RELATIVE DERMAL ABSORPTION FACTORS

Name	CAS Number	Chemical Class	Relative Dermal Absorption Factor
Units of Measurement			**(unitless)**
2,4-D	94-75-7	organic	
Aldicarb	116-06-3	organic	
Aldrin	309-00-2	organic	0.25
Aniline	62-53-3	organic	
Anthracene	120-12-7	organic	
Arsenic	7440-38-2	inorganic	0.03
Atrazine + metabolites	1912-24-9	organic	
Azinphos-methyl	86-50-0	organic	
Barium	7440-39-3	inorganic	0.1
Bendiocarb	22781-23-3	organic	
Benz[a]anthracene	56-55-3	organic	0.2
Benzene	71-43-2	organic	0.08
Benzo(a)pyrene	50-32-8	organic	0.2
Benzo(b)fluoranthene	205-99-2	organic	0.2
Benzo(g,h,i)perylene	191-24-2	organic	0.18
Benzo(j)fluoranthene	205-82-3	organic	0.2
Benzo(k)fluoranthene	207-08-9	organic	0.2
Bis(2-ethyl-hexyl) phthalate	117-81-7	organic	0.02
Bis(Chloro-methyl) ether	542-88-1	organic	
Boron (and borates)	7440-42-8	inorganic	
Bromoxynil	1689-84-5	organic	
Cadmium	7440-43-9	inorganic	0.14
Carbaryl	63-25-2	organic	
Carbofuran	1563-66-2	organic	
Carbon tetrachloride	56-23-5	organic	0.1
Chloramine, mono	10599-90-3	organic	
Chlorobenzene	108-90-7	organic	0.1
Chlorpyrifos	2921-88-2	organic	
Chromium, hexavalent	18540-29-9	inorganic	0.09
Chromium, total	7440-47-3	inorganic	0.04
Chrysene	218-01-9	organic	0.2
Copper	7440-50-8	inorganic	0.1
Cumene (isopropylbenzene)	98-82-8	organic	
Cyanazine	21725-46-2	organic	
Cyanide, free (CN- + HCN)	57-12-5	inorganic	0.3
DDT (DDT, p,p'-)	50-29-3	organic	0.2
Diazinon	333-41-5	organic	
Dibenz(a,h)anthracene	53-70-3	organic	
Dibromoethane, 1,2-	106-93-4	organic	
Dibutyl phthalate	84-74-2	organic	
Dicamba	1918-00-9	organic	
Dichlorobenzene, 1,2-	95-50-1	organic	0.1
Dichlorobenzene, 1,3-	541-73-1	organic	0.1
Dichlorobenzene, 1,4-	106-46-7	organic	0.1
Dichlorobenzidine, 3,3'-	91-94-1	organic	0.54

Dichloroethane, 1,2-	107-06-2	organic	0.1
Dichloroethylene, 1,1	75-35-4	organic	0.1
Dichloromethane	75-09-2	organic	
Dichorophenol, 2,4-	120-83-2	organic	0.4
Diclofop-methyl	51338-27-3	organic	
Dieldrin	60-57-1	organic	0.25
Dimethoate	60-51-5	organic	
Dinoseb	88-85-7	organic	
Dioxane, 1,4-	123-91-1	organic	
Diquat	2764-72-9	organic	
Diuron	330-54-1	organic	
Ethylbenzene	100-41-4	organic	0.2
Fluoranthene	206-44-0	organic	
Fluorene	86-73-7	organic	
Fluoride, inorganic (F-)	16984-48-8	inorganic	
Glyphosate	1071-83-6	organic	
Hexachlorobenzene	118-74-1	organic	
Indeno(1,2,3-c,d)pyrene	193-39-5	organic	0.2
Lead	7439-92-1	inorganic	0.006
Malathion	121-75-5	organic	
Manganese	7439-96-5	inorganic	
Mercury, inorganic (ionic)	NA	inorganic	0.05
Mercury, vapour	NA	inorganic	
Methoxychlor	72-43-5	organic	0.2
Methyl mercury	22967-92-6	organic	
Methyl methacrylate	80-62-6	organic	
Methyl t-butyl ether (MTBE)	1634-04-4	organic	0.1
Metolachlor	51218-45-2	organic	
Metribuzin	21087-64-9	organic	
Molybdenum	7439-98-7	inorganic	0.1
Naphthalene	91-20-3	organic	
Naphthalene, 2-Methyl	91-57-6	organic	
Nickel (II) chloride	7718-54-9	inorganic	0.35
Nickel (II) oxide	1313-99-1	inorganic	0.35
Nickel (II) sulfate	7786-81-4	inorganic	0.35
Nickel (III) subsulfide	12035-72-2	inorganic	0.35
Nickel, metallic	7440-02-0	inorganic	0.35
Nickel, oxidic/sulphidic/soluble	NA	inorganic	0.35
Nickel, soluble	NA	inorganic	0.35
Nitrilotriacetic acid (NTA)	139-13-9	organic	
Paraquat (as dichloride)	1910-42-51	organic	
Parathion	56-38-2	organic	
Pentachlorobenzene	608-93-5	organic	
Pentachlorophenol	87-86-5	organic	0.11
Phenanthrene	85-01-8	organic	0.18
Phenol	108-95-2	organic	0.26
Phorate	298-02-2	organic	
Picloram	1918-02-1	organic	
Polychlorinated Biphenyls (total)	NA	organic	
Pyrene	129-00-0	organic	
Selenium	7782-49-2	inorganic	0.002
Simazine	122-34-9	organic	

Styrene	100-42-5	organic	0.2
Terbufos	13071-79-9	organic	
Tetrachlorobenzene, 1,2,3,4-	634-66-2	organic	
Tetrachlorobenzene, 1,2,3,5-	634-90-2	organic	
Tetrachlorobenzene, 1,2,4,5-	95-94-3	organic	
Tetrachloro-dibenzofuran, 2,3,7,8-	51207-31-9	organic	
Tetrachloro-dibenzo-p-dioxin, 2,3,7,8-	1746-01-6	organic	
Tetrachloroethylene (PCE)	127-18-4	organic	0.1
Tetrachlorophenol, 2,3,4,6-	58-90-2	organic	
Toluene	108-88-3	organic	0.12
Tributyltin Oxide	56-35-9	organic	
Trichlorobenzene, 1,2,3-	87-61-6	organic	
Trichlorobenzene, 1,2,4-	120-82-1	organic	
Trichlorobenzene, 1,3,5-	108-70-3	organic	
Trichloroethylene (TCE)	79-01-6	organic	0.1
Trichlorophenol,2,4,6-	88-06-2	organic	0.26
Trichloropropane, 1,2,3-	96-18-4	organic	
Trifluralin	1582-09-8	organic	
Uranium (non-radiological)	7440-61-1	inorganic	
Vinyl chloride	75-01-4	organic	0.16
Xylenes (total)	1330-20-7	organic	0.12
Zinc	7440-66-6	inorganic	0.02

HC2	Health Canada. 2007 (draft). Federal Contaminated Site Risk Assessment in Canada. Part I: Guidance on Human Health Preliminary Quantitative Risk Assessment. Version 2.0.

Table adapted from Health Canada's PQRA model (Health Canada 2004)