

## Chapter NR 635

APPENDIX I  
GROUNDWATER MONITORING LIST<sup>1</sup>

Common name <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL (µg/L) <sup>6</sup>
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	00309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro- 1,4,4a,5,8,8a-hexahydro- (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-	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 8270	300 2,000 30 10
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 <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL µg/L <sup>6</sup>
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	Benzenoacetic 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	00067-66-3	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
Coppe	(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 8270	2 5 10 10
m-Dichlorobenzene	00541-73-1	Benzene, 1,3-dichloro-	8010 8020 8120 8270	5 5 10 10

Common name <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL µg/L <sup>6</sup>
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	00075-71-8	Methane, dichlorodifluoro-	8010 8240	10 5
1,1-Dichloroethane	00075-34-3	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	00075-35-4	Ethene, 1,1-dichloro-	8010 8240	1 5
trans-1,2-Dichloroethylene	00156-60-5	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, 7alpha)-	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 Dimethoate	00297-97-2	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	8270	10
	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	Benzo[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	Benzenecethanamine, 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
8270	10			
2,6-Dinitrotoluene	00606-20-2	Benzene, 2-methyl-1,3-dinitro-	8090	0.1
8270	10			
Dinoseb; DNP; 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, 7alpha)-	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 <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL µg/L <sup>6</sup>
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	00206-44-0	Fluoranthene	8100	200
Fluorene	00086-73-7	9H-Fluorene	8270 8100	10 200
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-, (1aalpha, 1bbeta, 2alpha, 5alpha, 5abeta, 6beta, 6aalpha)	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,4abeta,5beta,8beta,-8abeta)-	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
Kepone	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	5 5
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[ <i>j</i> ]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 <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL µg/L <sup>6</sup>
p-Nitroaniline	00100-01-6	Benzenamine, 4-nitro	8270	50
Nitrobenzene	00098-95-3	Benzene, nitro	8090	40
			8270	10
o-Nitrophenol	00088-75-5	Phenol, 2-nitro	8040	5
			8270	10
p-Nitrophenol	00100-02-7	Phenol, 4-nitro	8040	10
			8270	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	50
			8250	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	5
			8270	10
Pentachloronitrobenzene	00082-68-8	Benzene, pentachloronitro	8270	10
Pentachlorophenol	00087-86-5	Phenol, pentachloro	8040	5
			8270	50
Phenacetin	00062-44-2	Acetamide, N-(4-ethoxyphenyl)	8270	10
Phenanthrene	00085-01-8	Phenanthrene	8100	200
			8270	10
Pheno	00108-95-2	Phenol	8040	1
			8270	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	2
			8270	10
2-Picoline	00109-06-8	Pyridine, 2-methyl	8240	5
			8270	10
Pronamide	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	8270	10
Propionitrile; Ethyl cyanide	00107-12-0	Propanenitrile	8015	60
			8240	5
Pyrene	00129-00-0	Pyrene	8100	200
			8270	10
Pyridine	00110-86-1	Pyridine	8240	5
			8270	10
Safrole	00094-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	8270	10
Selenium	(Total)	Selenium	6010	750
			7740	20
			7741	20
Silver	(Total)	Silver	6010	70
			7760	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	1
			8240	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	5
			8240	5
1,1,2,2-Tetrachloroethane	00079-34-5	Ethane, 1,1,2,2-tetrachloro	8010	0.5
			8240	5
Tetrachloroethylene; Perchloroethylene;	00127-18-4	Ethene, tetrachloro	8010	0.5
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	400
			7840	1,000
			7841	10
Tin	(Total)	Tin	7870	8,000
Toluene	00108-88-3	Benzene, methyl	8020	2
			8240	5
o-Toluidine	00095-53-4	Benzenamine, 2-methyl	8270	10

Common name <sup>2</sup>	CAS RN <sup>3</sup>	Chemical abstracts service index name <sup>4</sup>	Suggested methods <sup>5</sup>	PQL µg/L <sup>6</sup>
Toxaphene	08001-35-2	Toxaphene	8080	2
1,2,4-Trichlorobenzene	00120-82-1	Benzene, 1,2,4-trichloro-	8250	10
1,1,1-Trichloroethane; Methylchloroform	00071-55-6	Ethane, 1,1,1-trichloro-	8270	10
1,1,2-Trichloroethane	00079-00-5	Ethane, 1,1,2-trichloro-	8240	5
			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
2,4,5-Trichlorophenol	00095-95-4	Phenol, 2,4,5-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

<sup>1</sup> 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.

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

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

<sup>4</sup> CAS index names are those used in the 9th Cumulative Index.

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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.

<sup>8</sup> 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.

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