

## Appendix II

Compound: <sup>1</sup>	CAS RN: <sup>2</sup>
1) Acenaphthene; 1,2-Dihydroacenaphthylene	83-32-9
2) Acenaphthylene	208-96-8
3) Acetone; 2-Propanone	67-64-1
4) Acetonitrile; Methyl cyanide	75-05-8
5) Acetophenone; 1-Phenylethanone	98-86-2
6) 2-Acetylaminoflourene; 2-AAF; N-9H-flouren-2-yl-acetamide	53-96-3
7) Acrolein; 2-Propenal	107-02-8
8) Acrylonitrile; 2-Propenenitrile	107-13-1
9) Aldrin; 1,2,3,4,10,10-hexachlora-1,4,4a,5,8,8ahexahydro(1a,4a,4ab,5a,8a,8ab)-1,4:5,8- Dimethanonaphthalene	309-00-23
10) Allyl chloride; 3-Chloro-1-propene	107-05-1
11) 4-Aminobiphenyl; [1,1'-Biphenyl]-4-amine	92-67-1
12) Anthracene	120-12-7
13) Antimony <sup>4</sup>	7440-36-0
14) Arsenic <sup>4</sup>	7440-38-2
15) Barium <sup>4</sup>	7440-39-3
16) Benzene	71-43-2
17) Benzo[a]anthracene; Benzanthracene	56-55-3
18) Benzo[b]flouranthene; Benz[e]jacephenanthylene	205-99-2
19) Benzo[k]flouranthene	207-08-9
20) Benzo[ghi]perylene	191-24-2
21) Benzo[a]pyrene	50-32-8
22) Benzyl alcohol; Benzenemethanol	100-51-6
23) Beryllium <sup>4</sup>	7440-41-7
24) alpha-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (1a,2a,3b,4a,5b,6b)	319-84-63
25) beta-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (1a,2b,3a,4b,5a,6b)	319-85-73
26) delta-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane, (1a,2a,3a,4b,5a,6b)	319-86-83
27) gamma-BHC; Lindane; 1,2,3,4,5,6-Hexachlorocyclo hexane, (1a,2a,3b,4a,5a, 6b)	58-89-9
28) bis (2-Chloroethoxy)methane; 1,1'- [methylenebis(oxy)] bis[2-chloroethane]	111-91-1
29) bis(2-Chloroethyl) ether; Dichloroethyl ether; 1,1'-oxybis[2-Chloroethane]	111-44-4
30) bis-(2-Chloro-1-methylethyl) Ether; 2,2'-Dichlorodi-isopropyl ether; DCIP; 2,2'-oxybis[1-Chloropropane]	108-60-1

31) bis(2-Ethylhexyl) Phthalate; 1,2-Benzenedicarboxylic acid, bis(2-Ethylhexyl) ester	117-81-7
32) Bromochloromethane; Chlorobromomethane	74-97-5
33) Bromodichloromethane; Dibromochloromethane	75-27-4
34) Bromoform; Tribromomethane	75-25-2
35) 4-Bromophenyl phenyl ether; 1-Bromo-4-phenoxy-benzene	101-55-3
36) Butyl benzyl phthalate; Benzyl butyl phthalate; 1,2-Benzenedicarboxylic acid, Butyl phenylmethyl ester	85-68-7
37) Cadmium <sup>4</sup>	7440-43-9
38) Carbon disulfide	75-15-0
39) Carbon tetrachloride; Tetrachloromethane	56-23-5
40) Chlordane; 1,2,4,5,6,8,8-octochloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene.	See note 6
41) p-Chloroaniline; 4-Chlorobenzenamine	106-47-8
42) Chlorobenzene	108-90-7
43) Chlorobenzilate; 4-Chloro-a-(4-Chlorophenyl)-a-Hydroxybenzeneacetic acid, Ethyl ester	510-15-6
44) p-Chloro-m-Cresol; 4-Chloro-3-Methylphenol	59-50-7
45) Chloroethane; Ethyl chloride	75-00-3
46) Chloroform; Trichloromethane	67-66-3
47) 2-Chloronaphthalene	91-58-7
48) 2-Chlorophenol	95-57-8
49) 4-Chlorophenyl phenyl ether; 1-Chloro-4-phenoxy benzene	7005-72-3
50) Chloroprene; 2-Chloro-1,3-butadiene	126-99-8
51) Chromium <sup>4</sup>	7440-47-3
52) Chrysene	218-01-9
53) Cobalt <sup>4</sup>	
54) Copper <sup>4</sup>	7440-50-8
55) m-Cresol; 3-Methylphenol	108-39-4
56) o-Cresol; 2-Methylphenol	95-48-7
57) p-Cresol; 4-Methylphenol	106-44-5
58) Cyanide	57-12-5
59) 2,4-D; 2,4-Dichlorophenoxyacetic acid	94-75-7
60) 4,4'-DDD; 1,1'-(2,2-Dichloroethylidene)bis [4-chlorobenzene]	72-54-8
61) 4,4'-DDE; 1,1'-(2,2-Dichloroethylenylidene)bis [4-chlorobenzene]	72-55-9
62) 4,4'-DDT; 1,1'-(2,2,2-Trichloroethylidene)bis [4-chlorobenzene]	50-29-3

63) Diallate; bis(1-Methylethyl)-carbamoithic acid S-(2,3-Dichloro-2-propenyl) ester	2303-16-4
64) Dibenz [a, h] anthracene	53-70-3
65) Dibenzofuran	132-64-9
66) Dibromocholormethane; Chlorodibromomethane	124-48-1
67) 1,2-Dibromo-3-chloropropane; DBCP	96-12-8
68) 1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4
69) Di-n-butyl phthalate; 1,2-Benzenedicarboxylic acid dibutyl ester	84-74-2
70) o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
71) m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1
72) p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
73) 3,3'-Dichlorobenzidine; 3,3' -Dichloro-[1,1' -bi phenyl]-4,4' -diamine	91-94-1
74) trans-1, 4-Dichloro-2-butene	110-57-6
75) Dichlorodifluoromethane; CFC 12	75-71-8
76) 1,1-Dichloroethane; Ethylidene chloride	75-34-3
77) 1,2-Dichloroethane; Ethylene dichloride	107-06-2
78) 1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4
79) cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	156-59-2
80) trans-1,2-Dichloroethylene; trans-1,2-Dichloro ethene	156-60-5
81) 2, 4-Dichlorophenol	120-83-2
82) 2, 6-Dichlorophenol	87-65-0
83) 1,2-Dichloropropane; Propylene dichloride	78-87-5
84) 1,3-Dichloropropane; Trirnethylene dichloride	142-28-9
85) 2,2-Dichloropropane; Isopropylidene chloride	594-20-7
86) 1,1-Dichloropropene; 1,1-Dichloro-1-propene	563-58-6
87) cis-1, 3-Dichloropropene;	10061-01-5
88) trans-1, 3-Dichloropropene	10061-02-6
89) Dieldrin; 3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a, 7,7a-octahydro-2,7:3,6-dirnethanonaphthalene [2,3-b]oxirene, (1aa,2b,2aa,3b,6b,6aa,7b,7aa)	60-57-1
90) Diethyl phthalate; 1,2-Benzenedicarboxylic acid, Diethyl ester	84-66-2
91) 0,0-Diethyl 0-2-Pyrazinyl phosphorothioate; Thionazin	297-97-2
92) Dirnethoate; Phosphorodithoic acid 0,0-Dimethyl-S-[2- (rnethylamino) -2-oxoethyl] ester	60-51-5
93) p-(Dimethylamino)azobenzene; N,N-Dimethyl-4-(phenylazo)benzenamine	60-11-7
94) 7, 12-Dimethylbenz [a] anthracene	57-97-6
95) 3,3'-Dirnethylbenzidine; 3,3'-Dirnethyl[1,1' biphenyl]-4,4'-diarnine	119-93-7

96) 2, 4-Dirnethylphenol; m-Xylenol	105-67-9
97) Dimethyl phthalate; 1,2-Benzenedicarboxylic acid, dimethyl ester	131-11-3
98) m-Dinitrobenzene	99-65-0
99) 4,6-Dinitro-o-cresol; 4,6-Dinitro-2-rnethylphenol; 2-Methyl 4,6-dinitrophenol	534-52-1
100) 2,4-Dinitrophenol	51-28-5
101) 2,4-Dinitrotoluene; l-Methyl-2,4-dinitrobenzene	121-14-2
102) 2,6-Dinitrotoluene; 2-Methyl-1,3-dinitrobenzene	606-20-2
103) Dinoseb; DMBP; 2-sec-Butyl-4,6-dinitrophenol; 2-(1-Methylpropyl) - 4,5-dinitrophenol	88-85-7
104) Di-n-octyl phthalate; 1,2-Benzenedicarboxylic acid, Dioctyl ester	117-84-0
105) Diphenylarnine; N-phenylbenzenamine	122-39-4
106) Disulfoton; Phosphorodithioic acid 0,0-diethyl8- [2- (ethylthio)ethyl] ester	298-04-4
107) Endosulfan I; 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9, 9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin, 3-oxide	959-98-8
108) Endosulfan II, 6, 7, 8, 9, 10, 10-Hexachloro-1, 5, 5a, 6, 9, 9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin, 3-oxide (3a, 5aa, 6b, 9b, 9aa)	33213-65-93
109) Endosulfan sulfate; 6,7,8,9,10,10-hexachloro-1,5,5a,6,9, 9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin, 3-3-dioxide	1031-07-8
110) Endrin; 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3, 6-dimethanonaphth[2,3-tahydro-b] oxirene, (1aa,2b,2ab,3a,6a,6ab,7b,7aa)	72-20-8
111) Endrin aldehyde; 2,2a,3,3,4,7-hexachlorodecahydro-1, 2,4-methenocyclopenta[cd]pentalene-5-carboxaldehyde, (1a,2b,2ab,4b,4ab,5b,6ab,6bb,7r*)	7421-93-4
112) Ethylbenzene	100-41-4
113) Ethyl methacrylate; 2-Methyl-2-propenoic acid, ethyl ester	97-63-2
114) Ethyl methanesulfonate; Methanesulfonic acid, ethyl ester	62-50-0
115) Famphur; Phosphorothioic acid, 0-[4-[(dimethylamino) sulfonyl]phenyl]O,O-dimethyl ester	52-85-7
116) Flouranthene	206-44-0
117) Flourene; 9H-flourene	86-73-7
118) Heptachlor; 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene	76-44-8
119) Heptachlor epoxide; 2,3,4,5,6,7,7-Heptachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2h-indeno [1,2-b] oxirene, (1aa,1bb,2a,5a,5ab,6b,6aa)	1024-57-3
120) Hexachlorobenzene	118-74-1

121) Hexachlorobutadiene; 1,1,2,3,4,4-Hexachloro-1,3-butadiene	87-68-3
122) Hexachlorocyclopentadiene; 1,2,3,4,5,5-Hexachloro-1, 3-cyclopentadiene	77-47-4
123) Hexachloroethane	67-72-1
124) Hexachloropropene; 1,1,2,3,3,3-Hexachloro-1-propene	1888-71-7
125) 2-Hexanone; Methyl butyl ketone	591-78-6
126) Indeno(1,2,3-cd)pyrene	193-39-5
127) Isobutyl alcohol;2-Methyl-1-propanol	78-83-1
128) Isodrin; 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-dimethanonaphthalene, (1a,4a,4ab,5b,8b,8ab)	465-73-6
129) Isophorone; 3, 5, 5-Trimethyl-2-cyclohexen-1-one	78-59-1
130) Isosafrole; 5-(1-Propenyl)-1,3-benzodioxole	120-58-1
131) Kepone; 1,1a,3,3a,4,5,5a,5b,6-decachloroocta hydro-1,3,4-methano-2H-cyclobuta[cd9]pentalen-2-one	143-50-0
132) Lead <sup>4</sup>	7439-92-1
133) Mercury <sup>4</sup>	Total
134) Methacrylonitrile; 2-Methyl-2-propenenitrile	126-98-7
135) Methapyrilene; N,N-dimethyl-N'-2-pyridinyl-N'-/2-thienylmethyl)-1,2-ethanediamine	91-80-5
136) Methoxychlor; 1,1'-(2,2,2-Trichloroethylidene)bis [4-Methoxybenzene]	72-43-5
137) Methyl bromide; Bromomethane	74-83-9
138) Methyl chloride; Chloromethane	74-87-3
139) 3-Methylcholanthrene; 1,2-Dihydro-3-methylbenze [j] aceanthrylene	56-49-5
140) Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
141) Methyl iodide; Iodomethane	74-88-4
142) Methyl methacrylate; 2-Methyl-2-propenoic acid, methyl ester	80-62-6
143) Methyl methanesulfonate; Methanesulfonic acid, methyl ester	66-27-3
144) 2-Methylnaphthalene	91-57-6
145) Methyl parathion; Parathion methyl; Phosphorothioic acid, 0,0-dimethyl 0-(4-nitrophenyl) ester	298-00-0
146) 4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
147) Methylene bromide; Dibromomethane	74-95-3
148) Methylene chloride; Dichloromethane	75-09-2
149) Naphthalene	91-20-3
150) 1,4 Naphthoquinone; 1,4-Naphthalenedione	130-15-4
151) 1-Naphthylamine; 1-Naphthalenamine	134-32-7
152) 2-Naphthylamine; 2-Naphthalenamine	91-59-8

153) Nickel <sup>4</sup>	7440-02-0
154) o-Nitroaniline; 2-Nitroaniline; 2-Nitrobenzenamine	88-74-4
155) m-Nitroaniline; 3-Nitroaniline; 3-Nitrobenzenamine	99-09-2
156) p-Nitroaniline; 4-Nitroaniline; 4-Nitrobenzenamine	100-01-6
157) Nitrobenzene	98-95-3
158) o-Nitrophenol; 2-Nitrophenol	88-75-5
159) p-Nitrophenol; 4-Nitrophenol	100-02-7
160) N-Nitrosodi-n-butylamine; N-Butyl-N-Nitroso-1-butanamine	924-16-3
161) N-Nitrosodiethylamine; N-Ethyl-N-nitroso ethanamine	55-18-5
162) N-Nitrosodimethylamine; N-Methyl-N-nitroso methanamine	62-75-9
163) N-Nitrosodiphenylamine; N-Nitroso-N-phenyl benzenamine	86-30-6
164) N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; di-n-propylnitrosamine; N-Nitroso-N-propyl-1-propanamine	621-64-7
165) N-Nitrosomethylethylamine; N-Methyl-N-nitroso ethanamine	10595-95-6
166) N-Nitrosopiperidine; 1-Nitrosopiperidine	100-75-4
167) N-Nitrosopyrrolidine; 1-Nitrosopyrrolidine	930-55-2
168) 5-Nitro-o-toluidine; 2-Methyl-5-nitrobenzenamine	99-55-8
169) Parathion; Phosphorothioic acid, 0,0-diethyl 0-(4-nitrophenyl) ester	56-38-2
170) Pentachlorobenzene	608-93-5
171) Pentachloronitrobenzene	82-68-8
172) Pentachlorophenol	87-86-5
173) Phenacetin; N-(4-Ethoxyphenyl) acetamide	62-44-2
174) Phenanthrene	85-01-8
175) Phenol	108-95-2
176) p-Phenylenediamine; 1,4-Benzenediamine	106-50-3
177) Phorate; Phosphorodithioic acid, 0,0-Diethyl S-[ (ethylthio) methyl] ester	298-02-2
178) Polychlorinated biphenyls; PCBs; aroclors; 1,1'-Biphenyl, chloro derivatives	See note 7
179) Pronamide; 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide	23950-58-5
180) Propionitrile; Ethyl cyanide	107-12-0
181) Pyrene	129-00-0
182) Safrole; 5-(2-Propenyl)-1,3-benzodioxole	94-59-7
183) Selenium <sup>4</sup>	7782-49-2
184) Silver <sup>4</sup>	Total
185) Silvex; 2,4,5-TP; 2-(2,4,5-Trichlorophenoxy)propanoic acid	93-72-1
186) Styrene; Ethenylbenzene	100-42-5

187) Sulfide	18496-25-8
188) 2,4,5-T; 2,4,5-Trichlorophenoxyacetic acid	93-76-5
189) 1, 2, 4, 5-Tetrachlorobenzene; 2,3,7,8-TCDD; 2,3,7,8-Tetrachlorodibenzo- p-dioxin 1746-01-6 Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro-	95-94-3
190) 1,1,1,2-Tetrachloroethane	630-20-6
191) 1,1,2,2-Tetrachloroethane	79-34-5
192) Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4
193) 2,3,4,6-Tetrachlorophenol	58-90-2
194) Thallium <sup>4</sup>	7440-28-0
195) Tin <sup>4</sup>	Total
196) Toluene; Methylbenzene	108-88-3
197) o-Toluidine; 2-Methylbenzenamine	95-53-4
198) Toxanhene	See note 8
199) 1,2,4-Trichlorobenzene	120-82-1
200) 1,1,1-Trichloroethane; Methylchloroform	71-55-6
201) 1, 1, 2-Trichloroethane	79-00-5
202) Trichloroethylene; Trichloroethene	79-01-6
203) Trichlorofluoromethane; CFC-11	75-69-4
204) 2,4,5-Trichlorophenol	95-95-4
205) 2,4,6-Trichlorophenol	88-06-2
206) 1, 2, 3-Trichloropropane	96-18-4
207) o,o,o-Triethyl phosphorothioate; Phosphorothioic acid, o,o,o-triethyl ester	126-68-1
208) sym-Trinitrobenzene; 1,3,5-Trinitrobenzene	99-35-4
209) Vanadium <sup>4</sup>	7440-62-2
210) Vinyl acetate; Acetic acid, ethenyl ester	108-05-4
211) Vinyl chloride; Chloroethene	75-01-4
212) Xylene (total); Dimethylbenzene	See note 9
213) Zinc <sup>4</sup>	7440-66-6

Note 1: Common names are those widely used in government regulation, scientific publications, and commerce; synonyms exist for many chemicals.

Note 2: Chemical Abstract Service registry number. Where "total" is entered, all species in ground water that contain this element are included.

Note 3: When numbers and letters appear in this form at the end of a chemical name, i.E. (1a,4a,4aB,5a,8a,8aB), the following applies: "a" =small case "a"; "a" (italic) =alpha; "b" = small case "b"; and "B" (italic) = beta.

Note 4: Analysis for these compounds shall be representative of the quality background ground water that has not been affected by past or present operations at the sanitary landfill facility and representative of the quality of ground water passing directly downgradient of the limits of solid waste placement.

Note 5: CAS No. 108-60-1. This substance is often called bis(2-Chloroisopropyl) ether, the name Chemical Abstracts Service applies to its commercial isomer, propane, 2, 2" -oxybis [2-Chloro-CAS RN 39638-32-9) .

Note 6: Chlordane: This entry includes alpha-chlordane (CAS RN 5103-71-9), beta-Chlordane (CAS RN 5103-74-2), gamma-Chlordane (CAS RN 5566-34-7), and constituents of Chlordane (CAS RN 57-74-9 and CAS RN 12789-03-06).

Note 7: Polychlorinated biphenols (CAS RN 1336-36-3); 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).

Note 8: Toxaphene: This entry includes congener chemicals contained in technical toxaphene (CAS RN 8001-35-2), i.e., chlorinated camphene.

Note 9: Xylene (total) : This entry includes a-xylene (CAS RN 96-47-6), m-xylene (CAS RN 108-38-3), p-xylene (CAS RN 106-42-3), and unspecified xylenes (dimethylbenzenes) (CAS RN 1330-20-7).