25	55	140	70	140	
tert-Butylbenzene	98-06-6	30	55	180	90	180	
Carbon Disulfide	75-15-0	65	160	740	190	740	55
Carbon Tetrachloride	56-23-5	0.3	0.7	14	0.9	120	3.5
Chlorobenzene	108-90-7	11	23	150	32	310	76
Chloroethane (<i>ethyl chloride</i>)	75-00-3	1000	2250	2100	3000	2100	
Chloroform (trichloromethane)	67-66-3	2.5	7	150	4	540	3
Chloromethane (<i>methyl chloride</i>)	74-87-3	8	20	420	23	590	30
2-Chlorotoluene	95-49-8	436	436	430	436	910	436
Cumene (isopropylbenzene)	98-82-8	30	74	270	87	270	240
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.3	1	0.83	0.5	1.4	0.5
Dibromomethane (<i>methylene bromide</i>)	74-95-3	260	316	17	1860	26	11182
Dichlorodifluoromethane (<i>Freon 12</i>)	75-71-8	16	42	410	50	650	135
1,1-Dichloroethane	75-34-3	34	97	510	55	1700	55
1,2-Dichloroethane	107-06-2	4	10	5.8	6	33	6
1,1-Dichloroethylene	75-35-4	20	50	480	60	1200	60
cis-1,2-Dichloroethylene	156-59-2	8	19	28	22	420	62
trans-1,2-Dichloroethylene	156-60-5	11	28	200	33	1700	91
1,2-Dichloroethylene (mixed isomers)	540-59-0	8	19	190	22	1300	62
Dichloromethane (<i>methylene chloride</i>)	75-09-2	97	270	120	158	1300	158
1,2-Dichloropropane	78-87-5	4	11	19	6	26	3
Ethyl benzene	100-41-4	200	200	190	200	340	200
Furan	110-00-9			22		320	
n-Hexane	110-54-3	100	100	140	100	140	100
Methyl ethyl ketone (<i>2-butanone</i>)	78-93-3	5500	5500	8700	19000	28000	6000
Methyl isobutyl ketone (<i>MIBK</i>)	108-10-1	1700	2500	1500	9000	3400	4500
Naphthalene	91-20-3	10	24	81	28	120	78
n-Propylbenzene	103-65-1	30	70	260	93	260	200
Styrene	100-42-5	210	500	870	600	870	1450
1,1,1,2-Tetrachloroethane	630-20-6	31	83	300	51	680	45
1,1,2,2-Tetrachloroethane	79-34-5	3.5	4	39	6.5	230	6.5
Tetrachloroethylene (PCE)	127-18-4	72	145	31	131	88	131

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Toluene	108-88-3	107	260	820	305	820	215
1,2,4-Trichlorobenzene	120-82-1	200	290	25	985	36	
1,1,1-Trichloroethane	71-55-6	140	280	640	472	640	
1,1,2-Trichloroethane	79-00-5	9	24	0.93	14	1.3	14
Trichloroethylene (TCE)	79-01-6	29	82	2.6	46	11	46
Trichlorofluoromethane	75-69-4	67	168	1200	195	1200	545
1,1,2-Trichloro -1,2,2 - trifluoroethane (Freon 113)	76-13-1	3745	5430	900	5430	900	5430
1,2,4-Trimethylbenzene	95-63-6	8	20	32	25	46	70
1,3,5-Trimethylbenzene	108-67-8	3	8	180	10	180	30
Vinyl chloride	75-01-4	0.8	2	5.4	2.2	48	3
Xylenes (mixed)	1330-20-7	45	110	260	130	260	353
Non and Semi Volatile Organics							
Benzoic acid	65-85-0	50000	83000	53000	100000	100000	100000
Benzyl alcohol	100-51-6	8700	9500	1300	56000	18000	
Bis (2-chloroethyl) ether	111-44-4	2.5	6	3.7	5	8.7	4
Bromoform (<i>tribromomethane</i>)	75-25-2	370	630	260	650	660	650
Butyl benzylphthalate	85-68-7	580	623	2000	3700	27000	31450
Dibenzofuran (unsubstituted)	132-64-9	104	130	22	810	170	
1,4-Dibromobenzene	106-37-6	260	306	130	1760	1800	15000
Dibromochloromethane	124-48-1	12	30	93	20	540	20
Dibutyl phthalate (Di-n-butyl phthalate)	84-74-2	2440	3070	300	16300	4100	100000
1,2-Dichlorobenzene	95-50-1	26	63	380	75	380	1390
1,3-Dichlorobenzene	541-73-1	26	32	300	200	300	
1,4-Dichlorobenzene	106-46-7	30	72	55	50	83	38
3,3-Dichlorobenzidine	91-94-1	25	30	9.7	50	51	93
2,4-Dichlorophenol	120-83-2	48	61	40	230	540	365
Diphenylamine	122-39-4			330		4500	
Di(2-ethylhexyl)phthalate (<i>bis-2-ethylhexyl phthalate</i>)	117-81-7	570	690	320	2100	1800	5000
2,4-Dimethylphenol	105-67-9	390	530	260	1925	3600	8200
Di - n - octyl phthalate	117-84-0	520	630	160	3700	2100	3700
1,4-Dioxane	123-91-1	150	250	8.8	250	180	225
Ethylene glycol	107-21-1	50000	63000	5000	100000	22000	100000
Formaldehyde	50-00-0			300		460	
Furfural	98-01-1			36		280	

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Hexachlorobenzene	118-74-1	5	8	2.1	9	7	10
Hexachlorobutadiene	87-68-3	6	6	13	37	180	73
Hexachlorocyclopentadiene	77-47-4	2	5	0.93	6	1.3	900
Isophorone	78-59-1			2600		26000	
Methanol	67-56-1	9100	12900	24000	43500	100000	
2-Methylphenol (o-cresol)	95-48-7	75	95	660	352	8300	
3-Methylphenol (m-cresol)	108-39-4	75	95	660	352	8400	
4-Methylphenol (p-cresol)	106-44-5	10	11	1300	59	16000	59
4-Nitrophenol	100-02-7			110		1400	
N-Nitroso-di-n-propylamine	621-64-7	0.7	1.2	0.57	1.2	2.4	1.3
N-Nitrosodiphenylamine	86-30-6	1950	2585	850	3720	4000	5900
Pentachlorophenol (PCP)	87-86-5	80	80	8.6	120	46	160
Perfluorobutane sulfonate (PFBS)	375-73-5			18		250	
Perfluorobutyric Acid (PFBA)	375-22-4	77	94	38	500	520	
Perfluorooctane sulfonate (PFOS)	1763-23-1	2.1	2.6	1.1	14	14	
Perfluorooctanoic acid (PFOA)	335-67-1	2.1	2.5	1	13	14	
Phenol	108-95-2	1500	1500	3500	20203	24000	20203
2,3,4,6-Tetrachlorophenol	58-90-2	636	700	400	3700	5400	36600
2,4,5-Trichlorophenol	95-95-4	1920	2212	1300	10600	18000	100000
2,4,6-Trichlorophenol	88-06-2	595	705	13	1060	180	1495
Polyaromatic Hydrocarbons							
Acenaphthene	83-32-9	1200	1860	1300	5260	19000	19000
Anthracene	120-12-7	7880	10000	6500	45400	97000	100000
Benzo[a]pyrene (BaP equivalents)	50-32-8	2	2	1	3	14	14
Fluoranthene	206-44-0	1080	1290	510	6800	6700	48600
Fluorene	86-73-7	850	1200	860	4120	13000	17240
2-Methylnaphthalene	91-57-6	100	120	39	369	370	
Pyrene	129-00-0	890	1060	44	5800	44	43000
Quinoline	91-22-5	4	4	1.4	7	7.8	30
Polychlorinated Biphenyls							
PCBs (Polychlorinated Biphenyls)	1336-36-3	1.2	1.4	0.62	8	8.2	8
Pesticides							
Aldrin	309-00-2	1	1	0.26	2	1.4	2.5
Carbazole	86-74-8	700	720	220	1310	1300	3300

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Chloramben	133-90-4	430	540	200	3200	2700	
Chlordane	12789-03-6	13	16	7	74	75	78
4,4-DDD	72-54-8	56	74	19	125	100	260
4,4-DDE	72-55-9	40	52	13	80	70	175
4,4-DDT	50-29-3	15	18	7.3	88	86	88
Diazinon	333-41-5	26	32	9.2	200	130	160
2,4-Dichlorophenoxyacetic acid (2,4D)	94-75-7	285	360	140	2200	2000	1740
4-(2,4-Dichlorophenoxy) butyric acid (2,4-DB)	94-82-6	226	286	110	1750	1400	14000
Dieldrin	60-57-1	0.8	1.2	0.11	2	1.5	3.5
Endosulfan	115-29-7	120	140	79	700	1100	765
Endrin	72-20-8	8	10	4	56	54	56
Heptachlor	76-44-8	2	3	0.95	3.5	4.7	4
Heptachlor epoxide	1024-57-3	0.4	0.5	0.17	3	2.3	2.3
alpha-Hexachlorocyclohexane (alpha-BHC or alpha-HCH)	319-84-6	2	3	0.69	3.5	3.5	5
beta-Hexachlorocyclohexane (beta-BHC or beta-HCH)	319-85-7	7	11	2.4	15	13	27
gamma-Hexachlorocyclohexane (gamma-BHC, Lindane)	58-89-9	9	12	4.3	15	23	22
Hexachlorocyclohexane, technical grade	608-73-1	6	9	1.1	11	5.9	16
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	94-74-6	16	18	6.6	110	90	87
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPA)	93-65-2	29	36	13	220	180	1730
Metolachlor	51218-45-2	435	536	1300	3300	17000	2610
Picloram	1918-02-1	2000	2500	920	15000	13000	
Terbufos	13071-79-9	0.6	0.6	0.33	3.5	4.5	3.5
Toxaphene	8001-35-2	13	17	4	28	22	60
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	93-76-5	290	360	130	2150	1800	17300
Dioxins and Furans							
TCDD (2,3,7,8-) (2,3,7,8 TCDD equivalents, 2,3,7,8-Tetrachlorodibenzo-p-dioxin)	1746-01-6	2.E-05	3.E-05	3.70E-06	4.E-05	2.00E-05	8.E-05
Explosives							
Cyclotrimethylenetrinitramine (RDX)	121-82-4	35	27	45	75	280	187
1,3-Dinitrobenzene (1,3-DNB)	99-65-0	2	2	1.3	13	18	117
2,4-Dinitrotolulene (2,4-DNT)	121-14-2	50	60	14	355	74	303
2,6-Dinitrotolulene (2,6-DNT)	606-20-2	25	30	3	175	17	1508
DNT Mixture (2,4- and 2,6-)	25321-14-6	12	17	6.6	23	37	32

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Octogen (HMX) (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra, cyclotetramethylene tetranitramine)	2691-41-0	1360	1611	760	9560	11000	
1,3,5-Trinitrobenzene (1,3,5-TNB)	99-35-4	610	660	450	3760	6600	
2,4,6-Trinitrotoluene (2,4,6-TNT)	118-96-7	10	11	7.3	63	110	63