

Chapter NR 635
APPENDIX I
GROUNDWATER MONITORING LIST¹

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL (µg/L) ⁶
Acenaphthene	00083-32-9	Acenaphthylene, 1,2-dihydro	8100 8270	200 10
Acenaphthylene	00208-96-8	Acenaphthylene	8100 8270	200 10
Acetone	00067-64-1	2-Propanone	8240	100
Acetophenone	00098-86-2	Ethanone, 1-phenyl	8270	10
Acetonitrile; Methyl cyanide	00075-05-8	Acetonitrile	8015	100
2-Acetylaminofluorene; 2-AAF	00053-96-3	Acetamide, N-9H-fluoren-2-yl-	8270	10
Acrolein	00107-02-8	2-Propenal	8030 8240	5 5
Acrylonitrile	00107-13-1	2-Propenenitrile	8030 8240	5 5
Aldrin	00309-09-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro- 1,4,4a,5,8,8a-hexahydro- (1alpha,4alpha,4beta,5alpha,8alpha,8beta)-	8080 8270	0.05 10
Allyl chloride	00107-05-1	1-Propene, 3-chloro-	8010 8240	5 100
4-Aminobiphenyl	00092-67-1	[1,1'-Biphenyl]-4-amine	8270	10
Aniline	00062-53-3	Benzenamine	8270	10
Anthracene	00120-12-7	Anthracene	8100 8270	200 10
Antimony	(Total)	Antimony	6010 7040 7041	300 2,000 30
Aramite	00140-57-8	Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester	8270	10
Arsenic	(Total)	Arsenic	6010 7060 7061	500 10 20
Barium	(Total)	Barium	6010 7080	20 1,000
Benzene	00071-43-2	Benzene	8020 8240	2 5
Benzo[a]anthracene; Benzanthracene	00056-55-3	Benzo[a]anthracene	8100 8270	200 10
Benzo[b]fluoranthene	00205-99-2	Benzo[e]acephenanthrylene	8100 8270	200 10
Benzo[k]fluoranthene	00207-08-9	Benzo[k]fluoranthene	8100 8270	200 10
Benzo[ghi]perylene	00191-24-2	Benzo[ghi]perylene	8100 8270	200 10
Benzo[a]pyrene	00050-32-8	Benzo[a]pyrene	8100 8270	200 10
Benzyl alcohol	00100-51-6	Benzenemethanol	8270	20
Beryllium	(Total)	Beryllium	6010 7090 7091	3 50 2
alpha-BHC	00319-84-6	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5beta,6beta)-	8080 8250	0.05 10
beta-BHC	00319-85-7	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2beta,3alpha,4beta,5alpha,6beta)-	8080 8250	0.05 40
delta-BHC	00319-86-8	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3alpha,4beta,5alpha,6beta)-	8080 8250	0.1 30
gamma-BHC; Lindane	00058-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	8080 8250	0.05 10
Bis(2-chloroethoxy)methane	00111-91-1	Ethane, 1,1'-(methylenebis(oxy))bis[2-chloro-	8270	10
Bis(2-chloroethyl)ether	00111-44-4	Ethane, 1,1'-oxybis[2-chloro-	8270	10
Bis(2-chloro-1-methylethyl) ether; 2,2'-Dichlorodiisopropyl ether	00108-60-1	Propane, 2,2'-oxybis[1-chloro-	8010 8270	100 10
Bis(2-ethylhexyl) phthalate	00117-81-7	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester	8060 8270	20 10
Bromodichloromethane	00075-27-4	Methane, bromodichloro-	8010 8240	1 5

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL µg/L ⁶
Bromoform; Tribromomethane	00075-25-2	Methane, tribromo	8010 8240	2 5
4-Bromophenyl phenyl ether	00101-55-3	Benzene, 1-bromo-4-phenoxy	8270	10
Butyl benzyl phthalate; Benzyl butyl phthalate	00085-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	8060 8270	5 10
Cadmium	(Total)	Cadmium	6010 7130 7131	40 50 1
Carbon disulfide	00075-15-0	Carbon disulfide	8240	5
Carbon tetrachloride	00056-23-5	Methane, tetrachloro	8010 8240	1 5
Chlordane	00057-74-9	4,7-Methano-1H-indene,1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro	8080 8250	0.1 10
p-Chloroaniline	00106-47-8	Benzenamine, 4-chloro	8270	20
Chlorobenzene	00108-90-7	Benzene, chloro	8010 8020 8240	2 2 5
Chlorobenzilate	00510-15-6	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy,ethyl ester	8270	10
p-Chloro-m-cresol	00059-50-7	Phenol, 4-chloro-3-methyl	8040 8270	5 20
Chloroethane; Ethyl chloride	00075-00-3	Ethane, chloro	8010 8240	5 10
Chloroform	00087-66-3	Methane, trichloro	8010 8240	0.5 5
2-Chloronaphthalene	00091-58-7	Naphthalene, 2-chloro	8120 8270	10 10
2-Chloropheno	00095-57-8	Phenol, 2-chloro	8040 8270	5 10
4-Chlorophenyl phenyl ether	07005-72-3	Benzene, 1-chloro-4-phenoxy	8270	10
Chloroprene	00126-99-8	1,3-Butadiene, 2-chloro	8010 8240	50 5
Chromium	(Total)	Chromium	6010 7190 7191	70 500 10
Chrysene	00218-01-9	Chrysene	8100 8270	200 10
Cobalt	(Total)	Cobalt	6010 7200 7201	70 500 10
Copper	(Total)	Copper	6010 7210	60 200
m-Cresol	00108-39-4	Phenol, 3-methyl	8270	10
o-Cresol	00095-48-7	Phenol, 2-methyl	8270	10
p-Cresol	00106-44-5	Phenol, 4-methyl	8270	10
Cyanide	00057-12-5	Cyanide	9010	40
2,4-D; 2,4-Dichlorophenoxy-acetic acid	00094-75-7	Acetic acid, (2,4-dichlorophenoxy)	8150	10
4,4'-DDD	00072-54-8	Benzene 1,1'-(2,2-dichloroethylidene)bis[4-chloro	8080 8270	0.1 10
4,4'-DDE	00072-55-9	Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro	8080 8270	0.05 10
4,4'-DDT	00050-29-3	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro	8080 8270	0.1 10
Diallate	02303-16-4	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	8270	10
Dibenz[a,h]anthracene	00053-70-3	Dibenz[a,h]anthracene	8100 8270	200 10
Dibenzofuran	00132-64-9	Dibenzofuran	8270	10
Dibromochloromethane; Chlorodibromomethane	00124-48-1	Methane, dibromochloro	8010 8240	1 5
1,2-Dibromo-3-chloropropane; DBCP	00096-12-8	Propane, 1,2-dibromo-3-chloro	8010 8240 8270	100 5 10
1,2-Dibromoethane; Ethylene dibromide	00106-93-4	Ethane, 1,2-dibromo	8010 8240	10 5
Di-n-butyl phthalate	00084-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	8060 8270	5 10
o-Dichlorobenzene	00095-50-1	Benzene, 1,2-dichloro	8010 8020 8120	2 5 10
m-Dichlorobenzene	00541-73-1	Benzene, 1,3-dichloro	8270 8010 8020 8120	10 5 5 10
			8270	10

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL µg/L ⁶
p-Dichlorobenzene	00106-46-7	Benzene, 1,4-dichloro	8010 8020 8120 8270	2 5 15 10
3,3'-Dichlorobenzidine	00091-94-1	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro	8270	20
trans-1,4-Dichloro-2-butene	00110-57-6	2-Butene, 1,4-dichloro-, (E)-	8240	5
Dichlorodifluoromethane	00076-71-8	Methane, dichlorodifluoro-	8010 8240	10 5
1,1-Dichloroethane	00076-34-3	Ethane, 1,1-dichloro-	8010 8240	1 5
1,2-Dichloroethane; Ethylene dichloride	00107-06-2	Ethane, 1,2-dichloro-	8010 8240	0.5 5
1,1-Dichloroethylene; Vinylidene chloride	00076-35-4	Ethene, 1,1-dichloro-	8010 8240	1 5
trans-1,2-Dichloroethylene	00166-60-5	Ethene, 1,2-dichloro-, (E)-	8010 8240	1 5
2,4-Dichlorophenol	00120-83-2	Phenol, 2,4-dichloro-	8040 8270	5 10
2,6-Dichlorophenol	00087-65-0	Phenol, 2,6-dichloro-	8270	10
1,2-Dichloropropane	00078-87-5	Propane, 1,2-dichloro-	8010 8240	0.5 5
cis-1,3-Dichloropropene	10061-01-5	1-Propene, 1,3-dichloro-, (Z)-	8010 8240	20 5
trans-1,3-Dichloropropene	10061-02-6	1-Propene, 1,3-dichloro-, (E)-	8010 8240	5 5
Dieldrin	00060-57-1	2,7,3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,-7,7a-octahydro-, (1aalpha, 2beta, 2alpha, 3beta, 6beta, 6alpha, 7beta, 7aalpha)-	8080 8270	0.05 10
Diethyl phthalate	00084-66-2	1,2-Benzenedicarboxylic acid, diethyl ester	8060 8270	5 10
O,O-Diethyl O-2-pyrazinyl phosphorothioate; Thionazin	00297-97-2	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	8270	10
Dimethoate	00060-51-5	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	8270	10
p-(Dimethylamino)azobenzene	00060-11-7	Benzenamine, N,N-dimethyl-4-(phenylazo)-	8270	10
7,12-Dimethylbenz[a]anthracene	00057-97-6	Benz[a]anthracene, 7,12-dimethyl-	8270	10
3,3'-Dimethylbenzidine	00119-93-7	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	8270	10
alpha, alpha-Dimethylphen-ethylamine	00122-09-8	Benzenethanamine, alpha, alpha-dimethyl-	8270	10
2,4-Dimethylphenol	00105-67-9	Phenol, 2,4-dimethyl-	8040 8270	5 10
Dimethyl phthalate	00131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester	8060 8270	5 10
m-Dinitrobenzene	00099-65-0	Benzene, 1,3-dinitro-	8270	10
4,6-Dinitro-o-cresol	00534-52-1	Phenol, 2-methyl-4,6-dinitro-	8040 8270	150 50
2,4-Dinitrophenol	00051-28-5	Phenol, 2,4-dinitro-	8040 8270	150 50
2,4-Dinitrotoluene	00121-14-2	Benzene, 1-methyl-2,4-dinitro-	8090	0.2
2,6-Dinitrotoluene	00606-20-2	Benzene, 2-methyl-1,3-dinitro-	8090	0.1
Dinoseb; DNBP; 2-sec-Butyl-4,6-dinitrophenol	00088-85-7	Phenol, 2-(1-methylpropyl)-4,6-dinitro-	8150 8270	1 10
Di-n-octyl phthalate	00117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester	8060 8270	30 10
1,4-Dioxane	00123-91-1	1,4-Dioxane	8015	150
Diphenylamine	00122-39-4	Benzenamine, N-phenyl-	8270	10
Disulfoton	00298-04-4	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester	8140 8270	2 10
Endosulfan	00959-98-8	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3alpha,5beta,6alpha,9alpha,9beta)-	8080 8250	0.1 10
Endosulfan II	33213-65-9	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3alpha,5alpha,6beta,9beta,9alpha)-	8080	0.05
Endosulfan sulfate	01031-07-8	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3,3-dioxide	8080 8270	0.5 10
Endrin	00072-20-8	2,7,3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,-7,7a-octahydro-, (1aalpha, 2beta, 2beta, 3alpha, 6alpha, 6beta, 7beta, 7aalpha)-	8080 8270	0.05 10
Endrin aldehyde	07421-93-4	1,2,4-Methenocyclopenta[cd]pentalene-5-carboxaldehyde, 2,2a,3,3,4,7-hexachlorodecahydro-, (1alpha,2beta,2beta,4beta,4beta,5beta,6beta,6beta,7R*)-	8080 8270	0.2 10
Ethylbenzen	00100-41-4	Benzene, ethyl-	8020 8240	2 5

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL µg/L ⁶
Ethyl methacrylate.....	00097-63-2	2-Propenoic acid, 2-methyl-, ethyl ester.....	8015 8240 8270	10 5 10
Ethyl methanesulfonate.....	00062-50-0	Methanesulfonic acid, ethyl ester.....	8270	10
Famphur.....	00052-85-7	Phosphorothioic acid, O-[4- [(dimethylamino)sulfonyl]phenyl]-O,O-dimethyl ester	8270	10
Fluoranthene.....	00208-44-0	Fluoranthene.....	8100 8270	200 10
Fluorene.....	00086-73-7	9H-Fluorene.....	8100 8270	200 10
Heptachlo.....	00076-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro -3a,4,7,7a-tetrahydro.....	8080 8270	0.05 10
Heptachlor epoxide.....	01024-57-3	2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7- heptachloro-1a,1b,5,5a,6,6a,-hexahydro-, (1alpha, 1bbeta, 2alpha, 5alpha, 6alpha, 6beta, 6beta, 6alpha)....	8080 8270	1 10
Hexachlorobenzene.....	00118-74-1	Benzene, hexachloro.....	8120 8270	0.5 10
Hexachlorobutadiene.....	00087-68-3	1,3-Butadiene, 1,1,2,3,4,4-hexachloro.....	8120 8270	5 10
Hexachlorocyclopentadiene.....	00077-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro.....	8120 8270	5 10
Hexachloroethane.....	00067-72-1	Ethane, hexachloro.....	8120 8270	0.5 10
Hexachlorophene.....	00070-30-4	Phenol, 2,2'-methylenebis[3,4,6-trichloro-.....	8270	10
Hexachloropropene.....	01888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro.....	8270	10
2-Hexanone.....	00591-78-6	2-Hexanone.....	8240	50
Indeno(1,2,3-cd)pyrene.....	00193-39-5	Indeno[1,2,3-cd]pyrene.....	8100 8270	200 10
Isobutyl alcohol.....	00078-83-1	1-Propanol, 2-methyl-.....	8015	50
Isodrin.....	00465-73-6	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10- hexachloro-1,4,4a,5,8,8a hexahydro- (1alpha,4alpha,4beta,5beta,8beta-,8beta)-.....	8270	10
Isophorone.....	00078-59-1	2-Cyclohexen-1-one, 3,5,5-trimethyl-.....	8090 8270	60 10
Isosafrole.....	00120-58-1	1,3-Benzodioxole, 5-(1-propenyl)-.....	8270	10
Kepon.....	00143-50-0	1,3,4-Metheno-2H-cyclobuta-[cd]pentalen-2- one,1,1a,3,3a,4,5,5a,5b,6-decachloro-octahydro.....	8270	10
Lead.....	(Total)	Lead.....	6010 7420 7421	40 1,000 10
Mercury.....	(Total)	Mercury.....	7470	2
Methacrylonitrile.....	00126-98-7	2-Propenenitrile, 2-methyl-.....	8015 8240 8270	5 5 10
Methapyrilene.....	00091-80-5	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'- (2-thienylmethyl)-.....	8270	10
Methoxychlor.....	00072-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4- methoxy-.....	8080 8270	2 10
Methyl bromide; Bromomethane.....	00074-83-9	Methane, bromo.....	8010 8240	20 10
Methyl chloride; Chloromethane.....	00074-87-3	Methane, chloro.....	8010 8240	1 10
3-Methylcholanthrene.....	00056-49-5	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl.....	8270	10
Methylene bromide; Dibromomethane.....	00074-95-3	Methane, dibromo.....	8010 8240	15 5
Methylene chloride; Dichloromethane.....	00075-09-2	Methane, dichloro.....	8010 8240	5 5
Methyl ethyl ketone; MEK.....	00078-93-3	2-Butanone.....	8015 8240	10 100
Methyl iodide; Iodomethane.....	00074-88-4	Methane, iodo.....	8010 8240	40 5
Methyl methacrylate.....	00080-62-6	2-Propenoic acid, 2-methyl-, methyl ester.....	8015 8240	2 5
Methyl methanesulfonate.....	00066-27-3	Methanesulfonic acid, methyl ester.....	8270	10
2-Methylnaphthalene.....	00091-57-6	Naphthalene, 2-methyl-.....	8270	10
Methyl parathion; Parathion methyl.....	00298-00-0	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.....	8140 8270	0.5 10
4-Methyl-2-pentanone; Methyl isobutyl ketone.....	00108-10-1	2-Pentanone, 4-methyl-.....	8015 8240	5 50
Naphthalene.....	00091-20-3	Naphthalene.....	8100 8270	200 10
1,4-Naphthoquinone.....	00130-15-4	1,4-Naphthalenedione.....	8270	10
1-Naphthylamine.....	00134-32-7	1-Naphthalenamine.....	8270	10
2-Naphthylamine.....	00091-59-8	2-Naphthalenamine.....	8270	10
Nickel.....	(Total)	Nickel.....	6010 7520	50 400
o-Nitroaniline.....	00088-74-4	Benzenamine, 2-nitro.....	8270	50
m-Nitroaniline.....	00099-09-2	Benzenamine, 3-nitro.....	8270	50

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL µg/L ⁶
p-Nitroaniline	00100-01-6	Benzenamine, 4-nitro	8270	50
Nitrobenzene	00098-95-3	Benzene, nitro	8090 8270	40 10
o-Nitrophenol	00088-75-5	Phenol, 2-nitro	8040 8270	5 10
p-Nitrophenol	00100-02-7	Phenol, 4-nitro	8040 8270	10 50
4-Nitroquinoline 1-oxide	00056-57-5	Quinoline, 4-nitro, 1-oxide	8270	10
N-Nitrosodi-n-butylamine	00924-16-3	1-Butanamine, N-butyl-N-nitroso	8270	10
N-Nitrosodiethylamine	00055-18-5	Ethanamine, N-ethyl-N-nitroso	8270	10
N-Nitrosodimethylamine	00062-75-9	Methanamine, N-methyl-N-nitroso	8270	10
N-Nitrosodiphenylamine	00086-30-6	Benzenamine, N-nitroso-N-phenyl	8270	10
N-Nitrosodipropylamine; Di-n-propylnitrosamine	00621-64-7	1-Propanamine, N-nitroso-N-propyl	8270	10
N-Nitrosomethylethylamine	10595-95-6	Ethanamine, N-methyl-N-nitroso	8270	10
N-Nitrosomorpholine	00059-89-2	Morpholine, 4-nitroso	8270	10
N-Nitrosopiperidine	00100-75-4	Piperidine, 1-nitroso	8270	10
N-Nitrosopyrrolidine	00930-55-2	Pyrrolidine, 1-nitroso	8270	10
5-Nitro-o-toluidine	00099-55-8	Benzenamine, 2-methyl-5-nitro	8270	10
Parathion	00056-38-2	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester	8270	10
Polychlorinated biphenyls; PCBs	See Note 7	1,1'-Biphenyl, chloro derivatives	8080 8260	50 100
Polychlorinated dibenzo-p-dioxins; PCDDs	See Note 8	Dibenzo[b,e][1,4]dioxin, chloro derivatives	8280	0.01
Polychlorinated dibenzofurans; PCDFs	See Note 9	Dibenzofuran, chloro derivatives	8280	0.01
Pentachlorobenzene	00608-93-5	Benzene, pentachloro	8270	10
Pentachloroethane	00076-01-7	Ethane, pentachloro	8240 8270	5 10
Pentachloronitrobenzene	00082-68-8	Benzene, pentachloronitro	8270	10
Pentachlorophenol	00087-86-5	Phenol, pentachloro	8040 8270	5 50
Phenacetin	00062-44-2	Acetamide, N-(4-ethoxyphenyl)	8270	10
Phenanthrene	00085-01-8	Phenanthrene	8100 8270	200 10
Pheno	00108-95-2	Phenol	8040 8270	1 10
p-Phenylenediamine	00106-50-3	1,4-Benzenediamine	8270	10
Phorate	00298-02-2	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	8140 8270	2 10
2-Picoline	00109-06-8	Pyridine, 2-methyl	8240 8270	5 10
Pronamide	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)	8270	10
Propionitrile; Ethyl cyanide	00107-12-0	Propansnitrile	8015 8240	60 5
Pyrene	00129-00-0	Pyrene	8100 8270	200 10
Pyridine	00110-86-1	Pyridine	8240 8270	5 10
Safrole	00094-59-7	1,3-Benzodioxole, 5-(2-propenyl)	8270	10
Selenium	(Total)	Selenium	6010 7740 7741	750 20 20
Silver	(Total)	Silver	6010 7760	70 100
Silvex; 2,4,5-TP	00093-72-1	Propanoic acid, 2-(2,4,5-trichlorophenoxy)	8150	2
Styrene	00100-42-5	Benzene, ethenyl	8020 8240	1 5
Sulfide	18496-25-8	Sulfide	9030	10,000
2,4,5-T; 2,4,5-Trichloro-phenoxyacetic acid	00093-76-5	Acetic acid, (2,4,5-trichlorophenoxy)	8150	2
2,3,7,8-TCDD; 2,3,7,8-Tetrachlorodibenzo-p-dioxin	01746-01-6	Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro	8280	0.005
1,2,4,5-Tetrachlorobenzene	00095-94-3	Benzene, 1,2,4,5-tetrachloro	8270	10
1,1,1,2-Tetrachloroethane	00630-20-6	Ethane, 1,1,1,2-tetrachloro	8010 8240	5 5
1,1,2,2-Tetrachloroethane	00079-34-5	Ethane, 1,1,2,2-tetrachloro	8010 8240	0.5 5
Tetrachloroethylene; Perchloroethylene;	00127-18-4	Ethene, tetrachloro	8010 8240	0.5 5
Tetrachloroethene			8240	5
2,3,4,6-Tetrachlorophenol	00058-90-2	Phenol, 2,3,4,6-tetrachloro	8270	10
Tetraethyl dithiopyrophosphate; Sulfotep	03689-24-5	Thiodiphosphoric acid ((HO)2P(S))2O, tetraethyl ester	8270	10
Thallium	(Total)	Thallium	6010 7840	400 1,000
Tin	(Total)	Tin	7841 7870	10 8,000
Toluene	00108-88-3	Benzene, methyl	8020 8240	2 5
o-Toluidine	00095-53-4	Benzenamine, 2-methyl	8270	10

Common name ²	CAS RN ³	Chemical abstracts service index name ⁴	Suggested methods ⁵	PQL µg/L ⁶
Toxaphene	08001-35-2	Toxaphene	8080	2
			8250	10
1,2,4-Trichlorobenzene	00120-82-1	Benzene, 1,2,4-trichloro	8270	10
1,1,1-Trichloroethane; Methylchloroform	00071-55-6	Ethane, 1,1,1-trichloro	8240	5
1,1,2-Trichloroethane	00079-00-5	Ethane, 1,1,2-trichloro	8010	0.2
			8240	5
Trichloroethylene; Trichloroethene	00079-01-6	Ethene, trichloro-	8010	1
			8240	5
Trichlorofluoromethane	00075-69-4	Methane, trichlorofluoro	8010	10
			8240	5
2,4,6-Trichlorophenol	00095-95-4	Phenol, 2,4,6-trichloro	8270	10
2,4,6-Trichlorophenol	00088-06-2	Phenol, 2,4,6-trichloro	8040	5
			8270	10
1,2,3-Trichloropropane	00096-18-4	Propane, 1,2,3-trichloro	8010	10
			8240	5
O,O,O-Triethyl phosphorothioate	00126-68-1	Phosphorothioic acid, O,O,O-triethyl ester	8270	10
sym-Trinitrobenzene	00099-35-4	Benzene, 1,3,5-trinitro	8270	10
Vanadium	(Total)	Vanadium	6010	80
			7910	2,000
			7911	40
Vinyl acetate	00108-05-4	Acetic acid, ethenyl ester	8240	5
Vinyl chloride	00075-01-4	Ethene, chloro	8010	2
			8240	10
Xylene (total)	01330-20-7	Benzene, dimethyl-	8020	5
			8240	5
Zinc	(Total)	Zinc	6010	20
			7950	50

¹ The regulatory requirements pertain only to the list of substances; the right hand columns (Methods and PQL) are given for informational purposes only. See also footnotes 5 and 6.

² Common names are those widely used in government regulations, scientific publications and commerce; synonyms exist for many chemicals.

³ Chemical Abstracts Service registry number. Where 'Total' is entered, all species in the groundwater that contain this element are included.

⁴ CAS index names are those used in the 9th Cumulative Index.

⁵ Suggested Methods refer to analytical procedure numbers used in EPA Report SW-846 'Test Methods for Evaluating Solid Waste', third edition, November 1986. Analytical details can be found in SW-846 and in documentation on file with EPA. CAUTION: The methods listed are representative SW-846 procedures and may not always be the most suitable methods for monitoring an analyte under the regulations. Note: The publication SW-846 may be obtained from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
(703) 487-4600

This publication is available for inspection at the offices of the department, the secretary of state and the revisor of statutes.

⁶ Practical Quantitation Limits (PQLs) are the lowest concentrations of analytes in groundwaters that can be reliably determined within specified limits of precision and accuracy by the indicated methods under routine laboratory operating conditions. The PQLs listed are generally stated to one significant figure. CAUTION: The PQL values in many cases are based only on a general estimate for the method and not on a determination for individual compounds; PQLs are not a part of the regulation.

⁷ Polychlorinated biphenyls (CAS RN 01336-36-3); this category contains congener chemicals, including constituents of Aroclor-1016 (CAS RN 12674-11-2), Aroclor-1221 (CAS RN 11104-28-2), Aroclor-1232 (CAS RN 11141-16-5), Aroclor-1242 (CAS RN 53469-21-9), Aroclor-1248 (CAS RN 12672-29-6), Aroclor-1254 (CAS RN 11097-69-1) and Aroclor-1260 (CAS RN 11096-82-5). The PQL shown is an average value for PCB congeners.

⁸ This category contains congener chemicals, including tetrachlorodibenzo-p-dioxins (see also 2,3,7,8-TCDD), pentachlorodibenzo-p-dioxins and hexachlorodibenzo-p-dioxins. The PQL shown is an average value for PCDD congeners.

⁹ This category contains congener chemicals, including tetrachlorodibenzofurans, pentachlorodibenzofurans and hexachlorodibenzofurans. The PQL shown is an average value for PCDF congeners.