

Chapter NR 507

APPENDIX II

SUBSTANCES FOR ASSESSMENT MONITORING<sup>1</sup>  
AT MUNICIPAL SOLID WASTE LANDFILLS

| Common name <sup>2</sup>                       | CAS RN <sup>4</sup> | Synonyms                                                                                                                                                        |
|------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acenaphthene                                   | 83-32-9             | 1,2-Dihydroacenaphthylene                                                                                                                                       |
| Acenaphthylene                                 | 208-96-8            |                                                                                                                                                                 |
| Acetone                                        | 67-64-1             | 2-Propanone                                                                                                                                                     |
| Acetonitrile                                   | 75-05-8             | Methyl cyanide                                                                                                                                                  |
| Acetophenone                                   | 98-86-2             | 1-Phenylethanone                                                                                                                                                |
| 2-Acetylaminofluorene                          | 53-96-3             | N-9H-fluoren-2-yl-Acetamide; 2-AAF                                                                                                                              |
| Acrolein                                       | 107-02-8            | 2-Propenal                                                                                                                                                      |
| Acrylonitrile                                  | 107-13-1            | 2-Propenenitrile                                                                                                                                                |
| Aldrin                                         | 309-00-2            | 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-<br>1,4,4a,5,8,8a-hexahydro- (1 $\alpha$ ,4 $\alpha$ ,4a $\beta$ ,5 $\alpha$ ,8 $\alpha$ -,8a $\beta$ )- |
| Allyl chloride                                 | 107-05-1            | 3-Chloro-1-propene                                                                                                                                              |
| 4-Aminobiphenyl                                | 92-67-1             | [1,1'-Biphenyl]-4-amine                                                                                                                                         |
| Anthracene                                     | 120-12-7            |                                                                                                                                                                 |
| Antimony                                       | 7440-36-0           |                                                                                                                                                                 |
| Arsenic                                        | 7440-38-2           |                                                                                                                                                                 |
| Barium                                         | 7440-39-3           |                                                                                                                                                                 |
| Benzene                                        | 71-43-2             |                                                                                                                                                                 |
| Benzo[a]anthracene                             | 56-55-3             | Benzanthracene                                                                                                                                                  |
| Benzo[b]fluoranthene                           | 205-99-2            | Benz[e]acephenanthrylene                                                                                                                                        |
| Benzo[k]fluoranthene                           | 207-08-9            |                                                                                                                                                                 |
| Benzo[ghi]perylene                             | 191-24-2            |                                                                                                                                                                 |
| Benzo[a]pyrene                                 | 50-32-8             |                                                                                                                                                                 |
| Benzyl alcohol                                 | 100-51-6            | Benzenemethanol                                                                                                                                                 |
| Beryllium                                      | 7440-41-7           |                                                                                                                                                                 |
| alpha-BHC                                      | 319-84-6            | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\beta$ , 6 $\beta$ )                                                   |
| beta-BHC                                       | 319-85-7            | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,4 $\beta$ ,5 $\alpha$ ,6 $\beta$ )-                                                   |
| delta-BHC                                      | 319-86-8            | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\alpha$ ,4 $\beta$ ,5 $\alpha$ ,6 $\beta$ )-                                                  |
| gamma-BHC; Lindane                             | 58-89-9             | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )-                                                  |
| Bis(2-chloroethoxy)methane                     | 111-91-1            | Ethane, 1,1'-[methylenebis(oxy)]bis-[2-chloro-                                                                                                                  |
| Bis(2-chloroethyl)ether                        | 111-44-4            | Ethane, 1,1'-oxybis[2-chloro-                                                                                                                                   |
| Bis(2-chloro-1-methylethyl) ether [see note 4] | 108-60-1            | 2,2'-Dichlorodiisopropylether                                                                                                                                   |
| Bis(2-ethylhexyl) phthalate                    | 117-81-7            | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester                                                                                                            |
| Bromochloromethane                             | 74-97-5             | Chlorobromomethane                                                                                                                                              |
| Bromodichloromethane                           | 75-27-4             | Dichlorobromomethane                                                                                                                                            |
| Bromoform                                      | 75-25-2             | Tribromomethane                                                                                                                                                 |
| 4-Bromophenyl phenyl ether                     | 101-55-3            | Benzene, 1-bromo-4-phenoxy-                                                                                                                                     |
| Butyl benzyl phthalate                         | 85-68-7             | Benzyl butyl phthalate                                                                                                                                          |
| Cadmium                                        | 7440-43-9           |                                                                                                                                                                 |
| Carbon disulfide                               | 75-15-0             |                                                                                                                                                                 |
| Carbon tetrachloride                           | 56-23-5             | Tetrachloromethane                                                                                                                                              |

**NR 507 Appendix II**

**WISCONSIN ADMINISTRATIVE CODE**

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| Common name <sup>2</sup>               | CAS RN <sup>4</sup> | Synonyms                                                                                 |
|----------------------------------------|---------------------|------------------------------------------------------------------------------------------|
| Chlordane [see note 5]                 | 57-74-9             | 4,7-Methano-1H-indene, 1,2,4,5,6,7,8-octachloro-2,3,3a,4,7,7a- hexahydro                 |
| p-Chloroaniline                        | 106-47-8            | Benzenamine, 4-chloro-                                                                   |
| Chlorobenzene                          | 108-90-7            | Monochlorobenzene                                                                        |
| Chlorobenzilate                        | 510-15-6            | Benzenecetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester |
| p-Chloro-m-cresol                      | 59-50-7             | Phenol, 4-chloro-3-methyl-                                                               |
| Chloroethane                           | 75-00-3             | Ethyl chloride                                                                           |
| Chloroform                             | 67-66-3             | Trichloromethane                                                                         |
| 2-Chloronaphthalene                    | 91-58-7             |                                                                                          |
| 2-Chlorophenol                         | 95-57-8             |                                                                                          |
| 4-Chlorophenyl phenyl ether            | 7005-72-3           | Benzene, 1-chloro-4-phenoxy-                                                             |
| Chloroprene                            | 126-99-8            | 1,3-Butadiene, 2-chloro-                                                                 |
| Chromium                               | 7440-47-3           |                                                                                          |
| Chrysene                               | 218-01-9            |                                                                                          |
| Cobalt                                 | 7440-48-3           |                                                                                          |
| Copper                                 | 7440-50-8           |                                                                                          |
| m-Cresol                               | 108-39-4            | 3-Methylphenol                                                                           |
| o-Cresol                               | 95-48-7             | 2-Methylphenol                                                                           |
| p-Cresol                               | 106-44-5            | 4-Methylphenol                                                                           |
| Cyanide                                | 57-12-5             |                                                                                          |
| 2,4-D; 2,4-Dichlorophenoxy-acetic acid | 94-75-7             | Acetic acid, (2,4-dichlorophenoxy)-                                                      |
| 4,4'-DDD                               | 72-54-8             | Benzene 1,1'-(2,2-dichloroethylidene)bis[4-chloro-                                       |
| 4,4'-DDE                               | 72-55-9             | Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro                                         |
| 4,4'-DDT                               | 50-29-3             | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro                                    |
| Diallate                               | 2303-16-4           | Carbamothioic acid, bis(1-methylethyl)-, S- (2,3-dichloro-2-propenyl) ester              |
| Dibenzo[a,h]anthracene                 | 53-70-3             | Dibenz[a,h]anthracene                                                                    |
| Dibenzofuran                           | 132-64-9            |                                                                                          |
| Dibromochloromethane                   | 124-48-1            | Chlorodibromomethane                                                                     |
| 1,2-Dibromo-3-chloropropane            | 96-12-8             | DBCP                                                                                     |
| 1,2-Dibromoethane                      | 106-93-4            | Ethylene dibromide, EDB                                                                  |
| Di-n-butyl phthalate                   | 84-74-2             | 1,2-Benzenedicarboxylic acid, dibutyl ester                                              |
| o-Dichlorobenzene                      | 95-50-1             | 1,2-Dichlorobenzene                                                                      |
| m-Dichlorobenzene                      | 541-73-1            | 1,3-Dichlorobenzene                                                                      |
| p-Dichlorobenzene                      | 106-46-7            | 1,4-Dichlorobenzene                                                                      |
| 3,3'-Dichlorobenzidine                 | 91-94-1             | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-                                             |
| trans-1,4-Dichloro-2-butene            | 110-57-6            | 2-Butene, 1,4-dichloro-, (E)-                                                            |
| Dichlorodifluoromethane                | 75-71-8             | Freon 12, CFC-12                                                                         |
| 1,1-Dichloroethane                     | 75-34-3             | Ethylidene chloride                                                                      |
| 1,2-Dichloroethane                     | 107-06-2            | Ethylene dichloride                                                                      |
| 1,1-Dichloroethylene                   | 75-35-4             | Vinylidene chloride; 1,1-Dichloroethene                                                  |
| cis-1,2-Dichloroethylene               | 156-59-2            | cis-1,2-Dichloroethene                                                                   |
| trans-1,2-Dichloroethylene             | 156-60-5            | trans-1,2-Dichloroethene                                                                 |
| 2,4-Dichlorophenol                     | 120-83-2            |                                                                                          |
| 2,6-Dichlorophenol                     | 87-65-0             |                                                                                          |
| 1,2-Dichloropropane                    | 78-87-5             | Propylene dichloride                                                                     |
| 1,3-Dichloropropane                    | 142-28-9            | Trimethylene chloride                                                                    |
| 2,2-Dichloropropane                    | 594-20-7            |                                                                                          |
| 1,1-Dichloropropene                    | 563-58-6            | 1,1-dichloropropylene .                                                                  |
| cis-1,3-Dichloropropene                | 10061-01-5          | 1,3-dichloropropylene, (Z)                                                               |

| Common name <sup>2</sup>                   | CAS RN <sup>4</sup> | Synonyms                                                                                                                     |
|--------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| trans-1,3-Dichloropropene                  | 10061-02-6          | 1,3-dichloropropylene, (E)                                                                                                   |
| Dieldrin                                   | 60-57-1             | 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-, (1α,2β,2α,3β,6α,7β,6α,7β,7α)-  |
| Diethyl phthalate                          | 84-66-2             | 1,2-Benzenedicarboxylic acid, diethyl ester                                                                                  |
| O,O-Diethyl O-2-pyrazinyl phosphorothioate | 297-97-2            | Thionazin                                                                                                                    |
| Dimethoate                                 | 60-51-5             | Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester                                                    |
| p-(Dimethylamino)azobenzene                | 60-11-7             | Benzenamine, N,N-dimethyl-4-(phenylazo)-                                                                                     |
| 7,12-Dimethylbenz[a]anthracene             | 57-97-6             | Benz[a]anthracene, 7,12-dimethyl-                                                                                            |
| 3,3'-Dimethylbenzidine                     | 119-93-7            | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-                                                                                 |
| 2,4-Dimethylphenol                         | 105-67-9            | 2,4-Dimethylphenol                                                                                                           |
| Dimethyl phthalate                         | 131-11-3            | 1,2-Benzenedicarboxylic acid, dimethyl ester                                                                                 |
| m-Dinitrobenzene                           | 99-65-0             | 1,3-Dinitrobenzene                                                                                                           |
| 4,6-Dinitro-o-cresol                       | 534-52-1            | 2-Methyl-4,6-dinitrophenol                                                                                                   |
| 2,4-Dinitrophenol                          | 51-28-5             |                                                                                                                              |
| 2,4-Dinitrotoluene                         | 121-14-2            | 1-Methyl-2,4-dinitrobenzene                                                                                                  |
| 2,6-Dinitrotoluene                         | 606-20-2            | 2-Methyl-1,3-dinitrobenzene                                                                                                  |
| Dinoseb                                    | 88-85-7             | DNBP; 2-sec-Butyl-4,6-dinitrophenol                                                                                          |
| Di-n-octyl phthalate                       | 117-84-0            | 1,2-Benzenedicarboxylic acid, dioctyl ester                                                                                  |
| Diphenylamine                              | 122-39-4            | Benzenamine, N-phenyl-                                                                                                       |
| Disulfoton                                 | 298-04-4            | Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester                                                              |
| Endosulfan I                               | 959-98-8            | 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3α,5αβ,6α,9α,9αβ)-         |
| 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, (3α,5αα,6β,9β,9αα)-         |
| Endosulfan sulfate                         | 1031-07-8           | 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3,3-dioxide                          |
| Endrin                                     | 72-20-8             | 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-, (1α,2β,2αβ,3α,6α,6αβ,7β,7α)-   |
| Endrin aldehyde                            | 7421-93-4           | 1,2,4-Methenocyclopenta[cd]pentalene-5-carboxaldehyde, 2,2a,3,3,4,7-hexachlorodecahydro-, (1α,2β,2αβ,4β,4αβ,5β,6αβ,6bβ,7R*)- |
| Ethylbenzene                               | 100-41-4            |                                                                                                                              |
| Ethyl methacrylate                         | 97-63-2             | 2-Propenoic acid, 2-methyl-, ethyl ester                                                                                     |
| Ethyl methanesulfonate                     | 62-50-0             | Methanesulfonic acid, ethyl ester                                                                                            |
| Famphur                                    | 52-85-7             | Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl]-O,O-dimethyl ester                                               |
| Fluoranthene                               | 206-44-0            |                                                                                                                              |
| Fluorene                                   | 86-73-7             | 9H-Fluorene                                                                                                                  |
| Heptachlor                                 | 76-44-8             | 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-                                                       |
| Heptachlor epoxide                         | 1024-57-3           | 2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a,6b-hexahydro-, (1α,1bβ,2α,5α,5αβ,6β,6αα)      |
| Hexachlorobenzene                          | 118-74-1            |                                                                                                                              |
| Hexachlorobutadiene                        | 87-68-3             | 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-                                                                                       |
| Hexachlorocyclopentadiene                  | 77-47-4             | 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-                                                                                 |
| Hexachloroethane                           | 67-72-1             |                                                                                                                              |
| Hexachloropropene                          | 1888-71-7           | 1-Propene, 1,1,2,3,3,3-hexachloro-                                                                                           |
| 2-Hexanone                                 | 591-78-6            | Methyl butyl ketone                                                                                                          |
| Indeno(1,2,3-cd)pyrene                     | 193-39-5            | Indeno[1,2,3-cd]pyrene                                                                                                       |

**NR 507 Appendix II**

**WISCONSIN ADMINISTRATIVE CODE**

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| Common name <sup>2</sup>  | CAS RN <sup>4</sup> | Synonyms                                                                                                                                                |
|---------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isobutyl alcohol          | 78-83-1             | 1-Propanol, 2-methyl-                                                                                                                                   |
| Isodrin                   | 465-73-6            | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a hexahydro-(1 $\alpha$ ,4 $\alpha$ ,4a $\beta$ ,5 $\beta$ ,8 $\beta$ ,8a $\beta$ )- |
| Isophorone                | 78-59-1             | 2-Cyclohexen-1-one, 3,5,5-trimethyl-                                                                                                                    |
| Isosafrole                | 120-58-1            | 1,3-Benzodioxole, 5-(1-propenyl)-                                                                                                                       |
| Kepone                    | 143-50-0            | 1,3,4-Metheno-2H-cyclobuta- [cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachloro-octahydro-                                                           |
| Lead                      | 7439-92-1           |                                                                                                                                                         |
| Mercury                   | 7439-97-6           |                                                                                                                                                         |
| Methacrylonitrile         | 126-98-7            | 2-Propenenitrile, 2-methyl-                                                                                                                             |
| Methapyrilene             | 91-80-5             | 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'- (2-thienylmethyl)-                                                                                   |
| Methoxychlor              | 72-43-5             | Benzene, 1,1'-(2,2,2,2-trichloroethylidene)bis [4-methoxy-                                                                                              |
| Methyl bromide            | 74-83-9             | Bromomethane                                                                                                                                            |
| Methyl chloride           | 74-87-3             | Chloromethane                                                                                                                                           |
| 3-Methylcholanthrene      | 56-49-5             | Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-                                                                                                             |
| Methyl ethyl ketone       | 78-93-3             | 2-Butanone; MEK                                                                                                                                         |
| Methyl iodide             | 74-88-4             | Iodomethane                                                                                                                                             |
| Methyl methacrylate       | 80-62-6             | 2-Propenoic acid, 2-methyl-, methyl ester                                                                                                               |
| Methyl methanesulfonate   | 66-27-3             | Methanesulfonic acid, methyl ester                                                                                                                      |
| 2-Methylnaphthalene       | 91-57-6             |                                                                                                                                                         |
| Methyl parathion          | 298-00-0            | Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester                                                                                              |
| 4-Methyl-2-pentanone      | 108-10-1            | Methyl isobutyl ketone                                                                                                                                  |
| Methyl tert-butyl ether   | 1634-04-4           | Methyl-t-butyl ether. MTBE                                                                                                                              |
| Methylene bromide         | 74-95-3             | Dibromomethane                                                                                                                                          |
| Methylene chloride        | 75-09-2             | Dichloromethane                                                                                                                                         |
| Naphthalene               | 91-20-3             |                                                                                                                                                         |
| 1,4-Naphthoquinone        | 130-15-4            | 1,4-Naphthalenedione                                                                                                                                    |
| 1-Naphthylamine           | 134-32-7            | 1-Naphthalenamine                                                                                                                                       |
| 2-Naphthylamine           | 91-59-8             | 2-Naphthalenamine                                                                                                                                       |
| Nickel                    | 7440-02-0           |                                                                                                                                                         |
| o-Nitroaniline            | 88-74-4             | 2-Nitrobenzenamine                                                                                                                                      |
| m-Nitroaniline            | 99-09-2             | 3-Nitrobenzenamine                                                                                                                                      |
| p-Nitroaniline            | 100-01-6            | 4-Nitrobenzenamine                                                                                                                                      |
| Nitrobenzene              | 98-95-3             |                                                                                                                                                         |
| o-Nitrophenol             | 88-75-5             | 2-Nitrophenol                                                                                                                                           |
| p-Nitrophenol             | 100-02-7            | 4-Nitrophenol                                                                                                                                           |
| N-Nitrosodi-n-butylamine  | 924-16-3            | 1-Butanamine, N-butyl-N-nitroso-                                                                                                                        |
| N-Nitrosodiethylamine     | 55-18-5             | Ethanamine, N-ethyl-N-nitroso-                                                                                                                          |
| N-Nitrosodimethylamine    | 62-75-9             | Methanamine, N-methyl-N-nitroso-                                                                                                                        |
| N-Nitrosodiphenylamine    | 86-30-6             | Benzenamine, N-nitroso-N-phenyl-                                                                                                                        |
| N-Nitrosodipropylamine    | 621-64-7            | Di-n-propylnitrosamine                                                                                                                                  |
| N-Nitrosomethylethylamine | 10595-95-6          | Ethanamine, N-methyl-N-nitroso-                                                                                                                         |
| N-Nitrosopiperidine       | 100-75-4            | Piperidine, 1-nitroso-                                                                                                                                  |
| N-Nitrosopyrrolidine      | 930-55-2            | Pyrrolidine, 1-nitroso-                                                                                                                                 |
| 5-Nitro-o-toluidine       | 99-55-8             | Benzenamine, 2-methyl-5-nitro-                                                                                                                          |
| Parathion                 | 56-38-2             | Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester                                                                                               |
| Pentachlorobenzene        | 608-93-5            |                                                                                                                                                         |
| Pentachloronitrobenzene   | 82-68-8             |                                                                                                                                                         |
| Pentachlorophenol         | 87-86-5             |                                                                                                                                                         |
| Phenacetin                | 62-44-2             | Acetamide, N-(4-ethoxyphenyl)                                                                                                                           |

| Common name <sup>2</sup>        | CAS RN <sup>4</sup> | Synonyms                                                        |
|---------------------------------|---------------------|-----------------------------------------------------------------|
| Phenanthrene                    | 85-01-8             |                                                                 |
| Phenol                          | 108-95-2            |                                                                 |
| p-Phenylenediamine              | 106-50-3            | 1,4-Benzenediamine                                              |
| Phorate                         | 298-02-2            | Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester |
| Polychlorinated biphenyls       | See Note 6          | PCBs; 1,1'-Biphenyl, chloro derivatives, Arochlors              |
| Pronamide                       | 23950-58-5          | Benzamide, 3,5-dichloro-N- (1,1-dimethyl-2-propynyl)-           |
| Propionitrile                   | 107-12-0            | Ethyl cyanide; Propanenitrile                                   |
| Pyrene                          | 129-00-0            |                                                                 |
| Pyridine                        | 110-86-1            |                                                                 |
| Safrole                         | 94-59-7             | 1,3-Benzodioxole, 5-(2-propenyl)-                               |
| Selenium                        | 7782-49-2           |                                                                 |
| Silver                          | 7440-22-4           |                                                                 |
| Silvex                          | 93-72-1             | 2,4,5-TP; Propanoic acid, 2-(2,4,5-trichlorophenoxy)-           |
| Styrene                         | 100-42-5            | Ethenylbenzene                                                  |
| Sulfide                         | 18496-25-8          |                                                                 |
| 2,4,5-T                         | 93-76-5             | 2,4,5-Trichloro-phenoxyacetic acid                              |
| 1,2,4,5-Tetrachlorobenzene      | 95-94-3             |                                                                 |
| 1,1,1,2-Tetrachloroethane       | 630-20-6            |                                                                 |
| 1,1,2,2-Tetrachloroethane       | 79-34-5             |                                                                 |
| Tetrachloroethylene             | 127-18-4            | Perchloroethylene; Tetrachloroethene; PCE                       |
| 2,3,4,6-Tetrachlorophenol       | 58-90-2             |                                                                 |
| Tetrahydrofuran                 | 109-99-9            | THF                                                             |
| Thallium                        | 7440-28-0           |                                                                 |
| Tin                             | 7440-31-5           |                                                                 |
| Toluene                         | 108-88-3            | Methylbenzene                                                   |
| o-Toluidine                     | 95-53-4             | 2-Methylbenzenamine                                             |
| Toxaphene                       | See note 7          |                                                                 |
| 1,2,4-Trichlorobenzene          | 120-82-1            |                                                                 |
| 1,1,1-Trichloroethane           | 71-55-6             | Methylchloroform                                                |
| 1,1,2-Trichloroethane           | 79-00-5             |                                                                 |
| Trichloroethylene               | 79-01-6             | Trichloroethene; TCE                                            |
| Trichlorofluoromethane          | 75-69-4             | Freon 11, Fluorotrichloromethane, CFC-11                        |
| 2,4,5-Trichlorophenol           | 95-95-4             |                                                                 |
| 2,4,6-Trichlorophenol           | 88-06-2             |                                                                 |
| 1,2,3-Trichloropropane          | 96-18-4             |                                                                 |
| O,O,O-Triethyl phosphorothioate | 126-68-1            | Phosphorothioic acid, O,O,O-triethyl ester                      |
| sym-Trinitrobenzene             | 99-35-4             | Benzene, 1,3,5-trinitro-                                        |
| Vanadium                        | 7440-62-2           |                                                                 |
| Vinyl acetate                   | 108-05-4            | Ethenyl ester acetic acid                                       |
| Vinyl chloride                  | 75-01-4             | Chloroethene                                                    |
| Xylene (total)                  | See note 8          | Dimethylbenzene                                                 |
| Zinc                            | 7440-66-6           |                                                                 |

1 This table includes all the substances required for assessment monitoring under RCRA Subtitle D (40 CFR Part 258 Appendix II). DNR GEMS parameter numbers for the substances in this table can be found at <http://www.dnr.wi.gov/org/aw/wm/monitor/>

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.

4 This substance is often called Bis(2-chloroisopropyl) ether, the name the Chemical Abstracts Service applies to its noncommercial isomer, Propane, 2,2'-oxybis[2-chloro- (CAS RN 39638-32-9).

5 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).

6 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).

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

8 Xylene (total): 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).