

*** DRAFT – NOT FOR FILING ***

3745-506-804 [Sanitary landfill facility - ground water assessment parameter list.](#)

[This rule contains the common names of constituents that are widely used in government regulation, scientific publications, and commerce. However, synonyms may exist for many constituents. The chemical abstract service registry number \(CAS RN\) for each constituent has been provided.](#)

[\(A\) Metals. The metals include all species in ground water that contain the element.](#)

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Parameter	CAS RN
1) Antimony	7440-36-0
2) Arsenic	7440-38-2
3) Barium	7440-39-3
4) Beryllium	7440-41-7
5) Cadmium	7440-43-9
6) Chromium	7440-47-3
7) Cobalt	7440-48-4
8) Copper	7440-50-8
9) Lead	7439-92-1
10) Mercury	7439-97-6
11) Nickel	7440-02-0
12) Selenium	7782-49-2
13) Silver	7440-22-4
14) Thallium	7440-28-0
15) Tin	7440-31-5
16) Vanadium	7440-62-2
17) Zinc	7440-66-6

[\(B\) Other inorganic parameters.](#)

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Parameter	CAS RN
18) Cyanide (free)	57-12-5
19) Sulfide	18496-25-8

[\(C\) Volatile organic compounds.](#)

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Parameter	CAS RN
20) Acetone; 2-Propanone	67-64-1
21) Acrylonitrile; 2-Propenenitrile	107-13-1
22) Benzene	71-43-2

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23) Bromochloromethane; Chlorobromomethane	74-97-5
24) Bromodichloromethane; Dibromochloromethane	75-27-4
25) Bromoform; Tribromomethane	75-25-2
26) Carbon disulfide	75-15-0
27) Carbon tetrachloride; Tetrachloromethane	56-23-5
28) Chlorobenzene	108-90-7
29) Chloroethane; Ethyl chloride	75-00-3
30) Chloroform; Trichloromethane	67-66-3
31) Dibromochloromethane; Chlorodibromomethane	124-48-1
32) 1,2-Dibromo-3-chloropropane; DBCP	96-12-8
33) 1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4
34) o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
35) m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1
36) p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
37) trans-1,4-Dichloro-2-butene	110-57-6
38) Dichlorodifluoromethane; CFC 12	75-71-8
39) 1,1-Dichloroethane; Ethylidene chloride	75-34-3
40) 1,2-Dichloroethane; Ethylene dichloride	107-06-2
41) 1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4
42) cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	156-59-2
43) trans-1,2-Dichloroethylene; trans-1,2-Dichloro ethene	156-60-5
44) 1,2-Dichloropropane; Propylene dichloride	78-87-5
45) 1,3-Dichloropropane; Trimethylene dichloride	142-28-9
46) 2,2-Dichloropropane; Isopropylidene chloride	594-20-7
47) 1,1-Dichloropropene; 1,1-Dichloro-1-propene	563-58-6
48) cis-1,3-Dichloropropene	10061-01-5
49) trans-1,3-Dichloropropene	10061-02-6
50) Ethylbenzene	100-41-4
51) 2-Hexanone; Methyl butyl ketone	591-78-6
52) Methyl bromide; Bromomethane	74-83-9
53) Methyl chloride; Chloromethane	74-87-3
54) Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
55) Methyl iodide; Iodomethane	74-88-4
56) 4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
57) Methylene bromide; Dibromomethane	74-95-3
58) Methylene chloride; Dichloromethane	75-09-2
59) Styrene; Ethenylbenzene	100-42-5
60) 1,1,1,2-Tetrachloroethane	630-20-6
61) 1,1,2,2-Tetrachloroethane	79-34-5
62) Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4
63) Toluene; Methylbenzene	108-88-3
64) 1,2,4-Trichlorobenzene	120-82-1
65) 1,1,1-Trichloroethane; Methylchloroform	71-55-6
66) 1,1,2-Trichloroethane	79-00-5

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67) Trichloroethylene; Trichloroethene	79-01-6
68) Trichlorofluoromethane; CFC-11	75-69-4
69) 1,2,3-Trichloropropane	96-18-4
70) Vinyl acetate; Acetic acid ethenyl ester	108-05-4
71) Vinyl chloride; Chloroethene	75-01-4
72) Xylene (total); Dimethylbenzene	See note 1

(D) [Semi-volatile organic compounds.](#)

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Parameter	CAS RN
73) Acenaphthene; 1,2-Dihydroacenaphthylene	83-32-9
74) Acenaphthylene	208-96-8
75) Acetonitrile; Methyl cyanide	75-05-8
76) Acetophenone; 1-Phenylethanone	98-86-2
77) 2-Acetylaminoflourene; 2-AAF; N-9H-flouren-2-yl-acetamide	53-96-3
78) Acrolein; 2-Propenal	107-02-8
79) Allyl chloride; 3-Chloro-1-propene	107-05-1
80) 4-Aminobiphenyl; [1,1'-Biphenyl]-4-amine	92-67-1
81) Anthracene	120-12-7
82) Benzo[a]anthracene; Benzanthracene	56-55-3
83) Benzo[b]flouranthene; Benz[e]acephenanthylene	205-99-2
84) Benzo[k]flouranthene	207-08-9
85) Benzo[ghi]perylene	191-24-2
86) Benzo[a]pyrene	50-32-8
87) Benzyl alcohol; Benzenemethanol	100-51-6
88) bis(2-Chloroethoxy)methane; 1,1'-[methylenebis(oxy)]bis[2-chloroethane]	111-91-1
89) bis(2-Chloroethyl) ether; Dichloroethyl ether;1,1'-oxybis[2-Chloroethane]	111-44-4
90) bis-(2-Chloro-1-methylethyl) Ether; 2,2'-Dichloro-diisopropyl ether; DCIP; 2,2'-oxybis[1-Chloropropane]	108-60-1
91) bis(2-Ethylhexyl) Phthalate; 1,2-Benzenedicarboxylicacid, bis(2-Ethylhexyl) ester	117-81-7
92) 4-Bromophenyl phenyl ether; 1-Bromo-4-phenoxy-benzene	101-55-3
93) Butyl benzyl phthalate; Benzyl butyl phthalate; 1,2-Benzenedicarboxylic acid, Butyl phenylmethyl ester	85-68-7
94) p-Chloroaniline; 4-Chlorobenzenamine	106-47-8
95) Chlorobenzilate; 4-Chloro-a-(4-Chlorophenyl)-a-hydroxybenzeneacetic acid, Ethyl ester	510-15-6
96) p-Chloro-m-Cresol; 4-Chloro-3-Methylphenol	59-50-7
97) 2-Chloronaphthalene	91-58-7
98) 2-Chlorophenol	95-57-8
99) 4-Chlorophenyl phenyl ether; 1-Chloro-4-phenoxy benzene	7005-72-3
100) Chloroprene; 2-Chloro-1,3-butadiene	126-99-8

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101) Chrysene	218-01-9
102) m-Cresol; 3-Methylphenol	108-39-4
103) o-Cresol; 2-Methylphenol	95-48-7
104) p-Cresol; 4-Methylphenol	106-44-5
105) Dibenz[a,h]anthracene	53-70-3
106) Dibenzofuran	132-64-9
107) Di-n-butyl phthalate; 1,2-Benzenedicarboxylic acid dibutyl ester	84-74-2
108) 3,3'-Dichlorobenzidine; 3,3'-Dichloro-[1,1'-biphenyl]-4,4'-diamine	91-94-1
109) 2,4-Dichlorophenol	120-83-2
110) 2,6-Dichlorophenol	87-65-0
111) Diethyl phthalate; 1,2-Benzenedicarboxylic acid, Diethyl ester	84-66-2
112) O,O-Diethyl O-2-Pyrazinyl phosphorothioate; Thionazin	297-97-2
113) Dimethoate; Phosphorodithioic acid O,O-Dimethyl-S-[2-(methylamino)-2-oxoethyl] ester	60-51-5
114) p-(Dimethylamino)azobenzene; N,N-Dimethyl-4-(phenylazo)benzenamine	60-11-7
115) 7,12-Dimethylbenz[a]anthracene	57-97-6
116) 3,3'-Dimethylbenzidine; 3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diamine	119-93-7
117) 2,4-Dimethylphenol; m-Xylenol	105-67-9
118) Dimethyl phthalate; 1,2-Benzenedicarboxylic acid, dimethyl ester	131-11-3
119) m-Dinitrobenzene	99-65-0
120) 4,6-Dinitro-o-cresol; 4,6-Dinitro-2-methylphenol; 2-Methyl-4,6-dinitrophenol	534-52-1
121) 2,4-Dinitrophenol	51-28-5
122) 2,4-Dinitrotoluene; 1-Methyl-2,4-dinitrobenzene	121-14-2
123) 2,6-Dinitrotoluene; 2-Methyl-1,3-dinitrobenzene	606-20-2
124) Di-n-octyl phthalate; 1,2-Benzenedicarboxylic acid, Dioctyl ester	117-84-0
125) Diphenylamine; N-phenylbenzenamine	122-39-4
126) Disulfoton; Phosphorodithioic acid O,O-diethylS-[2-(ethylthio)ethyl] ester	298-04-4
127) Ethyl methacrylate; 2-Methyl-2-propenoic acid, ethyl ester	97-63-2
128) Ethyl methanesulfonate; Methanesulfonic acid, ethyl ester	62-50-0
129) Flouranthene	206-44-0
130) Flourene; 9H-flourene	86-73-7
131) Hexachlorobenzene	118-74-1
132) Hexachlorobutadiene; 1,1,2,3,4,4-Hexachloro-1,3-butadiene	87-68-3
133) Hexachlorocyclopentadiene; 1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	77-47-4
134) Hexachloroethane	67-72-1
135) Hexachloropropene; 1,1,2,3,3,3-Hexachloro-1-propene	1888-71-7
136) Indeno(1,2,3-cd)pyrene	193-39-5
137) Isobutyl alcohol; 2-Methyl-1-propanol	78-83-1
138) Isophorone; 3,5,5-Trimethyl-2-cyclohexen-1-one	78-59-1
139) Isosafrole; 5-(1-Propenyl)-1,3-benzodioxole	120-58-1

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140) Methacrylonitrile; 2-Methyl-2-propenenitrile	126-98-7
141) Methapyrilene; N,N-dimethyl-N'-2-pyridinyl-N'-(1/2-thienylmethyl)-1,2-ethanediamine	91-80-5
142) Methoxychlor; 1,1'-(2,2,2-Trichloroethylidene)bis [4-Methoxybenzene]	72-43-5
143) Methyl methacrylate; 2-Methyl-2-propenoic acid, methyl ester	80-62-6
144) Methyl methanesulfonate; Methanesulfonic acid, methyl ester	66-27-3
145) 2-Methylnaphthalene	91-57-6
146) Naphthalene	91-20-3
147) 1,4-Naphthoquinone; 1,4-Naphthalenedione	130-15-4
148) 1-Naphthylamine; 1-Naphthalenamine	134-32-7
149) 2-Naphthylamine; 2-Naphthalenamine	91-59-8
150) o-Nitroaniline; 2-Nitroaniline; 2-Nitrobenzenamine	88-74-4
151) m-Nitroaniline; 3-Nitroaniline; 3-Nitrobenzenamine	99-09-2
152) p-Nitroaniline; 4-Nitroaniline; 4-Nitrobenzenamine	100-01-6
153) Nitrobenzene	98-95-3
154) o-Nitrophenol; 2-Nitrophenol	88-75-5
155) p-Nitrophenol; 4-Nitrophenol	100-02-7
156) N-Nitrosodi-n-butylamine; N-Butyl-N-Nitroso-1-butanamine	924-16-3
157) N-Nitrosodiethylamine; N-Ethyl-N-nitroso-ethanamine	55-18-5
158) N-Nitrosodimethylamine; N-Methyl-N-nitroso-methanamine	62-75-9
159) N-Nitrosodiphenylamine; N-Nitroso-N-phenylbenzenamine	86-30-6
160) N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; di-n-propylnitrosamine; N-Nitroso-N-propyl-1-propanamine	621-64-7
161) N-Nitroso(methyl)ethylamine; N-Methyl-N-nitrosoethylamine	10595-95-6
162) N-Nitrosopiperidine; 1-Nitrosopiperidine	100-75-4
163) N-Nitrosopyrrolidine; 1-Nitrosopyrrolidine	930-55-2
164) 5-Nitro-o-toluidine; 2-Methyl-5-nitrobenzenamine	99-55-8
165) Pentachlorobenzene	608-93-5
166) Pentachloronitrobenzene	82-68-8
167) Pentachlorophenol	87-86-5
168) Phenacetin; N-(4-Ethoxyphenyl)acetamide	62-44-2
169) Phenanthrene	85-01-8
170) Phenol	108-95-2
171) p-Phenylenediamine; 1,4-Benzenediamine	106-50-3
172) Pronamide; 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl) benzamide	23950-58-5
173) Propionitrile; Ethyl cyanide	107-12-0
174) Pyrene	129-00-0
175) Safrole; 5-(2-Propenyl)-1,3-benzodioxole	94-59-1
176) 1,2,4,5-Tetrachlorobenzene	95-94-3
177) 2,3,4,6-Tetrachlorophenol	58-90-2
178) o-Toluidine; 2-Methylbenzenamine	95-53-4
179) 2,4,5-Trichlorophenol	95-95-4
180) 2,4,6-Trichlorophenol	88-06-2

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181) sym-Trinitrobenzene; 1,3,5-Trinitrobenzene	99-35-4
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[\(E\) Pesticides, polychlorinated biphenols \(PCBs\), and herbicides.](#)

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Parameter	CAS RN
182) Aldrin	309-00-2
183) alpha-BHC	319-84-6
184) beta-BHC	319-85-7
185) delta-BHC	319-86-8
186) gamma-BHC; Lindane	58-89-9
187) Chlordane	See note 2
188) 2,4-D; 2,4-Dichlorophenoxyacetic acid	94-75-7
189) 4,4'-DDD; 1,1'-(2,2-Dichloroethylidene)bis[4-chlorobenzene]	72-54-8
190) 4,4'-DDE; 1,1'-(2,2-Dichloroethenylidene)bis[4-chlorobenzene]	72-55-9
191) 4,4'-DDT; 1,1'-(2,2,2-Trichloroethylidene)bis[4-chlorobenzene]	50-29-3
192) Diallate; bis(1-Methylethyl)-carbamoithic acidS-(2,3-Dichloro-2-propenyl) ester	2303-16-4
193) Dieldrin	60-57-1
194) Dinoseb; DMBP	88-85-7
195) Endosulfan I	959-98-8
196) Endosulfan II	33213-65-9
197) Endosulfan sulfate	1031-07-8
198) Endrin	72-20-8
199) Endrin aldehyde	7421-93-4
200) Famphur; Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl]0,0-dimethyl ester	52-85-7
201) Heptachlor; 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene	76-44-8
202) Heptachlor epoxide	1024-57-3
203) Isodrin	465-73-6
204) Kepone	143-50-0
205) 3-Methylcholanthrene; 1,2-Dihydro-3-methyl-benze[j]aceanthrylene	56-49-5
206) Methyl parathion; Parathion methyl; Phosphorothioicacid, 0,0-dimethyl 0-(4-nitrophenyl) ester	298-00-0
207) Parathion; Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	56-38-2
208) Phorate; Phosphorodithioic acid, O,O-Diethyl S-[(ethylthio)methyl] ester	298-02-2
209) Polychlorinated biphenyls; PCBs; aroclors;1,1'-Biphenyl, chloro derivatives	See note 3
210) Silvex; 2,4,5-TP; 2-(2,4,5-Trichlorophenoxy) propanoic acid	93-72-1
211) 2,4,5-T; 2,4,5-Trichlorophenoxyacetic acid	93-76-5
212) Toxaphene	8001-35-2
213) o,o,o-Triethyl phosphorothioate; Phosphorothioic acid,o,o,o-triethyl ester	126-68-1

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Note 1: Xylene (total): Where "total" is entered, all species in ground water that contain this element are included. This entry includes o-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).

Note 2: 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 12789-03-6).

Note 3: 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).