**Section 740.APPENDIX A Target Compound List**

**Section 740.TABLE A Volatile Organics Analytical Parameters**

|  |  |  |
| --- | --- | --- |
| CAS No. | Compound | Method |
| 74-87-3 | Chloromethane  | 8260B |
| 74-83-9 | Bromomethane | 8260B |
| 75-01-4 | Vinyl Chloride | 8260B |
| 75-00-3 | Chloroethane | 8260B |
| 75-09-2 | Methylene Chloride | 8260B |
| 67-64-1 | Acetone | 8260B |
| 75-15-0 | Carbon Disulfide | 8260B |
| 75-35-4 | 1,1-Dichloroethene | 8260B |
| 75-34-3 | 1,1-Dichloroethane | 8260B |
| 156-59-2 | cis-1,2-Dichloroethene | 8260B |
| 156-60-5 | trans-1,2-Dichloroethene | 8260B |
| 67-66-3 | Chloroform  | 8260B |
| 107-06-2 | 1,2-Dichloroethane  | 8260B |
| 78-93-3 | 2-Butanone  | 8260B |
| 71-55-6 | 1,1,1-Trichloroethane  | 8260B |
| 56-23-5 | Carbon Tetrachloride  | 8260B |
| 75-27-4 | Bromodichloromethane  | 8260B |
| 78-87-5 | 1,2-Dichloropropane  | 8260B |
| 10061-01-5 | cis-1,3-Dichloropropene  | 8260B |
| 79-01-6 | Trichloroethene  | 8260B |
| 124-48-1  | Dibromochloromethane | 8260B |
| 79-00-5 | 1,1,2-Trichloroethane | 8260B |
| 71-43-2 | Benzene  | 8260B |
| 10061-02-6 | trans-1,3-Dichloropropene  | 8260B |
| 75-25-2 | Bromoform  | 8260B |
| 1634-04-4 | Methyl Tertiary-Butyl Ether | 8260B |
| 108-10-1 | 4-Methyl-2-pentanone | 8260B |
| 591-78-6 | 2-Hexanone | 8260B |
| 127-18-4 | Tetrachloroethene | 8260B |
| 108-88-3 | Toluene | 8260B |
| 79-34-5 | 1,1,2,2-Tetrechloroethane | 8260B |
| 108-90-7 | Chlorobenzene | 8260B |
| 100-41-4 | Ethylbenzene | 8260B |
| 100-42-5  | Styrene | 8260B |
| 1330-20-7 | Xylenes (total) | 8260B |

The laboratory shall report nonsurrogate components, tentatively identified by library search conducted per the guidelines contained in the analytical method.

(Source: Amended at 26 Ill. Reg. 7197, effective April 25, 2002)

**Section 740.APPENDIX A Target Compound List**

**Section 740.TABLE B Semivolatile Organic Analytical Parameters**

|  |  |  |
| --- | --- | --- |
| CAS No. | Compound | Method |
| 108-95-2 | Phenol | 8270C |
| 111-44-4  | bis(2-Chloroethyl) ether | 8270C |
| 95-57-8 | 2-Chlorophenol | 8270C |
| 95-50-1 | 1,2-Dichlorobenzene | 8270C |
| 541-73-1 | 1,3-Dichlorobenzene | 8270C |
| 106-46-7 | 1,4-Dichlorobenzene | 8270C |
| 95-48-7 | 2-Methylphenol | 8270C |
| 108-60-1 | 2,2'-oxybis (1-chloropropane) | 8270C |
| 106-44-5 | 4-Methylphenol | 8270C |
| 621-64-7 | N-Nitroso-di-n-propylamine | 8270C |
| 67-72-1 | Hexachloroethane | 8270C |
| 98-95-3 | Nitrobenzene | 8270C |
| 78-59-1 | Isophorone | 8270C |
| 88-75-5 | 2-Nitrophenol | 8270C |
| 105-67-9 | 2,4-Dimethylphenol | 8270C |
| 111-91-1 | bis(2-Chloroethoxy) methane | 8270C |
| 120-83-2 | 2,4-Dichlorophenol | 8270C |
| 120-82-1 | 1,2,4-Trichlorobenzene | 8270C |
| 91-20-3 | Naphthalene | 8270C 8310 |
| 106-47-8 | 4-Chloroaniline | 8270C |
| 87-68-3 | Hexachlorobutadiene | 8270C |
| 59-50-7 | 4-Chloro-3-methylphenol  | 8270C |
| 91-57-6 | 2-Methylnaphthalene | 8270C |
| 77-47-4 | Hexachlorocyclopentadiene | 8270C |
| 88-06-2 | 2,4,6-Trichlorophenol | 8270C |
| 95-96-4 | 2,4,5-Trichlorophenol | 8270C |
| 91-58-7 | 2-Chloronaphthalene | 8270C |
| 88-74-4 | 2-Nitroaniline | 8270C |
| 131-11-3 | Dimethylphthalate | 8270C |
| 208-96-8 | Acenaphthylene | 8270C 8310 |
| 606-20-2 | 2,6-dinitrotoluene | 8270C |
| 99-09-2 | 3-Nitroanaline | 8270C |
| 83-32-9 | Acenaphthene | 8270C 8310 |
| 51-28-5 | 2,4-Dinitrophenol | 8270C |
| 100-02-7 | 4-Nitrophenol | 8270C |
| 132-64-9 | Dibenzofuran | 8270C |
| 121-14-2 | 2,4-Dinitrotoluene | 8270C |
| 84-66-2 | Diethylphthalate | 8270C |
| 7005-72-3 | 4-Chlorophenyl-phenyl ether | 8270C |
| 86-73-7 | Fluorene | 8270C 8310 |
| 100-01-6 | 4-Nitroaniline | 8270C |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8270C |
| 86-30-6 | N-nitrosodiphenylamine | 8270C |
| 101-55-3 | 4-Bromophenyl-phenyl ether | 8270C |
| 118-74-1 | Hexachlorobenzene | 8270C |
| 87-86-5 | Pentachlorophenol | 8270C |
| 85-01-8 | Phenanthrene | 8270C 8310 |
| 120-12-7 | Anthracene | 8270C 8310 |
| 86-74-8 | Carbazole | 8270C |
| 84-74-2 | Di-n-butylphthalate | 8270C |
| 206-44-0 | Fluoranthene | 8270C 8310 |
| 129-00-0 | Pyrene | 8270C 8310 |
| 85-68-7 | Butylbenzylphthalate | 8270C |
| 91-94-1 | 3,3'-Dichlorobenzidine | 8270C |
| 56-55-3 | Benzo(a)anthracene | 8270C 8310 |
| 218-01-9 | Chrysene | 8270C 8310 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 8270C |
| 117-84-0 | Di-n-octylphthalate | 8270C |
| 205-99-2 | Benzo(b)fluoranthene | 8270C 8310 |
| 207-08-9 | Benzo(k)fluoranthene | 8270C 8310 |
| 50-32-8 | Benzo(a)pyrene | 8270C |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 8270C 8310 |
| 53-70-3 | Dibenz(a,h)anthracene | 8270C |
| 191-24-2 | Benzo(g,h,i)perylene | 8270C 8310 |

The laboratory shall report nonsurrogate components, tentatively identified by library search conducted per the guidelines contained in the analytical method.

(Source: Amended at 26 Ill. Reg. 7197, effective April 25, 2002)

**Section 740.APPENDIX A Target Compound List**

**Section 740.TABLE C Pesticide and Aroclors Organic Analytical Parameters**

|  |  |  |
| --- | --- | --- |
| CAS No. | Compound | Method |
| 319-84-6 | alpha-BHC | 8081A |
| 319-85-7 | beta-BHC | 8081A |
| 319-86-8 | delta-BHC | 8081A |
| 58-89-9 | gamma-BHC | 8081A |
| 76-44-8 | Heptachlor | 8081A |
| 309-00-2 | Aldrin | 8081A |
| 1024-57-3 | Heptachlor epoxide | 8081A |
| 959-98-8 | Endosulfan I | 8081A |
| 60-57-1 | Dieldrin | 8081A |
| 72-55-9 | 4,4'-DDE | 8081A |
| 72-20-8 | Endrin | 8081A |
| 33213-65-9 | Endosulfan II | 8081A |
| 72-54-8 | 4,4'-DDD | 8081A |
| 1031-07-8 | Endosulfan sulfate | 8081A |
| 50-29-3 | 4,4'-DDT | 8081A |
| 72-43-5 | Methoxychlor | 8081A |
| 53494-70-5 | Endrin ketone | 8081A |
| 7421-93-4 | Endrin aldehyde | 8081A |
| 5103-71-9 | alpha-Chlordane | 8081A |
| 5566-34-7 | gamma-Chlordane | 8081A |
| 8001-35-2 | Toxaphene | 8081A |
| 12674-11-2 | Aroclor – 1016 | 8082 |
| 11104-28-2 | Aroclor – 1221 | 8082 |
| 11141-16-5 | Aroclor – 1232 | 8082 |
| 53469-21-9 | Aroclor – 1242 | 8082 |
| 12672-29-6 | Aroclor – 1248 | 8082 |
| 11097-69-1 | Aroclor – 1254 | 8082 |
| 111096-82-5 | Aroclor – 1260 | 8082 |

(Source: Amended at 26 Ill. Reg. 7197, effective April 25, 2002)

**Section 740.APPENDIX A Target Compound List**

**Section 740.TABLE D Inorganic Analytical Parameters**

|  |  |  |
| --- | --- | --- |
| CAS No. | Analyte | Method |
| 7429-90-5 | Aluminum | 6010B/6020 |
| 7440-36-0 | Antimony | 6010B/6020 |
| 7440-38-2 | Arsenic | 6020/7060A/7061A/7062 |
| 7440-39-3 | Barium | 6010B/6020 |
| 7440-41-7 | Beryllium | 6010B/6020 |
| 7440-43-9 | Cadmium | 6010B/6020 |
| 7440-70-2 | Calcium | 6010B |
| 7440-47-3 | Chromium | 6010B/6020 |
| 7440-48-4 | Cobalt | 6010B/6020 |
| 7440-50-8 | Copper | 6010B/6020 |
| 7439-89-6 | Iron | 6010B |
| 7439-92-1 | Lead | 6020/7421 |
| 7239-95-4 | Magnesium | 6010B |
| 7439-96-5 | Manganese | 6010B/6020 |
| 7439-97-6 | Mercury | 7470A/7471A |
| 7440-02-0 | Nickel | 6010B/6020 |
| 7440-09-7 | Potassium | 6010B |
| 7782-49-2 | Selenium | 7740A/7741A/7742 |
| 7440-22-4 | Silver | 6010B/6020 |
| 7440-23-5 | Sodium | 6010B |
| 7440-28-0 | Thallium | 6020/7841 |
| 7440-62-2 | Vanadium | 6010B |
| 7440-66-6 | Zinc | 6010B/6020 |
| 57-12-5 | Cyanide | 9012A |

(Source: Amended at 26 Ill. Reg. 7197, effective April 25, 2002)