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| **EEA/NSV/13/002 – ETC/ICM** |  |

2015 Freshwater Eionet Workshop

Background document for Session 2

Content related SoE review – Annex 1:

- Lists of determinants to keep and to drop in future reporting for the different reporting streams -

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In the following tables the determinants for all data flows are classified in “must keep”, “should keep”, “could keep” and “drop” for / from reporting.

#### Table A1: Water quality (nutrients and oxygen consuming substances) determinants in rivers and lakes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Must keep** | **Should keep** | **Could keep** | **Drop** |
| Alkalinity |  |  | X |  |
| Ammonium | X |  |  |  |
| BOD5 | X |  |  |  |
| BOD7 | X |  |  |  |
| Chlorophyll a | X |  |  |  |
| CODCr |  | X (rivers) | X (lakes) |  |
| CODMn |  | X (rivers) | X (lakes) |  |
| Dissolved Inorganic Nitrogen |  |  |  | X |
| Dissolved Organic Carbon |  |  |  | X |
| Dissolved Oxygen |  |  | X |  |
| Electrical Conductivity |  | X |  |  |
| Hydrogen Sulphide |  |  |  | X |
| Kjeldahl Nitrogen |  |  | X |  |
| Nitrate | X |  |  |  |
| Nitrate to Orthophosphate ratio |  |  |  | X |
| Nitrite |  |  |  | X |
| Non-ionised Ammonia |  |  |  | X |
| Orthophosphates | X |  |  |  |
| Oxygen saturation |  |  |  | X |
| Particulate Organic Nitrogen |  |  |  | X |
| pH |  |  | X |  |
| Secchi depth |  | X (lakes) |  | X (rivers) |
| Silicate |  |  |  | X |
| Temperature (water) |  |  | X |  |
| Total Ammonium | X |  |  |  |
| Total Inorganic Nitrogen |  |  |  | X |
| Total Nitrogen | X |  |  |  |
| Total Nitrogen to Total Phosphorus ratio |  |  |  | X |
| Total Organic Carbon (TOC) | X |  |  |  |
| Total Organic Nitrogen |  |  |  | X |
| Total Oxidised Nitrogen | X |  |  |  |
| Total Phosphorus | X |  |  |  |

*\*CAS DD GW: CAS number Data Dictionary groundwater*

*\*CAS DD RiLa: CAS number Data Dictionary rivers and lakes*

#### Table A2: Biology in rivers and lakes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Must keep** | **Should keep** | **Could keep** | **Drop** |
| InvertebrateEQR\_A |  |  |  | X |
| InvertebrateEQR\_E |  |  |  | X |
| InvertebrateEQR\_G | X (rivers) |  |  | X (lakes) |
| InvertebrateEQR\_H |  |  |  | X |
| PhytobenthosEQR\_A |  |  |  | X |
| PhytobenthosEQR\_E | X |  |  |  |
| PhytobenthosEQR\_G |  |  |  | X |
| PhytobenthosEQR\_H |  |  |  | X |
| FishEQR\_A\* |  |  | (X) |  |
| FishEQR\_E |  |  |  | X |
| FishEQR\_G\* |  | (X) |  |  |
| FishEQR\_H\* |  | (X) |  |  |
| PhytoplanktonEQR\_A |  |  |  | X |
| PhytoplanktonEQR\_E | X |  |  |  |
| PhytoplanktonEQR\_G |  |  |  | X |
| PhytoplanktonEQR\_H |  |  |  | X |
| Chlorophyll\_a | X |  |  |  |
| TotalPhytoplanktonBiomass |  |  |  | X |
| CyanobacteriaBiomass |  | X |  |  |
| CyanobacteriaProportion |  |  |  | X |
| MacrophyteEQR\_A |  |  |  | X |
| MacrophyteEQR\_E |  | X |  |  |
| MacrophyteEQR\_G |  |  |  | X |
| MacrophyteEQR\_H |  |  |  | X |
| CharaphytesPresence |  |  |  | X |
| IsoetidesPresence |  |  |  | X |
| MacrophyteDepthLimit |  |  |  | X |

*\* In brackets because depending on the outcome of Quality Fact Sheets on the willingness of the countries to report data on fish*

#### Table A3: Water quality determinants (hazardous substances) in rivers and lakes

(substance group number: 1 = EU-Legislation; 2= RBD specific pollutants; 3 = Pesticides; 4 = Metals and metalloids; 5 = Other organics; 6 = Supportive and inorganic determinants)

| **CAS\_GwEm\*** | **CAS\_RiLaTCM\*\*** | **Name** | **Must keep** | **Should keep** | **Could keep** | **Drop** | **Substance group** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14797-65-0 | 14797-65-0 | Nitrite | x |  |  |  | X |  |  |  |  | X |
| 15972-60-8 | 15972-60-8 | Alachlor | x |  |  |  | X |  | X |  |  |  |
| 1912-24-9 | 1912-24-9 | Atrazine | x |  |  |  | X |  | X |  |  |  |
| 470-90-6 | 470-90-6 | Chlorfenvinphos | x |  |  |  | X |  | X |  |  |  |
| 2921-88-2 | 2921-88-2 | Chlorpyrifos | x |  |  |  | X |  | X |  |  |  |
| 330-54-1 | 330-54-1 | Diuron | x |  |  |  | X |  | X |  |  |  |
| 115-29-7 | 115-29-7 | Endosulfan | x |  |  |  | X |  | X |  |  |  |
| 58-89-9 | 58-89-9 | Gamma-HCH (Lindane) | x |  |  |  | X |  | X |  |  |  |
| 118-74-1 | 118-74-1 | Hexachlorobenzene (HCB) | x |  |  |  | X |  | X |  | X |  |
| 34123-59-6 | 34123-59-6 | Isoproturon | x |  |  |  | X |  | X |  |  |  |
| 122-34-9 | 122-34-9 | Simazine | x |  |  |  | X |  | X |  |  |  |
| 1582-09-8 | 1582-09-8 | Trifluralin | x |  |  |  | X |  | X |  |  |  |
| 7440-36-0 | 7440-36-0 | Antimony | x |  |  |  | X | X |  | X |  |  |
| 7440-38-2 | 7440-38-2 | Arsenic | x |  |  |  | X |  |  | X |  |  |
| 7440-50-8 | 7440-50-8 | Copper | x |  |  |  | X |  |  | X |  |  |
| 7440-39-3 | 7440-39-3 | Barium | x |  |  |  | X |  |  | X |  |  |
| 7440-41-7 | 7440-41-7 | Beryllium | x |  |  |  | X |  |  | X |  |  |
| 7440-66-6 | 7440-66-6 | Zinc | x |  |  |  | X | X |  | X |  |  |
| 7440-43-9 | 7440-43-9 | Cadmium | x |  |  |  | X |  |  | X |  |  |
| 7440-48-4 | 7440-48-4 | Cobalt and its compounds | x |  |  |  | X |  |  | X |  |  |
| 7440-31-5 | 7440-31-5 | Tin and its compounds | x |  |  |  | X |  |  | X |  |  |
| 7440-47-3 | 7440-47-3 | Chromium | x |  |  |  | X |  |  | X |  |  |
| 7439-98-7 | 7439-98-7 | Molybdenum and its compounds | x |  |  |  | X |  |  | X |  |  |
| 7440-02-0 | 7440-02-0 | Nickel | x |  |  |  | X |  |  | X |  |  |
| 7782-49-2 | 7782-49-2 | Selenium and its compounds | x |  |  |  | X |  |  |  |  |  |
| 7440-22-4 | 7440-22-4 | Silver | x |  |  |  | X |  |  | X |  |  |
| 7439-92-1 | 7439-92-1 | Lead | x |  |  |  | X |  |  | X |  |  |
| 7440-61-1 | 7440-61-1 | Uranium | x |  |  |  | X |  |  | X |  |  |
| 7440-62-2 | 7440-62-2 | Vanadium and its compounds | x |  |  |  | X |  |  | X |  |  |
| 7439-97-6 | 7439-97-6 | Mercury | x |  |  |  | X |  |  | X |  |  |
| 87-86-5 | 87-86-5 | Pentachlorophenol | x |  |  |  | X | X | X |  | X |  |
| 51218-45-2 | 51218-45-2 | Metolachlor | x |  |  |  | X |  | X |  |  |  |
| 309-00-2 | 309-00-2 | Aldrin | x |  |  |  | X |  | X |  |  |  |
| 789-02-6 | 789-02-6 | DDT, o,p' | x |  |  |  | X |  | X |  |  |  |
| 50-29-3 | 50-29-3 | DDT, p,p' | x |  |  |  | X |  | X |  |  |  |
| 53-19-0 | 53-19-0 | DDD, o,p' | x |  |  |  | X |  | X |  |  |  |
| 60-57-1 | 60-57-1 | Dieldrin | x |  |  |  | X |  | X |  |  |  |
| 72-20-8 | 72-20-8 | Endrin | x |  |  |  | X |  | X |  |  |  |
| 76-44-8 | 76-44-8 | Heptachlor | x |  |  |  | X |  | X |  |  |  |
| 1024-57-3 | 1024-57-3 | Heptachloroepoxide | x |  |  |  | X |  | X |  |  |  |
| 25057-89-0 | 25057-89-0 | Bentazone | x |  |  |  | X |  | X |  |  |  |
| 319-84-6 | 319-84-6 | Alpha-HCH | x |  |  |  | X |  | X |  |  |  |
| 608-73-1 | 608-73-1 | Hexachlorocyclohexane (HCH) | x |  |  |  | X |  |  |  |  |  |
| 959-98-8 | 959-98-8 | Alpha-Endosulfan | x |  |  |  | X |  | X |  |  |  |
| 56-38-2 | 56-38-2 | Parathion | x |  |  |  | X |  | X |  |  |  |
| 298-00-0 | 298-00-0 | Parathion-methyl | x |  |  |  | X |  | X |  |  |  |
| 139-40-2 | 139-40-2 | Propazine | x |  |  |  | X |  | X |  |  |  |
| 7287-19-6 | 7287-19-6 | Prometryn | x |  |  |  | X |  | X |  |  |  |
| 21725-46-2 | 21725-46-2 | Cyanazine | x |  |  |  | X |  | X |  |  |  |
| 5915-41-3 | 5915-41-3 | Terbuthylazine | x |  |  |  | X |  | X |  |  |  |
| 886-50-0 | 886-50-0 | Terbutryn | x |  |  |  | X |  | X |  |  |  |
| 33693-04-8 | 33693-04-8 | Terbumeton | x |  |  |  | X |  | X |  |  |  |
| 21087-64-9 | 21087-64-9 | Metribuzin | x |  |  |  | X |  | X |  |  |  |
| 314-40-9 | 314-40-9 | Bromacil | x |  |  |  | X |  | X |  |  |  |
| 55512-33-9 | 55512-33-9 | Pyridate | x |  |  |  | X |  | X |  |  |  |
| 94-75-7 | 94-75-7 | 2,4-D | x |  |  |  | X |  | X |  |  |  |
| 120-36-5 | 120-36-5 | Dichlorprop (2,4-DP) | x |  |  |  | X |  | X |  |  |  |
| 93-76-5 | 93-76-5 | 2,4,5-T | x |  |  |  | X |  | X |  |  |  |
| 94-74-6 | 94-74-6 | MCPA | x |  |  |  | X |  | X |  |  |  |
| 94-81-5 | 94-81-5 | MCPB | x |  |  |  | X |  | X |  |  |  |
| 93-72-1 | 93-72-1 | Fenoprop | x |  |  |  | X |  | X |  |  |  |
| 94-82-6 | 94-82-6 | 2,4-DB | x |  |  |  | X |  | X |  |  |  |
| 57837-19-1 | 57837-19-1 | Metalaxyl | x |  |  |  | X |  | X |  |  |  |
| 34256-82-1 | 34256-82-1 | Acetochlor | x |  |  |  | X |  | X |  |  |  |
| 72-43-5 | 72-43-5 | Methoxychlor | x |  |  |  | X |  | X |  |  |  |
| 120-12-7 | 120-12-7 | Anthracene | x |  |  |  | X | X |  |  | X |  |
| 71-43-2 | 71-43-2 | Benzene | x |  |  |  | X |  |  |  | X |  |
| 32534-81-9 | 32534-81-9 | Diphenyl ether, pentabromo derivative | x |  |  |  | X |  |  |  | X |  |
| 85535-84-8 | 85535-84-8 | Chloroalkanes C10-13 | x |  |  |  | X | X |  |  | X |  |
| 107-06-2 | 107-06-2 | 1,2-dichloroethane | x |  |  |  | X |  |  |  | X |  |
| 75-09-2 | 75-09-2 | Dichloromethane | x |  |  |  | X | X |  |  | X |  |
| 117-81-7 | 117-81-7 | Di (2-ethylhexyl) phthalate (DEHP) | x |  |  |  | X |  |  |  | X |  |
| 87-68-3 | 87-68-3 | Hexachlorobutadiene (HCBD) | x |  |  |  | X | X |  |  | X |  |
| 91-20-3 | 91-20-3 | Naphthalene | x |  |  |  | X | X | X |  | X |  |
| 25154-52-3 | 25154-52-3 | Nonylphenol | x |  |  |  | X |  |  |  | X |  |
| 104-40-5 | 104-40-5 | 4-nonylphenol | x |  |  |  | X |  |  |  | X |  |
| 84852-15-3 | 84852-15-3 | 4-nonylphenol, branched | x |  |  |  | X |  |  |  | X |  |
| 1806-26-4 | 1806-26-4 | 4-octylphenol | x |  |  |  | X |  |  |  | X |  |
| 140-66-9 | 140-66-9 | Para-tert-octylphenol | x |  |  |  | X |  |  |  | X |  |
| 608-93-5 | 608-93-5 | Pentachlorobenzene | x |  |  |  | X | X | X |  | X |  |
| 50-32-8 | 50-32-8 | Benzo(a)pyrene | x |  |  |  | X |  |  |  | X |  |
| 205-99-2 | 205-99-2 | Benzo(b)fluoranthene | x |  |  |  | X | X |  |  | X |  |
| 191-24-2 | 191-24-2 | Benzo(g,h,i)perylene | x |  |  |  | X | X |  |  | X |  |
| 207-08-9 | 207-08-9 | Benzo(k)fluoranthene | x |  |  |  | X | X |  |  | X |  |
| 206-44-0 | 206-44-0 | Fluoranthene | x |  |  |  | X | X |  |  | X |  |
| 193-39-5 | 193-39-5 | Indeno(1,2,3-cd)pyrene | x |  |  |  | X | X |  |  | X |  |
| 688-73-3 | 688-73-3 | Tributyltin compounds | x |  |  |  | X |  |  |  | X |  |
| 36643-28-4 | 36643-28-4 | Tributyltin cation | x |  |  |  | X |  | X |  | X |  |
| 12002-48-1 | 12002-48-1 | Trichlorobenzenes | x |  |  |  | X |  |  |  | X |  |
| 120-82-1 | 120-82-1 | 1,2,4-trichlorobenzene | x |  |  |  | X | X |  |  | X |  |
| 67-66-3 | 67-66-3 | Trichloromethane | x |  |  |  | X | X |  |  | X |  |
| 919-86-8 | 919-86-8 | Demeton-S-methyl | x |  |  |  | X |  | X |  |  |  |
| 62-73-7 | 62-73-7 | Dichlorvos | x |  |  |  | X |  | X |  |  |  |
| 60-51-5 | 60-51-5 | Dimethoate | x |  |  |  | X |  | X |  |  |  |
| 465-73-6 | 465-73-6 | Isodrin | x |  |  |  | X |  | X |  |  |  |
| 330-55-2 | 330-55-2 | Linuron | x |  |  |  | X |  | X |  |  |  |
| 1336-36-3 | 1336-36-3 | Polychlorinated biphenyls | x |  |  |  | X |  |  |  | X |  |
| 31508-00-6 | 31508-00-6 | PCB118 | x |  |  |  | X |  |  |  | X |  |
| 32598-13-3 | 32598-13-3 | PCB77 | x |  |  |  | X |  |  |  | X |  |
| 32774-16-6 | 32774-16-6 | PCB169 | x |  |  |  | X |  |  |  | X |  |
| 79-00-5 | 79-00-5 | 1,1,2-trichloroethane | x |  |  |  | X | X |  |  | X |  |
| 108-90-7 | 108-90-7 | Chlorobenzene | x |  |  |  | X | X |  |  | X |  |
| 95-50-1 | 95-50-1 | 1,2-dichlorobenzene | x |  |  |  | X | X |  |  | X |  |
| 541-73-1 | 541-73-1 | 1,3-dichlorobenzene | x |  |  |  | X | X |  |  | X |  |
| 75-01-4 | 75-01-4 | Chloroethene (vinylchloride) | x |  |  |  | X |  |  |  | X |  |
| 79-01-6 | 79-01-6 | 1,1,2-trichloroethene | x |  |  |  | X |  |  |  | X |  |
| 127-18-4 | 127-18-4 | 1,1,2,2-tetrachloroethene | x |  |  |  | X |  |  |  | X |  |
| 56-23-5 | 56-23-5 | Tetrachloromethane | x |  |  |  | X |  | X |  | X |  |
| 108-88-3 | 108-88-3 | Toluene | x |  |  |  | X | X |  |  | X |  |
| 1330-20-7 | 1330-20-7 | Xylene | x |  |  |  | X | X |  |  | X |  |
| 7440-42-8 | 7440-42-8 | Boron | x |  |  |  | X | X |  | X |  |  |
| 57-12-5 | 57-12-5 | Cyanides (as total CN) | x |  |  |  | X |  | X |  | X |  |
| 7440-28-0 | 7440-28-0 | Thallium | x |  |  |  | X |  |  | X | X |  |
| 75-99-0 | 75-99-0 | Dalapon | x |  |  |  | X |  | X |  |  |  |
| 1689-84-5 | 1689-84-5 | Bromoxynil | x |  |  |  | X |  | X |  |  |  |
| 1698-60-8 | 1698-60-8 | Chloridazon | x |  |  |  | X |  | X |  |  |  |
| 26225-79-6 | 26225-79-6 | Ethofumesate | x |  |  |  | X |  | X |  |  |  |
| 67564-91-4 | 67564-91-4 | Fenpropimorph | x |  |  |  | X |  | X |  |  |  |
| 1071-83-6 | 1071-83-6 | Glyphosate | x |  |  |  | X |  | X |  |  |  |
| 51235-04-2 | 51235-04-2 | Hexazinone | x |  |  |  | X |  | X |  |  |  |
| 1689-83-4 | 1689-83-4 | Ioxynil | x |  |  |  | X |  | X |  |  |  |
| 123-33-1 | 123-33-1 | Maleinhydrazid | x |  |  |  | X |  | X |  |  |  |
| 40487-42-1 | 40487-42-1 | Pendimethalin | x |  |  |  | X |  | X |  |  |  |
| 23103-98-2 | 23103-98-2 | Pirimicarb | x |  |  |  | X |  | X |  |  |  |
| 60207-90-1 | 60207-90-1 | Propiconazole | x |  |  |  | X |  | X |  |  |  |
| 534-52-1 | 534-52-1 | Dinitro-o-cresol (DNOC) | x |  |  |  | X |  | X |  | X |  |
| 76-03-9 | 76-03-9 | Trichloroacetic acid | x |  |  |  | X |  | X |  | X |  |
| 1563-66-2 | 1563-66-2 | Carbofuran | x |  |  |  | X |  | X |  |  |  |
| 106-93-4 | 106-93-4 | 1,2-dibromoethane | x |  |  |  | X |  | X |  | X |  |
| 9016-45-9 | 9016-45-9 | Nonylphenolethoxylate | x |  |  |  | X | X | X |  | X |  |
| 71-55-6 | 71-55-6 | 1,1,1-trichloroethane | x |  |  |  | X | X |  |  | X |  |
| 108-95-2 | 108-95-2 | Phenol | x |  |  |  | X |  |  |  | X |  |
| 59-50-7 | 59-50-7 | 3-methyl-4-chlorophenol | x |  |  |  | X |  | X |  | X |  |
| 120-83-2 | 120-83-2 | 2,4-dichlorophenol | x |  |  |  | X |  | X |  | X |  |
| 100-41-4 | 100-41-4 | Ethylbenzene | x |  |  |  | X | X |  |  | X |  |
| 5598-13-0 | 5598-13-0 | Chlorpyrifos-methyl | x |  |  |  | X |  | X |  |  |  |
| 17040-19-6 | 17040-19-6 | Demeton-S-methylsulfon | x |  |  |  | X |  | X |  |  |  |
| 7440-50-8 | 7440-50-8\_dissolved | Copper dissolved | x |  |  |  | X |  |  | X |  |  |
| 7440-66-6 | 7440-66-6\_dissolved | Zinc dissolved | x |  |  |  | X | X |  | X |  |  |
| 7440-43-9 | 7440-43-9\_dissolved | Cadmium dissolved | x |  |  |  | X |  |  | X |  |  |
| 7440-02-0 | 7440-02-0\_dissolved | Nickel dissolved | x |  |  |  | X |  |  | X |  |  |
| 7439-92-1 | 7439-92-1\_dissolved | Lead dissolved | x |  |  |  | X |  |  | X |  |  |
| 7723-14-0 | 7723-14-0 | Phosphorus | x |  |  |  | X | X |  |  |  | X |
| 7440-38-2 | 7440-38-2\_dissolved | Arsenic dissolved | x |  |  |  | X |  |  | X |  |  |
| 7439-97-6 | 7439-97-6\_dissolved | Mercury dissolved | x |  |  |  | X |  |  | X |  |  |
| 7440-47-3 | 7440-47-3\_dissolved | Chromium dissolved | x |  |  |  | X |  |  | X |  |  |
| 1702-17-6 | 1702-17-6 | Clopyralid | x |  |  |  | X |  | X |  |  |  |
| 13684-56-5 | 13684-56-5 | Desmedipham | x |  |  |  | X |  | X |  |  |  |
| 1113-02-6 | 1113-02-6 | Omethoate | x |  |  |  | X |  | X |  |  |  |
| 26259-45-0 | 26259-45-0 | Secbumeton | x |  |  |  | X |  | X |  |  |  |
| 834-12-8 | 834-12-8 | Ametryn | x |  |  |  | X |  | X |  |  |  |
| 57-74-9 | 57-74-9 | Chlordane | x |  |  |  | X |  | X |  |  |  |
| 2385-85-5 | 2385-85-5 | Mirex | x |  |  |  | X |  | X |  |  |  |
| 2310-17-0 | 2310-17-0 | Phosalone | x |  |  |  | X |  | X |  |  |  |
| 122-14-5 | 122-14-5 | Fenitrothion | x |  |  |  | X |  | X |  |  |  |
| 7440-32-6 | 7440-32-6 | Titanium | x |  |  |  | X |  |  | X |  | X |
| 16984-48-8 | 16984-48-8 | Fluorides | x |  |  |  | X |  |  |  |  | X |
| 75-34-3 | 75-34-3 | 1,1-dichloroethane | x |  |  |  | X |  |  |  |  |  |
| 75-35-4 | 75-35-4 | 1,1-dichloroethene | x |  |  |  | X |  |  |  |  |  |
| 540-59-0 | 540-59-0 | 1,2-dichloroethene | x |  |  |  | X |  |  |  |  |  |
| 1746-01-6 | 1746-01-6 | 2,3,7,8-tetrachlorodibenzo-p-dioxin | x |  |  |  | X |  |  |  |  |  |
| 16672-87-0 | 16672-87-0 | 2-chloroethylphosphonic acid | x |  |  |  | X |  | X |  |  |  |
| 106-43-4 | 106-43-4 | 4-chlorotoluene | x |  |  |  | X |  |  |  |  |  |
| 133-06-2 | 133-06-2 | Captan | x |  |  |  | X |  | X |  |  |  |
| 1014-69-3 | 1014-69-3 | Desmetryn | x |  |  |  | X |  | X |  |  |  |
| 115-32-2 | 115-32-2 | Dicofol | x |  |  |  | X |  | X |  |  |  |
| 15165-67-0 | 15165-67-0 | Dichlorprop-P | x |  |  |  | X |  | X |  |  |  |
| 70124-77-5 | 70124-77-5 | Flucythrinate | x |  |  |  | X |  | X |  |  |  |
| 136426-54-5 | 136426-54-5 | Fluquinconazole | x |  |  |  | X |  | X |  |  |  |
| 143-50-0 | 143-50-0 | Chlordecone | x |  |  |  | X |  | X |  |  |  |
| 1918-13-4 | 1918-13-4 | Chlorthiamid | x |  |  |  | X |  | X |  |  |  |
| 18181-70-9 | 18181-70-9 | Iodofenphos | x |  |  |  | X |  | X |  |  |  |
| 121-75-5 | 121-75-5 | Malathion | x |  |  |  | X |  | X |  |  |  |
| 16484-77-8 | 16484-77-8 | Mecoprop-P (MCPP-P) | x |  |  |  | X |  | X |  |  |  |
| 70630-17-0 | 70630-17-0 | Metalaxyl-M | x |  |  |  | X |  | X |  |  |  |
| 10265-92-6 | 10265-92-6 | Methamidophos | x |  |  |  | X |  | X |  |  |  |
| 16752-77-5 | 16752-77-5 | Methomyl | x |  |  |  | X |  | X |  |  |  |
| 32598-14-4 | 32598-14-4 | PCB105 (2,3,3',4,4'-pentachlorobiphenyl) | x |  |  |  | X |  |  |  |  |  |
| 38380-08-4 | 38380-08-4 | PCB156 (2,3,3',4,4',5-hexachlorobiphenyl) | x |  |  |  | X |  |  |  |  |  |
| 52645-53-1 | 52645-53-1 | Permethrin | x |  |  |  | X |  | X |  |  |  |
| 23950-58-5 | 23950-58-5 | Propyzamide | x |  |  |  | X |  | X |  |  |  |
| 82-68-8 | 82-68-8 | Quintozene | x |  |  |  | X |  | X |  |  |  |
| 13071-79-9 | 13071-79-9 | Terbufos | x |  |  |  | X |  | X |  |  |  |
| 2227-13-6 | 2227-13-6 | Tetrasul | x |  |  |  | X |  | X |  |  |  |
| 137-26-8 | 137-26-8 | Thiram | x |  |  |  | X |  | X |  |  |  |
| 8001-35-2 | 8001-35-2 | Toxaphene | x |  |  |  | X |  | X |  |  |  |
| 137-30-4 | 137-30-4 | Ziram | x |  |  |  | X |  | X |  |  |  |
| 14797-65-0 | 14797-65-0 | Nitrite | x |  |  |  | X |  |  |  |  | X |
| 14797-65-0 | 14797-65-0 | Nitrite | x |  |  |  | X |  |  |  |  | X |
| 7440-32-6 | 7440-32-6 | Titanium | x |  |  |  | X |  |  | X |  | X |
| 42576-02-3 | 42576-02-3 | Bifenox | x |  |  |  | X |  | X |  |  |  |
| 28159-98-0 | 28159-98-0 | Cybutryne | x |  |  |  | X |  | X |  |  |  |
| 52315-07-8 | 52315-07-8 | Cypermethrin | x |  |  |  | X |  | X |  |  |  |
| 1763-23-1 | 1763-23-1 | PFOS and its derivatives | x |  |  |  | X |  |  |  | X |  |
| 124495-18-7 | 124495-18-7 | Quinoxyfen | x |  |  |  | X |  | X |  |  |  |
| 70362-50-4 | 70362-50-4 | PCB81 (3,4,4',5-tetrachlorobiphenyl) | x |  |  |  | X |  |  |  |  |  |
| 74472-37-0 | 74472-37-0 | PCB114 (2,3,4,4',5-pentachlorobiphenyl) | x |  |  |  | X |  |  |  |  |  |
| 65510-44-3 | 65510-44-3 | PCB123 (1,2,3-trichloro-5-(2,4-dichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 57465-28-8 | 57465-28-8 | PCB126 (1,2,3-trichloro-5-(3,4-dichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 69782-90-7 | 69782-90-7 | PCB157 (1,2,3-trichloro-5-(2,3,4-trichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 52663-72-6 | 52663-72-6 | PCB167 (1,2,3-trichloro-5-(2,4,5-trichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 39635-31-9 | 39635-31-9 | PCB189 (1,2,3,4-tetrachloro-5-(3,4,5-trichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 3194-55-6 | 3194-55-6 | Hexabromocyclododecane (HBCDD) | x |  |  |  | X |  |  |  | X |  |
| 333-41-5 | 333-41-5 | Diazinon | x |  |  |  | X | X | X |  | X |  |
| 79-34-5 | 79-34-5 | 1,1,2,2-tetrachloroethane | x |  |  |  | X |  |  |  |  |  |
| 78-87-5 | 78-87-5 | 1,2-dichloropropane | x |  |  |  | X |  | X |  |  |  |
| 106-46-7 | 106-46-7 | 1,4-dichlorobenzene | x |  |  |  | X |  | X |  |  |  |
| 95-49-8 | 95-49-8 | 2-chlorotoluene | x |  |  |  | X |  |  |  |  |  |
| 133855-98-8 | 133855-98-8 | Epoxiconazole | x |  |  |  | X |  | X |  |  |  |
| 98-82-8 | 98-82-8 | Isopropylbenzene | x |  |  |  | X |  |  |  |  |  |
| NA | no CAS HS 19 | Brominated diphenylethers | x |  |  |  |  |  |  |  | X |  |
| NA | no CAS HS 9 | Polychlorinated dibenzodioxins (PCDD) | x |  |  |  | X |  |  |  |  |  |
| NA | no CAS HS 35 | octylphenols | x |  |  |  |  |  |  |  | X |  |
| 7085-19-0 | 7085-19-0 | Mecoprop | x |  |  |  | X |  |  |  |  |  |
| 262-12-4 | 262-12-4 | Dibenzodioxin | x |  |  |  | X |  |  |  |  |  |
| NA | no CAS HS 17 | TCDD (dioxins and furans) | x |  |  |  |  |  |  |  | X |  |
| 74070-46-5 | 74070-46-5 | Aclonifen | x |  |  |  | X |  | X |  |  |  |
| 57-63-6 | 57-63-6 | 17alpha-ethinylestradiol | x |  |  |  | X |  |  |  | X |  |
| 50-28-2 | 50-28-2 | 17beta-estradiol | x |  |  |  | X |  |  |  | X |  |
| 15307-86-5 | 15307-86-5 | Diclofenac | x |  |  |  | X | X |  |  | X |  |
| 35065-30-6 | 35065-30-6 | PCB170 (1,2,3,4-tetrachloro-5-(2,3,4-trichlorophenyl)benzene) | x |  |  |  | X |  |  |  |  |  |
| 7429-90-5 | 7429-90-5 | Aluminium and its compounds |  |  | x |  |  | X |  | X |  |  |
| 7429-90-5 | 7429-90-5\_dissolved | Aluminium dissolved |  |  | x |  |  | X |  | X |  |  |
| 3424-82-6 | 3424-82-6 | DDE, o,p' | x |  |  |  | X |  | X |  |  |  |
| 72-55-9 | 72-55-9 | DDE, p,p' | x |  |  |  | X |  | X |  |  |  |
| 72-54-8 | 72-54-8 | DDD, p,p' | x |  |  |  | X |  | X |  |  |  |
| 319-85-7 | 319-85-7 | Beta-HCH | x |  |  |  | X |  | X |  |  |  |
| 319-86-8 | 319-86-8 | Delta-HCH | x |  |  |  | X |  | X |  |  |  |
| 6108-10-07 | 6108-10-07 | Epsilon-HCH | x |  |  |  | X |  | X |  |  |  |
| 33213-65-9 | 33213-65-9 | Beta-Endosulfan | x |  |  |  | X |  | X |  |  |  |
| 6190-65-4 | 6190-65-4 | Desethylatrazine | x |  |  |  | X |  | X |  |  |  |
| 1007-28-9 | 1007-28-9 | Desisopropylatrazine | x |  |  |  | X |  | X |  |  |  |
| 41394-05-2 | 41394-05-2 | Metamitron | x |  |  |  | X |  | X |  |  |  |
| 7286-69-3 | 7286-69-3 | Sebuthylazine | x |  |  |  | X |  | X |  |  |  |
| 1918-00-9 | 1918-00-9 | Dicamba | x |  |  |  | X |  | X |  |  |  |
| 67129-08-2 | 67129-08-2 | Metazachlor | x |  |  |  | X |  | X |  |  |  |
| 3397-62-4 | 3397-62-4 | Deisopropyldeethylatrazine | x |  |  |  | X |  | X |  |  |  |
| 30125-63-4 | 30125-63-4 | Desethylterbuthylazine | x |  |  |  | X |  | X |  |  |  |
| 16655-82-6 | 16655-82-6 | 3-hydroxycarbofuran | x |  |  |  | X |  | X |  |  |  |
| 2599-11-3 | 2599-11-3 | Hydroxysimazine | x |  |  |  | X |  | X |  |  |  |
| 1194-65-6 | 1194-65-6 | Dichlobenil | x |  |  |  | X |  | X |  |  |  |
| 2008-58-4 | 2008-58-4 | 2,6-dichlorobenzamide | x |  |  |  | X |  | X |  |  |  |
| NA | no CAS HS 22 | DDT sum = (DDT, o,p' + DDT, p,p') |  | x |  |  |  |  |  |  | X |  |
| 2163-68-0 | 2163-68-0 | Hydroxyatrazine | x |  |  |  | X |  | X |  |  |  |
| 64902-72-3 | 64902-72-3 | Chlorsulfuron | x |  |  |  | X |  | X |  |  |  |
| 96-45-7 | 96-45-7 | Ethylenethiourea (ETU) | x |  |  |  | X |  | X |  |  |  |
| 2164-08-1 | 2164-08-1 | Lenacil | x |  |  |  | X |  | X |  |  |  |
| 74233-64-6 | 74233-64-6 | Metsulfuronmethyl | x |  |  |  | X |  | X |  |  |  |
| 66753-07-9 | 66753-07-9 | Hydroxyterbuthylazine | x |  |  |  | X |  | X |  |  |  |
| 88-85-7 | 88-85-7 | Dinoseb | x |  |  |  | X |  | X |  |  |  |
| 1066-51-9 | 1066-51-9 | Aminomethylphosphonic acid (AMPA) | x |  |  |  | X |  | X |  |  |  |
| 3307-39-9 | 3307-39-9 | 2-(4-chlorophenoxy)propionic acid (4-CPP) | x |  |  |  | X |  | X |  |  |  |
| 1610-18-0 | 1610-18-0 | Prometon | x |  |  |  | X |  | X |  |  |  |
| 25140-90-3 | 25140-90-3 | 2-(2,6-dichlorophenoxy)propionic acid (2,6-DCPP) | x |  |  |  | X |  | X |  |  |  |
| NA | no CAS HS 30 | Pesticides (sum) |  | x |  |  |  |  | X |  |  |  |
| 104-35-8 | 104-35-8 | 4-nonylphenol mono-ethoxylate (NP1EO) |  |  | x |  |  | X |  |  | X |  |
| 20427-84-3 | 20427-84-3 | 4-nonylphenol di-ethoxylate (NP2EO) |  |  | x |  |  | X |  |  | X |  |
| 29122-68-7 | 29122-68-7 | Atenolol |  |  | x |  |  |  |  |  | X |  |
| 83905-01-5 | 83905-01-5 | Azitromycin |  |  | x |  |  |  |  |  | X |  |
| 95-14-7 | 95-14-7 | Benzotriazol |  |  | x |  |  | X |  |  | X |  |
| 41859-67-0 | 41859-67-0 | Bezafibrate |  |  | x |  |  |  |  |  | X |  |
| 298-46-4 | 298-46-4 | Carbamazepin |  |  | x |  |  | X |  |  | X |  |
| 81103-11-9 | 81103-11-9 | Clarithromycin |  |  | x |  |  |  |  |  | X |  |
| 15687-27-1 | 15687-27-1 | Ibuprofen |  |  | x |  |  |  |  |  | X |  |
| 136-85-6 | 136-85-6 | Methylbenzotriazol |  |  | x |  |  | X |  |  | X |  |
| 37350-58-6 | 37350-58-6 | Metoprolol |  |  | x |  |  |  |  |  | X |  |
| 22204-53-1 | 22204-53-1 | Naproxen |  |  | x |  |  |  |  |  | X |  |
| 723-46-6 | 723-46-6 | Sulfamethoxazol |  |  | x |  |  | X |  |  | X |  |
| 738-70-5 | 738-70-5 | Trimethoprim |  |  | x |  |  |  |  |  | X |  |
| 3115-49-9 | 3115-49-9 | Nonylphenoxyacetic acid (NPE1C) |  |  | x |  |  | X |  |  | X |  |
| 58-08-2 | 58-08-2 | Caffeine |  |  | x |  |  | X |  |  | X |  |
| 13351-73-0 | 13351-73-0 | Tolyltriazole |  |  | x |  |  | X |  |  | X |  |
| 335-67-1 | 335-67-1 | PFOA |  |  | x |  |  | X |  |  | X |  |
| 134-62-3 | 134-62-3 | Diethyltoluamide (DEET) |  | x |  |  |  | X | X |  | X |  |
| 297-78-9 | 297-78-9 | Isobenzan |  | x |  |  |  |  | X |  |  |  |
| 112410-23-8 | 112410-23-8 | Tebufenozide |  | x |  |  |  |  | X |  |  |  |
| 6164-98-3 | 6164-98-3 | Chlordimeform |  | x |  |  |  |  | X |  |  |  |
| 140-57-8 | 140-57-8 | Aramite |  | x |  |  |  |  | X |  |  |  |
| 1002-53-5 | 1002-53-5 | Dibutyltin |  |  | x |  |  |  |  |  | X |  |
| 13356-08-6 | 13356-08-6 | Fenbutatin oxide |  | x |  |  |  |  | X |  |  |  |
| 7440-70-2 | 7440-70-2 | Calcium | x |  |  |  |  |  |  |  |  | X |
| 7439-95-4 | 7439-95-4 | Magnesium | x |  |  |  |  |  |  |  |  | X |
| 7440-23-5 | 7440-23-5 | Sodium | x |  |  |  |  |  |  |  |  | X |
| 7440-09-7 | 7440-09-7 | Potassium | x |  |  |  |  |  |  |  |  | X |
| 7440-33-7 | 7440-33-7 | Tungsten and its compounds |  |  |  | x |  |  |  | X |  |  |
| 106-42-3 | 106-42-3 | P-xylene |  | x |  |  |  | X |  |  | X |  |
| 106-44-5 | 106-44-5 | P-cresol |  | x |  |  |  |  |  |  | X |  |
| 108-38-3 | 108-38-3 | M-xylene |  | x |  |  |  | X |  |  | X |  |
| 52236-30-3 | 52236-30-3 | Desamino-diketo-metribuzin | x |  |  |  | X |  | X |  |  |  |
| 56507-37-0 | 56507-37-0 | Diketo-metribuzin | x |  |  |  | X |  | X |  |  |  |
| 50-30-6 | 50-30-6 | 2,6-dichlorobenzoic acid | x |  |  |  | X |  | X |  |  |  |
| 187022-11-3 | 187022-11-3 | Acetochlor ESA | x |  |  |  | X |  | X |  |  |  |
| 194992-44-4 | 194992-44-4 | Acetochlor OA | x |  |  |  | X |  | X |  |  |  |
| 171118-09-5 | 171118-09-5 | Metolachlor ESA | x |  |  |  | X |  | X |  |  |  |
| 152019-73-3 | 152019-73-3 | Metolachlor OA | x |  |  |  | X |  | X |  |  |  |
| 142363-53-9 | 142363-53-9 | Alachlor ESA | x |  |  |  | X |  | X |  |  |  |
| 171262-17-2 | 171262-17-2 | Alachlor OA | x |  |  |  | X |  | X |  |  |  |
| 172960-62-2 | 172960-62-2 | Metazachlor ESA | x |  |  |  | X |  | X |  |  |  |
| 1231244-60-2 | 1231244-60-2 | Metazachlor OA | x |  |  |  | X |  | X |  |  |  |
| 50563-36-5 | 50563-36-5 | Dimethachlor | x |  |  |  | X |  | X |  |  |  |
| 6339-19-1 | 6339-19-1 | Chloridazon desphenyl | x |  |  |  | X |  | X |  |  |  |
| 17254-80-7 | 17254-80-7 | Chloridazon methyl desphenyl | x |  |  |  | X |  | X |  |  |  |
| 35065-27-1 | 35065-27-1 | PCB153 (2,2',4,4',5,5'-hexachlorobiphenyl) |  |  | x |  |  |  |  |  | X |  |
| 35065-28-2 | 35065-28-2 | PCB138 (2,2',3,4,4',5'-hexachlorobiphenyl) |  |  | x |  |  |  |  |  | X |  |
| 35065-29-3 | 35065-29-3 | PCB180 (2,2',3,4,4',5,5'-heptachlorobiphenyl) |  |  | x |  |  |  |  |  | X |  |
| 35693-99-3 | 35693-99-3 | PCB52 (2,2',5,5'-tetrachlorobiphenyl) |  |  | x |  |  |  |  |  | X |  |
| 56-55-3 | 56-55-3 | Benzo(a)anthracene |  |  | x |  |  | X |  |  | X |  |
| 7012-37-5 | 7012-37-5 | PCB28 (2,4,4'-trichlorobiphenyl) |  |  | x |  |  |  |  |  | X |  |
| 100-42-5 | 100-42-5 | Styrene |  |  | x |  |  |  |  |  | X |  |
| 84-66-2 | 84-66-2 | Di-ethyl phthalate |  |  | x |  |  |  |  |  | X |  |
| 80-05-7 | 80-05-7 | Bisphenol A |  |  | x |  |  |  |  |  | X |  |
| 84-74-2 | 84-74-2 | Di-(n-butyl) phthalate |  |  | x |  |  |  |  |  | X |  |
| 1836-75-5 | 1836-75-5 | Nitrophen |  | x |  |  |  |  | X |  |  |  |
| 85-68-7 | 85-68-7 | Butyl benzyl phthalate (BBP) |  |  | x |  |  |  |  |  | X |  |
| 135-19-3 | 135-19-3 | 2-naphthol |  |  | x |  |  |  |  |  | X |  |
| 79-94-7 | 79-94-7 | Tetrabromobisphenol A (TBBP-A) |  |  | x |  |  |  |  |  | X |  |
| 121-14-2 | 121-14-2 | 2,4-dinitrotoluene |  |  | x |  |  |  |  |  | X |  |
| 107-46-0 | 107-46-0 | Hexamethyldisiloxane (HMDS) |  |  | x |  |  |  |  |  | X |  |
| 108-70-3 | 108-70-3 | 1,3,5-trichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 732-26-3 | 732-26-3 | 2,4,6-tri-tert-butylphenol |  |  | x |  |  |  |  |  | X |  |
| 87-61-6 | 87-61-6 | 1,2,3-trichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 88-06-2 | 88-06-2 | 2,4,6-trichlorophenol |  |  | x |  |  |  |  |  | X |  |
| 91-57-6 | 91-57-6 | 2-methylnaphthalene |  |  | x |  |  |  |  |  | X |  |
| 77-47-4 | 77-47-4 | Hexachlorocyclopentadiene (HCCP) |  |  | x |  |  |  |  |  | X |  |
| 23593-75-1 | 23593-75-1 | Clotrimazole |  |  | x |  |  |  |  |  | X |  |
| 1570-64-5 | 1570-64-5 | 4-chloro-2-methylphenol |  | x |  |  |  |  | X |  | X |  |
| 74-83-9 | 74-83-9 | Bromomethane |  | x |  |  |  |  | X |  |  |  |
| 4904-61-4 | 4904-61-4 | 1,5,9-cyclododecatriene |  |  | x |  |  |  |  |  | X |  |
| 294-62-2 | 294-62-2 | Cyclododecane |  |  | x |  |  |  |  |  | X |  |
| 1163-19-5 | 1163-19-5 | Bis(pentabromophenyl) ether |  |  | x |  |  |  |  |  | X |  |
| 1335-87-1 | 1335-87-1 | Hexachloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 793-24-8 | 793-24-8 | 4-(dimethylbutylamino) diphenylamin (6PPD) |  |  | x |  |  |  |  |  | X |  |
| 32536-52-0 | 32536-52-0 | Diphenyl ether, octabromo deviate |  |  | x |  |  |  |  |  | X |  |
| 39765-80-5 | 39765-80-5 | Nonachlor-trans |  |  | x |  |  |  |  |  | X |  |
| 603-35-0 | 603-35-0 | Triphenylphosphine |  |  | x |  |  |  |  |  | X |  |
| 51000-52-3 | 51000-52-3 | Vinyl neodecanoate |  |  | x |  |  |  |  |  | X |  |
| 7440-24-6 | 7440-24-6 | Strontium |  |  |  | x |  |  |  | X |  |  |
| 84-69-5 | 84-69-5 | Di-iso-butyl phthalate |  |  |  | x |  |  |  |  | X |  |
| 7439-93-2 | 7439-93-2 | Lithium |  |  |  | x |  |  |  |  | X |  |
| 25167-83-3 | 25167-83-3 | Tetrachlorophenols |  |  |  | x |  |  |  |  | X |  |
| 95-87-4 | 95-87-4 | 2,5-dimethylphenol |  |  |  | x |  |  |  |  | X |  |
| 7439-89-6 | 7439-89-6 | Iron and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7439-96-5 | 7439-96-5 | Manganese and its compounds |  |  |  | x |  |  |  | X |  |  |
| 24959-67-9 | 24959-67-9 | Bromide |  |  |  | x |  |  |  |  |  | X |
| 20461-54-5 | 20461-54-5 | Iodide |  |  |  | x |  |  |  |  |  | X |
| 7439-96-5 | 7439-96-5\_dissolved | Manganese dissolved |  |  |  | x |  |  |  | X |  |  |
| 7439-89-6 | 7439-89-6\_dissolved | Iron dissolved |  |  |  | x |  |  |  | X |  |  |
| 7782-41-4 | 7782-41-4 | Fluorine |  |  |  | x |  |  |  |  |  | X |
| 7782-41-4 | 7782-41-4 | Fluorine |  |  |  | x |  |  |  |  |  | X |
| 50-00-0 | 50-00-0 | Formaldehyde |  | x |  |  |  |  | X |  | X |  |
| 95-47-6 | 95-47-6 | O-xylene |  | x |  |  |  | X |  |  | X |  |
| 95-48-7 | 95-48-7 | 2-methyl-phenol |  | x |  |  |  |  |  |  | X |  |
| 96-18-4 | 96-18-4 | 1,2,3-trichloropropane |  | x |  |  |  |  |  |  | X |  |
| 81-15-2 | 81-15-2 | Musk xylene |  | x |  |  |  |  |  |  | X |  |
| 1634-04-4 | 1634-04-4 | MTBE |  | x |  |  |  | X |  |  | X |  |
| 60-00-4 | 60-00-4 | EDTA |  | x |  |  |  | X |  |  | X |  |
| 107-13-1 | 107-13-1 | Acrylonitrile |  | x |  |  |  |  |  |  | X |  |
| 151-21-3 | 151-21-3 | Sodium dodecyl sulfate |  | x |  |  |  |  |  |  | X |  |
| 131-11-3 | 131-11-3 | Dimethyl phthalate |  |  | x |  |  |  |  |  | X |  |
| 139-13-9 | 139-13-9 | NTA |  |  | x |  |  | X |  |  | X |  |
| 189084-64-8 | 189084-64-8 | PBDE100 (2,2',4,4',6-pentabromodiphenyl ether) |  |  | x |  |  |  |  |  | X |  |
| 207122-15-4 | 207122-15-4 | PBDE154 (2,2',4,4',5,6'-hexabromodiphenyl ether) |  |  | x |  |  |  |  |  | X |  |
| 5436-43-1 | 5436-43-1 | PBDE47 (2,2',4,4'-tetrabromodiphenyl ether) |  |  | x |  |  |  |  |  | X |  |
| 60348-60-9 | 60348-60-9 | 2,2',4,4',5-pentabromodiphenyl ether (BDE99) |  |  | x |  |  |  |  |  | X |  |
| 68631-49-2 | 68631-49-2 | PBDE153 (2,2',4,4',5,5'-hexabromodiphenyl ether) |  |  | x |  |  |  |  |  | X |  |
| 83-32-9 | 83-32-9 | Acenaphthene |  |  | x |  |  |  |  |  | X |  |
| 218-01-9 | 218-01-9 | Chrysene |  |  | x |  |  |  |  |  | X |  |
| 85-01-8 | 85-01-8 | Phenanthrene |  |  | x |  |  |  |  |  | X |  |
| 129-00-0 | 129-00-0 | Pyrene |  |  | x |  |  |  |  |  | X |  |
| 53-70-3 | 53-70-3 | Dibenzo(a,h)anthracene |  |  | x |  |  | X |  |  | X |  |
| 208-96-8 | 208-96-8 | Acenaphthylene |  |  | x |  |  |  |  |  | X |  |
| 86-73-7 | 86-73-7 | Fluorene |  |  | x |  |  |  |  |  | X |  |
| 90-12-0 | 90-12-0 | 1-methylnaphthalene |  |  | x |  |  |  |  |  | X |  |
| 37680-73-2 | 37680-73-2 | PCB101 (2,2',4,5,5'-pentachlorobiphenyl) |  | x |  |  |  |  |  |  | X |  |
| 2051-24-3 | 2051-24-3 | 5,5',6,6'-decachlorobiphenyl (CB209) |  | x |  |  |  |  |  |  | X |  |
| 35694-08-7 | 35694-08-7 | PCB194 (1,2,3,4-tetrachloro-5-(2,3,4,5-tetrachlorophenyl)benzene) |  | x |  |  |  |  |  |  | X |  |
| 108-67-8 | 108-67-8 | 1,3,5-trimethylbenzene |  |  | x |  |  |  |  |  | X |  |
| 95-63-6 | 95-63-6 | 1,2,4-trimethylbenzene |  |  | x |  |  |  |  |  | X |  |
| 135-98-8 | 135-98-8 | sec-butylbenzene |  |  | x |  |  |  |  |  | X |  |
| 98-06-6 | 98-06-6 | tert-butylbenzene |  |  | x |  |  |  |  |  | X |  |
| 108-86-1 | 108-86-1 | Bromobenzene |  |  | x |  |  |  |  |  | X |  |
| 103-65-1 | 103-65-1 | n-propylbenzene |  |  | x |  |  |  |  |  | X |  |
| 104-51-8 | 104-51-8 | n-butylbenzene |  |  | x |  |  |  |  |  | X |  |
| 99-87-6 | 99-87-6 | 4-isopropyltoluene |  |  | x |  |  |  |  |  | X |  |
| 98-51-1 | 98-51-1 | 4-tert-butyltoluene |  |  | x |  |  |  |  |  | X |  |
| 118-96-7 | 118-96-7 | 2,4,6-trinitrotoluene |  |  | x |  |  |  |  |  | X |  |
| 156-59-2 | 156-59-2 | Cis-1,2-dichloroethene |  |  |  | x |  | X |  |  | X |  |
| 56573-85-4 | 56573-85-4 | Tributyltin |  | x |  |  |  |  |  |  | X |  |
| 131-18-0 | 131-18-0 | Dipentyl phthalate |  |  | x |  |  |  |  |  | X |  |
| 131-16-8 | 131-16-8 | Dipropyl phthalate |  |  | x |  |  |  |  |  | X |  |
| 32241-08-0 | 32241-08-0 | Heptachloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 70776-03-3 | 70776-03-3 | Naphthalene, chloro derivatives |  |  | x |  |  |  |  |  | X |  |
| 2234-13-1 | 2234-13-1 | Octachloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 1321-64-8 | 1321-64-8 | Pentachloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 1335-88-2 | 1335-88-2 | Tetrachloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 1321-65-9 | 1321-65-9 | Trichloronaphthalene |  |  | x |  |  |  |  |  | X |  |
| 36355-01-8 | 36355-01-8 | Hexabromobiphenyl |  |  | x |  |  |  |  |  | X |  |
| 182677-30-1 | 182677-30-1 | 2,2',3,4,4',5'-hexabromodiphenyl ether (BD(E)138) |  |  | x |  |  |  |  |  | X |  |
| 182346-21-0 | 182346-21-0 | 2,2',3,4,4'-pentabromodiphenyl ether (BDE85) |  |  | x |  |  |  |  |  | X |  |
| 41318-75-6 | 41318-75-6 | PBDE28 |  |  | x |  |  |  |  |  | X |  |
| 101-55-3 | 101-55-3 | 4-bromophenyl phenyl ether |  |  | x |  |  |  |  |  | X |  |
| 10028-17-8 | 10028-17-8 | Tritium |  |  |  | x |  |  |  | X |  |  |
| 2104-64-5 | 2104-64-5 | O-Ethyl O-(p-nitrophenyl) phenylphosphonothiolate |  |  |  | x |  |  | X |  |  |  |
| 60328-60-9 | 60328-60-9 | PBDE99 |  |  | x |  |  |  |  |  | X |  |
| 60145-21-3 | 60145-21-3 | PCB103 |  | x |  |  |  |  |  |  | X |  |
| 70362-41-3 | 70362-41-3 | PCB106 |  | x |  |  |  |  |  |  | X |  |
| 12767-79-2 | 12767-79-2 | Aroclor |  | x |  |  |  |  |  |  | X |  |
| 1861-40-1 | 1861-40-1 | Benfluralin |  | x |  |  |  |  | X |  |  |  |
| 120928-09-8 | 120928-09-8 | Fenazaquin |  | x |  |  |  |  | X |  |  |  |
| 4234-79-1 | 4234-79-1 | Kelevan |  | x |  |  |  |  | X |  |  |  |
| 4636-83-3 | 4636-83-3 | Morfamquat |  | x |  |  |  |  | X |  |  |  |
| NA | no CAS HS 28 | Chromium 3+ |  |  | x |  |  |  |  | X |  |  |
| NA | no CAS HS 29 | Chromium 6+ |  |  | x |  |  |  |  | X |  |  |
| NA | no CAS HS 26 | Chloride |  | x |  |  |  | X |  |  |  | X |
| NA | no CAS HS 32 | Sulphate |  | x |  |  |  | X |  |  |  | X |
| NA | no CAS HS 10 | Radionuclides |  |  |  | x |  |  |  |  |  |  |
| NA | no CAS HS 15 | PCB (sum) |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 8 | PCB Total (congeners 28, 52, 101, 118, 138, 153, 180) |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 16 | PCB7 (sum) |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 18 | Total PCBs |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 14 | PAH excl Bicycl (sum) |  |  | x |  |  |  |  |  | X |  |
| NA | no CAS | BTEX - new substance for Emissions - end of 2013 |  |  | x |  |  |  |  |  | X |  |
| NA | no CAS HS 2 | Brominated flame retardants |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 23 | DDT total according Directive 2008/105/EC = (DDT, o,p' + DDT, p,p' + DDE, p,p' + DDD, p,p') |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 12 | DDT + DDE + DDD total = (DDT, o,p' + DDT, p,p' + DDE, o,p' + DDE, p,p' + DDD, o,p' + DDD, p,p') |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 21 | DDE sum = (DDE, o,p' + DDE, p,p') |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 20 | DDD (TDE) sum = (DDD, o,p' + DDD, p,p') |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 13 | Polyaromatic hydro-carbons (PAH) (sum) in 2014 should be corrected to "Polyaromatic hydrocarbons (PAH) (sum)" | x |  |  |  | X |  |  |  |  |  |
| NA | no CAS HS 1 | Adsorbable organic halogens (AOX) | x |  |  |  |  |  |  |  | X |  |
| 136677-10-6 | 136677-10-6 | Polychlorinated dibenzofurans (PCDF) |  | x |  |  |  |  |  |  | X |  |
| 95-95-4 | 95-95-4 | 2,4,5-trichlorophenol |  | x |  |  |  |  | X |  | X |  |
| 87-65-0 | 87-65-0 | 2,6-dichlorophenol |  |  | x |  |  |  |  |  | X |  |
| 58-90-2 | 58-90-2 | 2,3,4,6-tetrachlorophenol |  |  | x |  |  |  |  |  | X |  |
| 4901-51-3 | 4901-51-3 | 2,3,4,5-tetrachlorophenol |  |  | x |  |  |  |  |  | X |  |
| NA | no CAS HS 36 | meta + para xylene |  |  | x |  |  |  |  |  | X |  |
| 75-27-4 | 75-27-4 | Dichlorobromomethane |  | x |  |  |  |  |  |  | X |  |
| NA | no CAS HS 34 | Phenols |  | x |  |  |  |  |  |  | X |  |
| 156-60-5 | 156-60-5 | Trans 1,2-dichloroethene |  | x |  |  |  |  |  |  | X |  |
| 124-48-1 | 124-48-1 | Dibromochloromethane |  | x |  |  |  |  |  |  | X |  |
| 75-69-4 | 75-69-4 | Trichlorofluoromethane |  |  |  | x |  |  |  |  | X |  |
| 75-71-8 | 75-71-8 | Dichlorodifluoromethane |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 24 | Dichlorobenzene |  |  |  | x |  | X |  |  | X |  |
| NA | no CAS HS 25 | Dichlorophenol |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 33 | Volatile organic halogens (VOX) |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 27 | Chlorine Cl- |  |  |  | x |  |  |  |  |  | X |
| 100-02-7 | 100-02-7 | Nitrophenol |  |  | x |  |  |  |  |  | X |  |
| 526-75-0 | 526-75-0 | 2,3-dimethyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 106-44-4 | 106-44-4 | 4-methyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 95-65-8 | 95-65-8 | 3,4-dimethyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 133-53-9 | 133-53-9 | 3,5-dimethyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 576-26-1 | 576-26-1 | 2,6-dimethyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 105-67-9 | 105-67-9 | 2,4-dimethyl-phenol |  |  | x |  |  |  |  |  | X |  |
| 85540-50-1 | 85540-50-1 | 6-chloro-2-dimethylphenol |  |  | x |  |  |  |  |  | X |  |
| 1570-65-6 | 1570-65-6 | 4,6-dichloro-2-methylphenol |  |  | x |  |  |  |  |  | X |  |
| 1070-78-6 | 1070-78-6 | 1,1,1,3-tetrachloropropane |  |  |  | x |  |  |  |  | X |  |
| 36065-30-2 | 36065-30-2 | 2,4,6-tribromophenyl 2-methyl-2,3-dibromopropyl ether |  |  | x |  |  |  |  |  | X |  |
| 55525-54-7 | 55525-54-7 | 3,3'-(ureylenedimethylene)bis(3,5,5'-trimethylcyclohexyl) diisocyanate |  |  | x |  |  |  |  |  | X |  |
| 1689-99-2 | 1689-99-2 | Bromoxynil octanoate |  | x |  |  |  |  | X |  |  |  |
| NA | no CAS HS 3 | Detergents |  |  |  | x |  |  |  |  | X |  |
| 512-04-9 | 512-04-9 | Diosgenin |  |  | x |  |  |  |  |  | X |  |
| NA | no CAS HS 4 | Extractable organically bound chlorine |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 5 | Extractable persistent organically bound chlorine |  |  |  | x |  |  |  |  | X |  |
| 144-49-0 | 144-49-0 | Fluoroacetic acid |  | x |  |  |  |  |  |  | X |  |
| 85-22-3 | 2440-02-0 | Heptachloronorbornene |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 6 | Hydrocarbons |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 11 | Chrysene+Triphenylene (sum) |  |  | x |  |  |  |  |  | X |  |
| 85-22-3 | 85-22-3 | Pentabromoethylbenzene |  |  |  | x |  |  |  |  | X |  |
| 1825-21-4 | 1825-21-4 | Pentachloroanisole |  |  | x |  |  |  |  |  | X |  |
| 16478-18-5 | 16478-18-5 | Pentachloroiodobenzene |  |  |  | x |  |  |  |  | X |  |
| 630-20-6 | 630-20-6 | 1,1,1,2-tetrachloroethane |  |  |  | x |  |  |  |  | X |  |
| 563-58-6 | 563-58-6 | 1,1-dichloropropene |  |  |  | x |  |  |  |  | X |  |
| 96-12-8 | 96-12-8 | 1,2-dibromo-3-chloropropane |  |  |  | x |  |  |  |  | X |  |
| 142-28-9 | 142-28-9 | 1,3-dichloropropane |  |  |  | x |  |  |  |  | X |  |
| 594-20-7 | 594-20-7 | 2,2-dichloropropane |  |  |  | x |  |  |  |  | X |  |
| 74-97-5 | 74-97-5 | Bromochloromethane |  |  |  | x |  |  |  |  | X |  |
| 75-25-2 | 75-25-2 | Bromoform |  |  |  | x |  |  |  |  | X |  |
| 156-59-2 | 156-59-2 | c-1,2-dichloroethene |  |  | x |  |  |  |  |  | X |  |
| 10061-01-5 | 10061-01-5 | c-1,3-dichloropropene |  |  |  | x |  |  |  |  | X |  |
| 74-95-3 | 74-95-3 | Dibromomethane |  |  |  | x |  |  |  |  | X |  |
| 10061-02-6 | 10061-02-6 | t-1,3-dichloropropene |  |  |  | x |  |  |  |  | X |  |

*\*CAS DD GW: CAS number Data Dictionary groundwater*

*\*CAS DD RiLa: CAS number Data Dictionary rivers and lakes*

#### Table A4: Water quality (nutrients and hazardous substances) determinants in groundwater

(substance group number: 1 = EU-Legislation; 2= RBD specific pollutants; 3 = Pesticides; 4 = Metals and metalloids; 5 = Other organics; 6 = Supportive and inorganic determinants)

| **CAS\_ GwEm** | **CAS\_ RiLaTCM** | **Name** | **Must keep** | **Should keep** | **Could keep** | **Drop** | **Substance group** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14797-55-8 | 14797-55-8 | Nitrate | x |  |  |  | GWD |  |  |  |  | X |
| 14798-03-9 | 14798-03-9 | Ammonium | x |  |  |  | GWD |  |  |  |  | X |
| 14797-65-0 | 14797-65-0 | Nitrite |  |  |  | x | DWD |  |  |  |  | X |
| 7782-44-7 | 7782-44-7 | Dissolved Oxygen |  |  | x |  | WFD |  |  |  |  | X |
| 15972-60-8 | 15972-60-8 | Alachlor | x |  |  |  | GWD |  | X |  |  |  |
| 1912-24-9 | 1912-24-9 | Atrazine | x |  |  |  | GWD |  | X |  |  |  |
| 470-90-6 | 470-90-6 | Chlorfenvinphos | x |  |  |  | GWD |  | X |  |  |  |
| 2921-88-2 | 2921-88-2 | Chlorpyrifos | x |  |  |  | GWD |  | X |  |  |  |
| 330-54-1 | 330-54-1 | Diuron | x |  |  |  | GWD |  | X |  |  |  |
| 115-29-7 | 115-29-7 | Endosulfan | x |  |  |  | GWD |  | X |  |  |  |
| 58-89-9 | 58-89-9 | Gamma-HCH (Lindane) | x |  |  |  | GWD |  | X |  |  |  |
| 118-74-1 | 118-74-1 | Hexachlorobenzene (HCB) | x |  |  |  | WFD |  |  |  | X |  |
| 34123-59-6 | 34123-59-6 | Isoproturon | x |  |  |  | GWD |  | X |  |  |  |
| 122-34-9 | 122-34-9 | Simazine | x |  |  |  | GWD |  | X |  |  |  |
| 1582-09-8 | 1582-09-8 | Trifluralin | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 23 | DDT total according Directive 2008/105/EC = (DDT, o,p' + DDT, p,p' + DDE, p,p' + DDD, p,p') |  |  |  | x |  |  | X |  |  |  |
| NA | no CAS HS 22 | DDT sum = (DDT, o,p' + DDT, p,p') |  |  |  | x |  |  | X |  |  |  |
| 7440-36-0 | 7440-36-0 | Antimony |  |  | x |  | DWD | X |  | X |  |  |
| 7440-38-2 | 7440-38-2 | Arsenic | x |  |  |  | GWD |  |  | X |  |  |
| 7440-50-8 | 7440-50-8 | Copper | x |  |  |  | DWD |  |  | X |  |  |
| 7440-39-3 | 7440-39-3 | Barium |  |  |  | x |  |  |  | X |  |  |
| 7440-41-7 | 7440-41-7 | Beryllium |  |  |  | x |  |  |  | X |  |  |
| 7440-66-6 | 7440-66-6 | Zinc |  |  | x |  |  | X |  | X |  |  |
| 7440-43-9 | 7440-43-9 | Cadmium | x |  |  |  | GWD |  |  | X |  |  |
| 7440-48-4 | 7440-48-4 | Cobalt and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7440-31-5 | 7440-31-5 | Tin and its compounds |  |  |  | x |  |  |  | X |  |  |
| NA | no CAS HS 28 | Chromium 3+ |  |  |  | x |  |  |  | X |  |  |
| NA | no CAS HS 29 | Chromium 6+ |  |  |  | x |  |  |  | X |  |  |
| 7440-47-3 | 7440-47-3 | Chromium | x |  |  |  | DWD |  |  | X |  |  |
| 7439-98-7 | 7439-98-7 | Molybdenum and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7440-02-0 | 7440-02-0 | Nickel | x |  |  |  | DWD, WFD |  |  | X |  |  |
| 7782-49-2 | 7782-49-2 | Selenium and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7440-22-4 | 7440-22-4 | Silver |  |  |  | x |  |  |  | X |  |  |
| 7440-24-6 | 7440-24-6 | Strontium |  |  |  | x |  |  |  | X |  |  |
| 7439-92-1 | 7439-92-1 | Lead | x |  |  |  | GWD |  |  | X |  |  |
| 7440-61-1 | 7440-61-1 | Uranium |  |  |  | x |  |  |  | X |  |  |
| 7440-62-2 | 7440-62-2 | Vanadium and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7439-97-6 | 7439-97-6 | Mercury | x |  |  |  | GWD |  |  | X |  |  |
| 87-86-5 | 87-86-5 | Pentachlorophenol |  | x |  |  | WFD | X |  |  | X |  |
| 51218-45-2 | 51218-45-2 | Metolachlor | x |  |  |  | GWD |  | X |  |  |  |
| 309-00-2 | 309-00-2 | Aldrin | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 12 | DDT + DDE + DDD total = (DDT, o,p' + DDT, p,p' + DDE, o,p' + DDE, p,p' + DDD, o,p' + DDD, p,p') |  |  |  | x |  |  | X |  |  |  |
| 789-02-6 | 789-02-6 | DDT, o,p' | x |  |  |  | GWD |  | X |  |  |  |
| 50-29-3 | 50-29-3 | DDT, p,p' | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 21 | DDE sum = (DDE, o,p' + DDE, p,p') |  |  |  | x |  |  | X |  |  |  |
| 3424-82-6 | 3424-82-6 | DDE, o,p' |  | x |  |  | GWD |  | X |  |  |  |
| 72-55-9 | 72-55-9 | DDE, p,p' | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 20 | DDD (TDE) sum = (DDD, o,p' + DDD, p,p') |  |  |  | x |  |  | X |  |  |  |
| 53-19-0 | 53-19-0 | DDD, o,p' |  | x |  |  | GWD |  | X |  |  |  |
| 72-54-8 | 72-54-8 | DDD, p,p' | x |  |  |  | GWD |  | X |  |  |  |
| 60-57-1 | 60-57-1 | Dieldrin | x |  |  |  | GWD |  | X |  |  |  |
| 72-20-8 | 72-20-8 | Endrin | x |  |  |  | GWD |  | X |  |  |  |
| 76-44-8 | 76-44-8 | Heptachlor |  | x |  |  | GWD |  | X |  |  |  |
| 1024-57-3 | 1024-57-3 | Heptachloroepoxide |  | x |  |  | GWD |  | X |  |  |  |
| 25057-89-0 | 25057-89-0 | Bentazone | x |  |  |  | GWD |  | X |  |  |  |
| 319-84-6 | 319-84-6 | Alpha-HCH | x |  |  |  | GWD |  | X |  |  |  |
| 319-85-7 | 319-85-7 | Beta-HCH | x |  |  |  | GWD |  | X |  |  |  |
| 319-86-8 | 319-86-8 | Delta-HCH |  | x |  |  | GWD |  | X |  |  |  |
| 6108-10-07 | 6108-10-07 | Epsilon-HCH |  | x |  |  | GWD |  | X |  |  |  |
| 608-73-1 | 608-73-1 | Hexachlorocyclohexane (HCH) | x |  |  |  | GWD |  | X |  |  |  |
| 959-98-8 | 959-98-8 | Alpha-Endosulfan | x |  |  |  | GWD |  | X |  |  |  |
| 33213-65-9 | 33213-65-9 | Beta-Endosulfan | x |  |  |  | GWD |  | X |  |  |  |
| 56-38-2 | 56-38-2 | Parathion |  | x |  |  | GWD |  | X |  |  |  |
| 298-00-0 | 298-00-0 | Parathion-methyl |  | x |  |  | GWD |  | X |  |  |  |
| 6190-65-4 | 6190-65-4 | Desethylatrazine | x |  |  |  | GWD |  | X |  |  |  |
| 1007-28-9 | 1007-28-9 | Desisopropylatrazine | x |  |  |  | GWD |  | X |  |  |  |
| 139-40-2 | 139-40-2 | Propazine | x |  |  |  | GWD |  | X |  |  |  |
| 7287-19-6 | 7287-19-6 | Prometryn | x |  |  |  | GWD |  | X |  |  |  |
| 21725-46-2 | 21725-46-2 | Cyanazine | x |  |  |  | GWD |  | X |  |  |  |
| 5915-41-3 | 5915-41-3 | Terbuthylazine | x |  |  |  | GWD |  | X |  |  |  |
| 886-50-0 | 886-50-0 | Terbutryn | x |  |  |  | GWD |  | X |  |  |  |
| 33693-04-8 | 33693-04-8 | Terbumeton |  | x |  |  | GWD |  | X |  |  |  |
| 41394-05-2 | 41394-05-2 | Metamitron |  | x |  |  | GWD |  | X |  |  |  |
| 21087-64-9 | 21087-64-9 | Metribuzin | x |  |  |  | GWD |  | X |  |  |  |
| 314-40-9 | 314-40-9 | Bromacil |  | x |  |  | GWD |  | X |  |  |  |
| 55512-33-9 | 55512-33-9 | Pyridate | x |  |  |  | GWD |  | X |  |  |  |
| 94-75-7 | 94-75-7 | 2,4-D | x |  |  |  | GWD |  | X |  |  |  |
| 120-36-5 | 120-36-5 | Dichlorprop (2,4-DP) | x |  |  |  | GWD |  | X |  |  |  |
| 93-76-5 | 93-76-5 | 2,4,5-T | x |  |  |  | GWD |  | X |  |  |  |
| 94-74-6 | 94-74-6 | MCPA | x |  |  |  | GWD |  | X |  |  |  |
| 94-81-5 | 94-81-5 | MCPB | x |  |  |  | GWD |  | X |  |  |  |
| 7085-19-0 | 7085-19-0 | Mecoprop | x |  |  |  | GWD |  | X |  |  |  |
| 7286-69-3 | 7286-69-3 | Sebuthylazine | x |  |  |  | GWD |  | X |  |  |  |
| 93-72-1 | 93-72-1 | Fenoprop |  | x |  |  | GWD |  | X |  |  |  |
| 94-82-6 | 94-82-6 | 2,4-DB |  | x |  |  | GWD |  | X |  |  |  |
| 1918-00-9 | 1918-00-9 | Dicamba | x |  |  |  | GWD |  | X |  |  |  |
| 57837-19-1 | 57837-19-1 | Metalaxyl | x |  |  |  | GWD |  | X |  |  |  |
| 67129-08-2 | 67129-08-2 | Metazachlor | x |  |  |  | GWD |  | X |  |  |  |
| 34256-82-1 | 34256-82-1 | Acetochlor | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 30 | Pesticides (sum) |  |  |  | x |  |  | X |  |  |  |
| 72-43-5 | 72-43-5 | Methoxychlor |  | x |  |  | GWD |  | X |  |  |  |
| 7429-90-5 | 7429-90-5 | Aluminium and its compounds |  | x |  |  |  | X |  | X |  |  |
| 120-12-7 | 120-12-7 | Anthracene |  | x |  |  | WFD | X |  |  | X |  |
| 71-43-2 | 71-43-2 | Benzene | x |  |  |  | DWD |  |  |  | X |  |
| NA | no CAS HS 19 | Brominated diphenylethers |  |  |  | x |  |  |  |  | X |  |
| 1163-19-5 | 1163-19-5 | Bis(pentabromophenyl) ether |  |  |  | x |  |  |  |  | X |  |
| 32536-52-0 | 32536-52-0 | Diphenyl ether, octabromo deviate |  |  |  | x |  |  |  |  | X |  |
| 32534-81-9 | 32534-81-9 | Diphenyl ether, pentabromo derivative |  |  |  | x |  |  |  |  | X |  |
| 85535-84-8 | 85535-84-8 | Chloroalkanes C10-13 |  | x |  |  | WFD | X |  |  | X |  |
| 107-06-2 | 107-06-2 | 1,2-dichloroethane | x |  |  |  | DWD |  |  |  | X |  |
| 75-09-2 | 75-09-2 | Dichloromethane |  | x |  |  | WFD | X |  |  | X |  |
| 117-81-7 | 117-81-7 | Di (2-ethylhexyl) phthalate (DEHP) |  |  | x |  | WFD |  |  |  | X |  |
| 84-66-2 | 84-66-2 | Di-ethyl phthalate |  |  |  | x |  |  |  |  | X |  |
| 84-69-5 | 84-69-5 | Di-iso-butyl phthalate |  |  |  | x |  |  |  |  | X |  |
| 84-74-2 | 84-74-2 | Di-(n-butyl) phthalate |  |  |  | x |  |  |  |  | X |  |
| 85-68-7 | 85-68-7 | Butyl benzyl phthalate (BBP) |  |  |  | x |  |  |  |  | X |  |
| 87-68-3 | 87-68-3 | Hexachlorobutadiene (HCBD) |  | x |  |  | WFD | X |  |  | X |  |
| 91-20-3 | 91-20-3 | Naphthalene |  | x |  |  | WFD | X |  |  | X |  |
| 25154-52-3 | 25154-52-3 | Nonylphenol |  |  |  | x |  |  |  |  | X |  |
| 104-40-5 | 104-40-5 | 4-nonylphenol |  |  |  | x | WFD |  |  |  | X |  |
| 84852-15-3 | 84852-15-3 | 4-nonylphenol, branched |  | x |  |  | WFD |  |  |  | X |  |
| 1806-26-4 | 1806-26-4 | 4-octylphenol |  |  |  | x |  |  |  |  | X |  |
| 140-66-9 | 140-66-9 | Para-tert-octylphenol |  | x |  |  | WFD |  |  |  | X |  |
| 608-93-5 | 608-93-5 | Pentachlorobenzene |  | x |  |  | WFD | X |  |  | X |  |
| NA | no CAS HS 13 | Polyaromatic hydro-carbons (PAH) (sum) |  |  |  | x |  |  |  |  | X |  |
| 50-32-8 | 50-32-8 | Benzo(a)pyrene | x |  |  |  | WFD |  |  |  | X |  |
| 205-99-2 | 205-99-2 | Benzo(b)fluoranthene |  | x |  |  | WFD | X |  |  | X |  |
| 191-24-2 | 191-24-2 | Benzo(g,h,i)perylene |  | x |  |  | WFD | X |  |  | X |  |
| 207-08-9 | 207-08-9 | Benzo(k)fluoranthene |  | x |  |  | WFD | X |  |  | X |  |
| 206-44-0 | 206-44-0 | Fluoranthene |  | x |  |  | WFD | X |  |  | X |  |
| 193-39-5 | 193-39-5 | Indeno(1,2,3-cd)pyrene |  | x |  |  | WFD | X |  |  | X |  |
| 688-73-3 | 688-73-3 | Tributyltin compounds |  |  |  | x |  |  |  |  | X |  |
| 36643-28-4 | 36643-28-4 | Tributyltin cation |  |  |  | x |  |  |  |  | X |  |
| 12002-48-1 | 12002-48-1 | Trichlorobenzenes |  |  |  | x |  |  |  |  | X |  |
| 87-61-6 | 87-61-6 | 1,2,3-trichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 120-82-1 | 120-82-1 | 1,2,4-trichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 108-70-3 | 108-70-3 | 1,3,5-trichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 67-66-3 | 67-66-3 | Trichloromethane |  | x |  |  | WFD | X |  |  | X |  |
| 919-86-8 | 919-86-8 | Demeton-S-methyl |  | x |  |  | GWD |  | X |  |  |  |
| 62-73-7 | 62-73-7 | Dichlorvos |  | x |  |  | GWD |  | X |  |  |  |
| 60-51-5 | 60-51-5 | Dimethoate | x |  |  |  | GWD |  | X |  |  |  |
| 465-73-6 | 465-73-6 | Isodrin | x |  |  |  | GWD |  | X |  |  |  |
| 330-55-2 | 330-55-2 | Linuron | x |  |  |  | GWD |  | X |  |  |  |
| 1336-36-3 | 1336-36-3 | Polychlorinated biphenyls |  |  |  | x |  |  |  |  | X |  |
| 31508-00-6 | 31508-00-6 | PCB118 |  |  |  | x |  |  |  |  | X |  |
| 32598-13-3 | 32598-13-3 | PCB77 |  |  |  | x |  |  |  |  | X |  |
| 32774-16-6 | 32774-16-6 | PCB169 |  |  |  | x |  |  |  |  | X |  |
| 80-05-7 | 80-05-7 | Bisphenol A |  |  | x |  |  |  |  |  | X |  |
| 37680-73-2 | 37680-73-2 | PCB101 (2,2',4,5,5'-pentachlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 35065-28-2 | 35065-28-2 | PCB138 (2,2',3,4,4',5'-hexachlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 35065-27-1 | 35065-27-1 | PCB153 (2,2',4,4',5,5'-hexachlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 35065-29-3 | 35065-29-3 | PCB180 (2,2',3,4,4',5,5'-heptachlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 35694-08-7 | 35694-08-7 | PCB194 (1,2,3,4-tetrachloro-5-(2,3,4,5-tetrachlorophenyl)benzene) |  |  |  | x |  |  |  |  | X |  |
| 7012-37-5 | 7012-37-5 | PCB28 (2,4,4'-trichlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 35693-99-3 | 35693-99-3 | PCB52 (2,2',5,5'-tetrachlorobiphenyl) |  |  |  | x |  |  |  |  | X |  |
| 189084-64-8 | 189084-64-8 | PBDE100 (2,2',4,4',6-pentabromodiphenyl ether) |  |  |  | x |  |  |  |  | X |  |
| 68631-49-2 | 68631-49-2 | PBDE153 (2,2',4,4',5,5'-hexabromodiphenyl ether) |  |  |  | x |  |  |  |  | X |  |
| 207122-15-4 | 207122-15-4 | PBDE154 (2,2',4,4',5,6'-hexabromodiphenyl ether) |  |  |  | x |  |  |  |  | X |  |
| 41318-75-6 | 41318-75-6 | PBDE28 |  |  |  | x |  |  |  |  | X |  |
| 5436-43-1 | 5436-43-1 | PBDE47 (2,2',4,4'-tetrabromodiphenyl ether) |  |  |  | x |  |  |  |  | X |  |
| 60328-60-9 | 60328-60-9 | PBDE99 |  |  |  | x |  |  |  |  | X |  |
| 129-00-0 | 129-00-0 | Pyrene |  |  | x |  |  |  |  |  | X |  |
| 53-70-3 | 53-70-3 | Dibenzo(a,h)anthracene |  | x |  |  |  | X |  |  | X |  |
| 218-01-9 | 218-01-9 | Chrysene |  |  | x |  |  |  |  |  | X |  |
| 56-55-3 | 56-55-3 | Benzo(a)anthracene |  | x |  |  |  | X |  |  | X |  |
| 79-00-5 | 79-00-5 | 1,1,2-trichloroethane |  | x |  |  |  | X |  |  | X |  |
| 108-90-7 | 108-90-7 | Chlorobenzene |  | x |  |  |  | X |  |  | X |  |
| 95-50-1 | 95-50-1 | 1,2-dichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 541-73-1 | 541-73-1 | 1,3-dichlorobenzene |  |  | x |  |  | X |  |  | X |  |
| 75-01-4 | 75-01-4 | Chloroethene (vinylchloride) |  | x |  |  | DWD |  |  |  | X |  |
| 79-01-6 | 79-01-6 | 1,1,2-trichloroethene | x |  |  |  | GWD |  |  |  | X |  |
| 127-18-4 | 127-18-4 | 1,1,2,2-tetrachloroethene | x |  |  |  | GWD |  |  |  | X |  |
| 56-23-5 | 56-23-5 | Tetrachloromethane |  | x |  |  | WFD |  |  |  | X |  |
| 108-88-3 | 108-88-3 | Toluene |  | x |  |  |  | X |  |  | X |  |
| 1330-20-7 | 1330-20-7 | Xylene |  | x |  |  |  | X |  |  | X |  |
| NA | no CAS HS 24 | Dichlorobenzene |  |  |  | x |  | X |  |  | X |  |
| 85-01-8 | 85-01-8 | Phenanthrene |  |  | x |  |  |  |  |  | X |  |
| 100-42-5 | 100-42-5 | Styrene |  |  | x |  |  |  |  |  | X |  |
| NA | no CAS HS 25 | Dichlorophenol |  |  |  | x |  |  |  |  | X |  |
| 88-06-2 | 88-06-2 | 2,4,6-trichlorophenol |  |  |  | x |  |  |  |  | X |  |
| 95-95-4 | 95-95-4 | 2,4,5-trichlorophenol |  |  |  | x |  |  |  |  | X |  |
| 60145-21-3 | 60145-21-3 | PCB103 |  |  |  | x |  |  |  |  | X |  |
| 70362-41-3 | 70362-41-3 | PCB106 |  |  |  | x |  |  |  |  | X |  |
| 139-13-9 | 139-13-9 | NTA |  | x |  |  |  | X |  |  | X |  |
| 60-00-4 | 60-00-4 | EDTA |  | x |  |  |  | X |  |  | X |  |
| 156-59-2 | 156-59-2 | Cis-1,2-dichloroethene |  | x |  |  |  | X |  |  | X |  |
| 1634-04-4 | 1634-04-4 | MTBE |  | x |  |  |  | X |  |  | X |  |
| 75-69-4 | 75-69-4 | Trichlorofluoromethane |  |  |  | x |  |  |  |  | X |  |
| 75-71-8 | 75-71-8 | Dichlorodifluoromethane |  |  |  | x |  |  |  |  | X |  |
| 75-27-4 | 75-27-4 | Dichlorobromomethane |  |  |  | x |  |  |  |  | X |  |
| 7440-42-8 | 7440-42-8 | Boron |  |  |  | x |  | X |  | X |  |  |
| 57-12-5 | 57-12-5 | Cyanides (as total CN) |  |  |  | x |  |  |  |  | X |  |
| 7439-93-2 | 7439-93-2 | Lithium |  |  |  | x |  |  |  |  | X |  |
| 7440-28-0 | 7440-28-0 | Thallium |  |  |  | x |  |  |  |  | X |  |
| 3397-62-4 | 3397-62-4 | Deisopropyldeethylatrazine | x |  |  |  | GWD |  | X |  |  |  |
| 30125-63-4 | 30125-63-4 | Desethylterbuthylazine | x |  |  |  | GWD |  | X |  |  |  |
| 16655-82-6 | 16655-82-6 | 3-hydroxycarbofuran |  | x |  |  | GWD |  | X |  |  |  |
| 2599-11-3 | 2599-11-3 | Hydroxysimazine | x |  |  |  | GWD |  | X |  |  |  |
| 1194-65-6 | 1194-65-6 | Dichlobenil | x |  |  |  | GWD |  | X |  |  |  |
| 2008-58-4 | 2008-58-4 | 2,6-dichlorobenzamide |  | x |  |  | GWD |  | X |  |  |  |
| 100-02-7 | 100-02-7 | Nitrophenol |  |  |  | x |  |  |  |  | X |  |
| 75-99-0 | 75-99-0 | Dalapon |  | x |  |  | GWD |  | X |  |  |  |
| 2163-68-0 | 2163-68-0 | Hydroxyatrazine | x |  |  |  | GWD |  | X |  |  |  |
| 1689-84-5 | 1689-84-5 | Bromoxynil | x |  |  |  | GWD |  | X |  |  |  |
| 1698-60-8 | 1698-60-8 | Chloridazon | x |  |  |  | GWD |  | X |  |  |  |
| 64902-72-3 | 64902-72-3 | Chlorsulfuron |  | x |  |  | GWD |  | X |  |  |  |
| 26225-79-6 | 26225-79-6 | Ethofumesate | x |  |  |  | GWD |  | X |  |  |  |
| 96-45-7 | 96-45-7 | Ethylenethiourea (ETU) |  | x |  |  | GWD |  | X |  |  |  |
| 67564-91-4 | 67564-91-4 | Fenpropimorph |  | x |  |  | GWD |  | X |  |  |  |
| 1071-83-6 | 1071-83-6 | Glyphosate |  | x |  |  | GWD |  | X |  |  |  |
| 51235-04-2 | 51235-04-2 | Hexazinone | x |  |  |  | GWD |  | X |  |  |  |
| 1689-83-4 | 1689-83-4 | Ioxynil |  | x |  |  | GWD |  | X |  |  |  |
| 2164-08-1 | 2164-08-1 | Lenacil |  | x |  |  | GWD |  | X |  |  |  |
| 123-33-1 | 123-33-1 | Maleinhydrazid |  | x |  |  | GWD |  | X |  |  |  |
| 74233-64-6 | 74233-64-6 | Metsulfuronmethyl |  | x |  |  | GWD |  | X |  |  |  |
| 40487-42-1 | 40487-42-1 | Pendimethalin |  | x |  |  | GWD |  | X |  |  |  |
| 23103-98-2 | 23103-98-2 | Pirimicarb |  | x |  |  | GWD |  | X |  |  |  |
| 60207-90-1 | 60207-90-1 | Propiconazole |  | x |  |  | GWD |  | X |  |  |  |
| 66753-07-9 | 66753-07-9 | Hydroxyterbuthylazine | x |  |  |  | GWD |  | X |  |  |  |
| 534-52-1 | 534-52-1 | Dinitro-o-cresol (DNOC) |  |  |  | x |  |  |  |  | X |  |
| 88-85-7 | 88-85-7 | Dinoseb |  | x |  |  | GWD |  | X |  |  |  |
| 76-03-9 | 76-03-9 | Trichloroacetic acid |  |  |  | x |  |  |  |  | X |  |
| 1563-66-2 | 1563-66-2 | Carbofuran |  | x |  |  | GWD |  | X |  |  |  |
| 1066-51-9 | 1066-51-9 | Aminomethylphosphonic acid (AMPA) |  | x |  |  | GWD |  | X |  |  |  |
| 106-93-4 | 106-93-4 | 1,2-dibromoethane |  |  |  | x |  |  |  |  | X |  |
| 9016-45-9 | 9016-45-9 | Nonylphenolethoxylate |  |  | x |  |  | X |  |  | X |  |
| 151-21-3 | 151-21-3 | Sodium dodecyl sulfate |  |  |  | x |  |  |  |  | X |  |
| 71-55-6 | 71-55-6 | 1,1,1-trichloroethane |  | x |  |  |  | X |  |  | X |  |
| 25167-83-3 | 25167-83-3 | Tetrachlorophenols |  |  |  | x |  |  |  |  | X |  |
| 106-42-3 | 106-42-3 | P-xylene |  | x |  |  |  | X |  |  | X |  |
| 108-38-3 | 108-38-3 | M-xylene |  | x |  |  |  | X |  |  | X |  |
| 95-47-6 | 95-47-6 | O-xylene |  | x |  |  |  | X |  |  | X |  |
| 108-95-2 | 108-95-2 | Phenol |  |  |  | x |  |  |  |  | X |  |
| 59-50-7 | 59-50-7 | 3-methyl-4-chlorophenol |  |  |  | x |  |  |  |  | X |  |
| 526-75-0 | 526-75-0 | 2,3-dimethyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 95-48-7 | 95-48-7 | 2-methyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 106-44-4 | 106-44-4 | 4-methyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 95-65-8 | 95-65-8 | 3,4-dimethyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 133-53-9 | 133-53-9 | 3,5-dimethyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 576-26-1 | 576-26-1 | 2,6-dimethyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 105-67-9 | 105-67-9 | 2,4-dimethyl-phenol |  |  |  | x |  |  |  |  | X |  |
| 1570-64-5 | 1570-64-5 | 4-chloro-2-methylphenol |  |  |  | x |  |  |  |  | X |  |
| 85540-50-1 | 85540-50-1 | 6-chloro-2-dimethylphenol |  |  |  | x |  |  |  |  | X |  |
| 120-83-2 | 120-83-2 | 2,4-dichlorophenol |  |  |  | x |  |  |  |  | X |  |
| 1570-65-6 | 1570-65-6 | 4,6-dichloro-2-methylphenol |  |  |  | x |  |  |  |  | X |  |
| 87-65-0 | 87-65-0 | 2,6-dichlorophenol |  |  |  | x |  |  |  |  | X |  |
| 58-90-2 | 58-90-2 | 2,3,4,6-tetrachlorophenol |  |  |  | x |  |  |  |  | X |  |
| 4901-51-3 | 4901-51-3 | 2,3,4,5-tetrachlorophenol |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 35 | octylphenols |  |  |  | x |  |  |  |  | X |  |
| 95-87-4 | 95-87-4 | 2,5-dimethylphenol |  |  |  | x |  |  |  |  | X |  |
| 100-41-4 | 100-41-4 | Ethylbenzene |  | x |  |  |  | X |  |  | X |  |
| 104-35-8 | 104-35-8 | 4-nonylphenol mono-ethoxylate (NP1EO) |  |  | x |  |  | X |  |  | X |  |
| 20427-84-3 | 20427-84-3 | 4-nonylphenol di-ethoxylate (NP2EO) |  |  | x |  |  | X |  |  | X |  |
| NA | no CAS HS 1 | Adsorbable organic halogens (AOX) |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS HS 33 | Volatile organic halogens (VOX) |  |  |  | x |  |  |  |  | X |  |
| 5598-13-0 | 5598-13-0 | Chlorpyrifos-methyl |  | x |  |  | GWD |  | X |  |  |  |
| 17040-19-6 | 17040-19-6 | Demeton-S-methylsulfon |  | x |  |  | GWD |  | X |  |  |  |
| 7439-89-6 | 7439-89-6 | Iron and its compounds |  |  |  | x |  |  |  | X |  |  |
| 7439-96-5 | 7439-96-5 | Manganese and its compounds |  |  |  | x |  |  |  | X |  |  |
| NA | no CAS Nutrients 1 | pH | x |  |  |  | WFD |  |  |  |  | X |
| NA | no CAS HS 32 | Sulphate |  | x |  |  | GWD | X |  |  |  | X |
| 24959-67-9 | 24959-67-9 | Bromide |  |  |  | x |  |  |  |  |  | X |
| 20461-54-5 | 20461-54-5 | Iodide |  |  |  | x |  |  |  |  |  | X |
| 7440-50-8 | 7440-50-8\_dissolved | Copper dissolved | x |  |  |  | DWD |  |  | X |  |  |
| 7440-66-6 | 7440-66-6\_dissolved | Zinc dissolved |  |  | x |  |  | X |  | X |  |  |
| 7440-43-9 | 7440-43-9\_dissolved | Cadmium dissolved | x |  |  |  | GWD |  |  | X |  |  |
| 7440-02-0 | 7440-02-0\_dissolved | Nickel dissolved | x |  |  |  | DWD, WFD |  |  | X |  |  |
| 7439-92-1 | 7439-92-1\_dissolved | Lead dissolved | x |  |  |  | GWD |  |  | X |  |  |
| 50-00-0 | 50-00-0 | Formaldehyde |  |  |  | x |  |  |  |  | X |  |
| NA | no CAS Nutrients 27 | Total Organic Carbon (TOC) |  | x |  |  |  | X |  |  |  | X |
| NA |  | Dissolved Organic Carbon (DOC) |  |  |  | x |  | X |  |  |  | X |
| 7723-14-0 | 7723-14-0 | Phosphorus |  |  | x |  |  | X |  |  |  | X |
| 14265-44-2 | 14265-44-2\_total | Total Phosphates |  |  | x |  |  | X |  |  |  | X |
| 14265-44-2 | 14265-44-2 | Orthophosphates |  |  | x |  |  | X |  |  |  | X |
| NA | no CAS Nutrients 28 | CODMn |  |  |  | x |  |  |  |  |  | X |
| NA | no CAS Nutrients 29 | CODCr |  |  |  | x |  |  |  |  |  | X |
| 7429-90-5 | 7429-90-5\_dissolved | Aluminium dissolved |  | x |  |  |  | X |  | X |  |  |
| 7440-38-2 | 7440-38-2\_dissolved | Arsenic dissolved | x |  |  |  | GWD |  |  | X |  |  |
| 7439-96-5 | 7439-96-5\_dissolved | Manganese dissolved |  |  |  | x |  |  |  | X |  |  |
| 7439-97-6 | 7439-97-6\_dissolved | Mercury dissolved | x |  |  |  | GWD |  |  | X |  |  |
| 7440-47-3 | 7440-47-3\_dissolved | Chromium dissolved | x |  |  |  | DWD |  |  | X |  |  |
| 7439-89-6 | 7439-89-6\_dissolved | Iron dissolved |  |  |  | x |  |  |  | X |  |  |
| 1702-17-6 | 1702-17-6 | Clopyralid | x |  |  |  | GWD |  | X |  |  |  |
| NA | no CAS Nutrients 30 | Total Nitrogen |  |  |  | x |  |  |  |  |  | X |
| 13684-56-5 | 13684-56-5 | Desmedipham |  | x |  |  | GWD |  | X |  |  |  |
| NA | no CAS HS 26 | Chloride |  | x |  |  | GWD | X |  |  |  | X |
| 3307-39-9 | 3307-39-9 | 2-(4-chlorophenoxy)propionic acid (4-CPP) |  | x |  |  | GWD |  | X |  |  |  |
| 1113-02-6 | 1113-02-6 | Omethoate |  | x |  |  | GWD |  | X |  |  |  |
| 26259-45-0 | 26259-45-0 | Secbumeton |  | x |  |  | GWD |  | X |  |  |  |
| 834-12-8 | 834-12-8 | Ametryn |  | x |  |  | GWD |  | X |  |  |  |
| 1610-18-0 | 1610-18-0 | Prometon |  | x |  |  | GWD |  | X |  |  |  |
| 57-74-9 | 57-74-9 | Chlordane |  | x |  |  | GWD |  | X |  |  |  |
| 2385-85-5 | 2385-85-5 | Mirex |  | x |  |  | GWD |  | X |  |  |  |
| 2310-17-0 | 2310-17-0 | Phosalone |  | x |  |  | GWD |  | X |  |  |  |
| 122-14-5 | 122-14-5 | Fenitrothion |  | x |  |  | GWD |  | X |  |  |  |
| 25140-90-3 | 25140-90-3 | 2-(2,6-dichlorophenoxy)propionic acid (2,6-DCPP) |  | x |  |  | GWD |  | X |  |  |  |
| 52236-30-3 | 52236-30-3 | Desamino-diketo-metribuzin | x |  |  |  | GWD |  | X |  |  |  |
| 56507-37-0 | 56507-37-0 | Diketo-metribuzin | x |  |  |  | GWD |  | X |  |  |  |
| 50-30-6 | 50-30-6 | 2,6-dichlorobenzoic acid |  | x |  |  | GWD |  | X |  |  |  |
| NA | no CAS Nutrients 2 | Temperature (water) |  |  |  | x |  |  |  |  |  | X |
| NA | no CAS Nutrients 3 | Electrical Conductivity |  |  | x |  | GWD |  |  |  |  | X |
| NA | no CAS Nutrients 31 | Hydrogen Carbonate (Bicarbonate) HCO3 |  | x |  |  |  |  |  |  |  | X |
| NA | no CAS HS 27 | Chlorine Cl- |  |  |  | x |  |  |  |  |  | X |
| 7440-70-2 | 7440-70-2 | Calcium |  | x |  |  |  |  |  |  |  | X |
| 7439-95-4 | 7439-95-4 | Magnesium |  | x |  |  |  |  |  |  |  | X |
| 7440-23-5 | 7440-23-5 | Sodium |  |  | x |  |  |  |  |  |  | X |
| 7440-09-7 | 7440-09-7 | Potassium |  |  | x |  |  |  |  |  |  | X |
| NA | no CAS Nutrients 32 | Total dissolved solids |  |  | x |  |  |  |  |  |  | X |
| 7782-41-4 | 7782-41-4 | Fluorine |  |  |  | x |  |  |  |  |  | X |
| 7440-32-6 | 7440-32-6 | Titanium |  |  |  | x |  |  |  |  |  | X |
| 16984-48-8 | 16984-48-8 | Fluorides |  |  |  | x |  |  |  |  |  | X |
| NA | no CAS Nutrients 33 | Total Phosphorus |  |  | x |  |  |  |  |  |  | X |
| NA | no CAS HS 17 | TCDD (dioxins and furans) |  |  |  | x |  |  |  |  | X |  |
| 57-63-6 | 57-63-6 | 17alpha-ethinylestradiol |  |  |  | x |  |  |  |  | X |  |
| 50-28-2 | 50-28-2 | 17beta-estradiol |  |  |  | x |  |  |  |  | X |  |
| 15307-86-5 | 15307-86-5 | Diclofenac |  |  | x |  |  | X |  |  | X |  |
| 1763-23-1 | 1763-23-1 | PFOS and its derivatives |  | x |  |  | WFD |  |  |  | X |  |
| 3194-55-6 | 3194-55-6 | Hexabromocyclododecane (HBCDD) |  |  |  | x |  |  |  |  | X |  |
| 29122-68-7 | 29122-68-7 | Atenolol |  |  | x |  |  |  |  |  | X |  |
| 83905-01-5 | 83905-01-5 | Azitromycin |  |  | x |  |  |  |  |  | X |  |
| 95-14-7 | 95-14-7 | Benzotriazol |  |  | x |  |  | X |  |  | X |  |
| 41859-67-0 | 41859-67-0 | Bezafibrate |  |  | x |  |  |  |  |  | X |  |
| 298-46-4 | 298-46-4 | Carbamazepin |  | x |  |  |  | X |  |  | X |  |
| 81103-11-9 | 81103-11-9 | Clarithromycin |  |  | x |  |  |  |  |  | X |  |
| 333-41-5 | 333-41-5 | Diazinon |  |  | x |  |  | X |  |  | X |  |
| 15687-27-1 | 15687-27-1 | Ibuprofen |  |  | x |  |  |  |  |  | X |  |
| 136-85-6 | 136-85-6 | Methylbenzotriazol |  |  | x |  |  | X |  |  | X |  |
| 37350-58-6 | 37350-58-6 | Metoprolol |  |  | x |  |  |  |  |  | X |  |
| 22204-53-1 | 22204-53-1 | Naproxen |  |  | x |  |  |  |  |  | X |  |
| 723-46-6 | 723-46-6 | Sulfamethoxazol |  | x |  |  |  | X |  |  | X |  |
| 738-70-5 | 738-70-5 | Trimethoprim |  |  | x |  |  |  |  |  | X |  |
| 3115-49-9 | 3115-49-9 | Nonylphenoxyacetic acid (NPE1C) |  |  | x |  |  | X |  |  | X |  |
| 58-08-2 | 58-08-2 | Caffeine |  |  | x |  |  | X |  |  | X |  |
| 13351-73-0 | 13351-73-0 | Tolyltriazole |  |  | x |  |  | X |  |  | X |  |
| 335-67-1 | 335-67-1 | PFOA |  | x |  |  |  | X |  |  | X |  |
| 133855-98-8 | 133855-98-8 | Epoxiconazole | x |  |  |  | GWD |  | X |  |  |  |
| 187022-11-3 | 187022-11-3 | Acetochlor ESA |  | x |  |  | GWD |  | X |  |  |  |
| 194992-44-4 | 194992-44-4 | Acetochlor OA |  | x |  |  | GWD |  | X |  |  |  |
| 171118-09-5 | 171118-09-5 | Metolachlor ESA |  | x |  |  | GWD |  | X |  |  |  |
| 152019-73-3 | 152019-73-3 | Metolachlor OA |  | x |  |  | GWD |  | X |  |  |  |
| 142363-53-9 | 142363-53-9 | Alachlor ESA |  | x |  |  | GWD |  | X |  |  |  |
| 171262-17-2 | 171262-17-2 | Alachlor OA |  | x |  |  | GWD |  | X |  |  |  |
| 172960-62-2 | 172960-62-2 | Metazachlor ESA |  | x |  |  | GWD |  | X |  |  |  |
| 1231244-60-2 | 1231244-60-2 | Metazachlor OA |  | x |  |  | GWD |  | X |  |  |  |
| 50563-36-5 | 50563-36-5 | Dimethachlor |  | x |  |  | GWD |  | X |  |  |  |
| 6339-19-1 | 6339-19-1 | Chloridazon desphenyl |  | x |  |  | GWD |  | X |  |  |  |
| 17254-80-7 | 17254-80-7 | Chloridazon methyl desphenyl |  | x |  |  | GWD |  | X |  |  |  |
| 134-62-3 | 134-62-3 | Diethyltoluamide (DEET) |  | x |  |  |  | X |  |  | X |  |

#### Table A5: Water quantity determinants

| **SoE Code** | **Existing SoE+changes** | **Must keep** | **Should keep** | **Could keep** | **Drop** |
| --- | --- | --- | --- | --- | --- |
| 100001 | Groundwater level | x |  |  |  |
| 100002 | Reservoir inflow | x |  |  |  |
| 100003 | Reservoir outflow | x |  |  |  |
| 100004 | Stream flow | x |  |  |  |
| 101001 | wa\_total\_abstraction |  |  |  | x |
| 101002 | wa\_total\_abstraction\_sw |  |  |  | x |
| NEW - WA | wa\_abstraction\_art\_reservoirs | x |  |  |  |
| NEW - WA | wa\_abstraction\_lakes | x |  |  |  |
| NEW - WA | wa\_abstraction\_rivers | x |  |  |  |
| NEW - WA | wa\_abstraction\_snow\_ice\_glaciers | x |  |  |  |
| 101003 | wa\_total\_abstraction\_gw | x |  |  |  |
| 101004 | wa\_total\_abstraction\_from\_rainwater |  |  |  | x |
| NEW - WA | wa\_total\_abstraction\_rainfed\_agriculture | x |  |  |  |
| 101005 | wa\_total\_abstraction\_for\_hydropower | x |  |  |  |
| 101006 | wa\_available\_groundwater |  | x |  |  |
| 101007 | wa\_evaporation\_losses | x |  |  |  |
| 101008 | wa\_for\_public\_wss |  |  |  | x |
| 101009 | wa\_for\_public\_wss\_sw |  |  |  | x |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_a | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_b\_c\_f | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_d | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_e\_36 | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_e\_37 | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_nace\_e\_38\_39\_G-U | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_sw\_domestic | x |  |  |  |
| 101010 | wa\_for\_public\_wss\_gw |  |  |  | x |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_a | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_b\_c\_f | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_d | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_e\_36 | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_e\_37 | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_nace\_e\_38\_39\_G-U | x |  |  |  |
| NEW - WA | wa\_for\_public\_wss\_gw\_domestic | x |  |  |  |
| 101011 | wa\_for\_public\_wss\_from\_rainwater | x |  |  |  |
| 101012 | wa\_abstraction\_for\_self\_suply\_total |  |  |  | x |
| 101013 | wa\_for\_self\_suply\_from\_rainwater |  |  |  | x |
| NEW - WA | wa\_for\_self\_suply\_from\_rainwater\_domestic | x |  |  |  |
| NEW - WA | wa\_for\_self\_suply\_from\_rainwater\_other | x |  |  |  |
| 101101 | wa\_non\_freshwater-total |  |  |  | x |
| 101102 | wa\_non\_freshwater-domestic | x |  |  |  |
| 101103 | wa\_non\_freshwater-nace\_a | x |  |  |  |
| 101104 | wa\_non\_freshwater-nace\_a\_irrgation | x |  |  |  |
| NEW | wa\_non\_freshwater-nace\_a\_aquaculture |  | x |  |  |
| 101105 | wa\_non\_freshwater-nace\_b | x |  |  |  |
| 101106 | wa\_non\_freshwater-nace\_c | x |  |  |  |
| NEW - WA | wa\_non\_freshwater-nace\_f | x |  |  |  |
| 101107 | wa\_non\_freshwater-nace\_c\_food\_ind |  |  |  | x |
| 101108 | wa\_non\_freshwater-nace\_c\_basic\_metals |  |  |  | x |
| 101109 | wa\_non\_freshwater-nace\_c\_transport |  |  |  | x |
| 101110 | wa\_non\_freshwater-nace\_c\_textiles |  |  |  | x |
| 101111 | wa\_non\_freshwater-nace\_c\_cooling |  | x |  |  |
| 101112 | wa\_non\_freshwater-nace\_d |  |  |  | x |
| 101113 | wa\_non\_freshwater-nace\_d\_cooling | x |  |  |  |
| 101115 | wa\_non\_freshwater-nace\_i | x |  |  |  |
| 101116 | wa\_non\_freshwater-other |  |  |  | x |
| 101201 | wa\_abstraction\_for\_self\_suply\_total\_sw-total |  |  |  | x |
| 101202 | wa\_abstraction\_for\_self\_suply\_total\_sw-domestic |  | x |  |  |
| 101203 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_a |  | x |  |  |
| 101204 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_a\_irrgation |  | x |  |  |
| NEW | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_a\_aquaculture |  | x |  |  |
| 101205 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_b | x |  |  |  |
| 101206 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_f | x |  |  |  |
| 101207 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c\_food\_ind |  |  |  | x |
| 101208 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c\_basic\_metals |  |  |  | x |
| 101209 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c\_transport |  |  |  | x |
| 101210 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c\_textiles |  |  |  | x |
| 101211 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_c\_cooling |  | x |  |  |
| 101212 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_d | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_e\_36 | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_e\_37 | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_e\_38\_39\_G-U | x |  |  |  |
| 101213 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_d\_cooling |  | x |  |  |
| 101214 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_d\_hydropower | x |  |  |  |
| 101215 | wa\_abstraction\_for\_self\_suply\_total\_sw-nace\_i |  | x |  |  |
| 101216 | wa\_abstraction\_for\_self\_suply\_total\_sw-other |  | x |  |  |
| 101301 | wa\_abstraction\_for\_self\_suply\_total\_gw-total |  |  |  | x |
| 101302 | wa\_abstraction\_for\_self\_suply\_total\_gw-domestic |  | x |  |  |
| 101303 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_a |  | x |  |  |
| 101304 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_a\_irrgation |  | x |  |  |
| NEW | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_a\_aquaculture | x |  |  |  |
| 101305 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_b |  | x |  |  |
| 101306 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c |  | x |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_f | x |  |  |  |
| 101307 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c\_food\_ind |  |  |  | x |
| 101308 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c\_basic\_metals |  |  |  | x |
| 101309 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c\_transport |  |  |  | x |
| 101310 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c\_textiles |  |  |  | x |
| 101311 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_c\_cooling |  | x |  |  |
| 101312 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_d | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_e\_36 | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_e\_37 | x |  |  |  |
| NEW - WA | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_e\_38\_39\_G-H & J-U | x |  |  |  |
| 101313 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_d\_cooling |  | x |  |  |
| 101314 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_d\_hydropower |  |  |  | x |
| 101315 | wa\_abstraction\_for\_self\_suply\_total\_gw-nace\_i |  | x |  |  |
| 101316 | wa\_abstraction\_for\_self\_suply\_total\_gw-other |  |  |  | x |
| 102001 | wb\_areal\_precipitation | x |  |  |  |
| 102002 | wb\_pot\_evapotranspiration |  |  |  | x |
| 102003 | wb\_act\_evapotranspiration | x |  |  |  |
| 102004 | wb\_internal\_flow |  |  |  | x |
| 102005 | wb\_total\_act\_ext\_inflow | x |  |  |  |
| 102006 | wb\_total\_actual\_outflow | x |  |  |  |
| 102007 | wb\_total\_actual\_outflow\_sea | x |  |  |  |
| 102008 | wb\_total\_actual\_outflow\_neighbour | x |  |  |  |
| 102009 | wb\_aquifer\_recharge | x |  |  |  |
| 102010 | wb\_snowpack | x |  |  |  |
| 102011 | wb\_changes\_in\_reservoir\_storage | x |  |  |  |
| 102012 | wb\_changes\_in\_groundwater\_storage | x |  |  |  |
| 102013 | wb\_return\_flow |  |  |  | x |
| 102020 | wb\_non\_treated\_effluent\_cooling |  | x |  |  |
| 102021 | wb\_non\_treated\_effluent\_hydropower | x |  |  |  |
| NEW | wb\_return energy cooling | x |  |  |  |
| 102022 | wb\_losses\_betwn\_use\_and\_reuse |  |  |  | x |
| NEW | wb\_losses of public\_supply\_system | x |  |  |  |
| 102016 | wb\_treated\_effluent |  | x |  |  |
| 102019 | wb\_non\_treated\_effluent | x |  |  |  |
| NEW | wb\_return \_ISIC\_other | x |  |  |  |
| NEW | wb\_effluent\_inland waters | x |  |  |  |
| NEW | wb\_effluent\_sea | x |  |  |  |
| NEW | wb\_effluent\_cooling\_water\_sea | x |  |  |  |
| 102014 | wb\_returned\_before\_use |  |  |  | x |
| 102015 | wb\_returned\_after\_use |  |  |  | x |
| 102017 | wb\_treated\_effluent\_uwwtp |  |  |  | x |
| 102018 | wb\_treated\_effluent\_other\_wwtp |  |  |  | x |
| 102023 | wb\_water\_imports | x |  |  |  |
| 102024 | wb\_water\_exports | x |  |  |  |
| NEW | Non\_renewable\_groundwater\_Total | x |  |  |  |
| 102025 | wb\_artif\_gw\_recharge | x |  |  |  |
| 102026 | wb\_bottled\_imports | x |  |  |  |
| 102027 | wb\_bottled\_exports | x |  |  |  |
| 102028 | wb\_water\_requirements |  |  |  | x |
| 102101 | wb\_reused\_water-total |  |  |  | x |
| 102102 | wb\_reused\_water-domestic | x |  |  |  |
| 102103 | wb\_reused\_water-nace\_a |  | x |  |  |
| 102104 | wb\_reused\_water-nace\_a\_irrgation |  |  |  | x |
| 102105 | wb\_reused\_water-nace\_b |  |  |  | x |
| 102106 | wb\_reused\_water-nace\_c | x |  |  |  |
| 102107 | wb\_reused\_water-nace\_c\_cooling | x |  |  |  |
| 102108 | wb\_reused\_water-nace\_d |  |  |  | x |
| 102109 | wb\_reused\_water-nace\_d\_cooling | x |  |  |  |
| 102110 | wb\_reused\_water-nace\_i |  |  |  | x |
| 102111 | wb\_reused\_water-other |  |  |  | x |
| 102201 | wb\_desalinated\_water-total |  |  |  | x |
| NEW | wb\_desalinated\_water-public water supply | x |  |  |  |
| 102202 | wb\_desalinated\_water-domestic | x |  |  |  |
| 102203 | wb\_desalinated\_water-nace\_a | x |  |  |  |
| 102204 | wb\_desalinated\_water-nace\_a\_irrgation |  |  |  | x |
| 102205 | wb\_desalinated\_water-nace\_b |  |  |  | x |
| NEW - WA | wb\_desalinated\_water-nace\_b\_c\_f | x |  |  |  |
| 102206 | wb\_desalinated\_water-nace\_c |  |  |  | x |
| 102207 | wb\_desalinated\_water-nace\_c\_cooling |  |  |  | x |
| 102208 | wb\_desalinated\_water-nace\_d | x |  |  |  |
| NEW - WA | wb\_desalinated\_water-nace\_e\_36 | x |  |  |  |
| NEW - WA | wb\_desalinated\_water-nace\_d\_37 | x |  |  |  |
| NEW - WA | wb\_desalinated\_water-nace\_e\_38\_39\_G-U | x |  |  |  |
| 102209 | wb\_desalinated\_water-nace\_d\_cooling |  |  |  | x |
| 102210 | wb\_desalinated\_water-nace\_i |  |  |  | x |
| 102211 | wb\_desalinated\_water-other |  |  |  | x |
| 103001 | wu\_large\_items\_city |  |  |  | x |
| 103002 | wu\_large\_items\_industry |  |  |  | x |
| 103003 | wu\_large\_items\_agric\_unit |  |  |  | x |
| 103101 | wu\_total\_freshwater\_used-total |  |  |  | x |
| 103102 | wu\_total\_freshwater\_used-domestic |  |  |  | x |
| 103103 | wu\_total\_freshwater\_used-nace\_a |  |  |  | x |
| 103104 | wu\_total\_freshwater\_used-nace\_a\_irrgation |  |  |  | x |
| 103105 | wu\_total\_freshwater\_used-nace\_b |  |  |  | x |
| 103106 | wu\_total\_freshwater\_used-nace\_c |  |  |  | x |
| 103107 | wu\_total\_freshwater\_used-nace\_c\_food\_ind |  |  |  | x |
| 103108 | wu\_total\_freshwater\_used-nace\_c\_basic\_metals |  |  |  | x |
| 103109 | wu\_total\_freshwater\_used-nace\_c\_transport |  |  |  | x |
| 103110 | wu\_total\_freshwater\_used-nace\_c\_textiles |  |  |  | x |
| 103111 | wu\_total\_freshwater\_used-nace\_c\_cooling |  |  |  | x |
| 103112 | wu\_total\_freshwater\_used-nace\_d |  |  |  | x |
| 103113 | wu\_total\_freshwater\_used-nace\_d\_cooling |  |  |  | x |
| 103114 | wu\_total\_freshwater\_used-nace\_d\_hydropower |  |  |  | x |
| 103115 | wu\_total\_freshwater\_used-nace\_i |  |  |  | x |
| 103116 | wu\_total\_freshwater\_used-other |  |  |  | x |
| 103117 | wu\_total\_freshwater\_used-nace\_c\_paper |  |  |  | x |
| 103118 | wu\_total\_freshwater\_used-nace\_c\_chemicals |  |  |  | x |
| 103119 | wu\_total\_freshwater\_used-nace\_c\_other\_manufact\_ind |  |  |  | x |
| 103201 | wu\_public\_water\_supply-total |  |  |  | x |
| NEW-WFD | wu\_public\_water\_supply-total\_SW | x |  |  |  |
| NEW-WFD | wu\_public\_water\_supply-total\_GW | x |  |  |  |
| 103202 | wu\_public\_water\_supply-domestic | x |  |  |  |
| 103203 | wu\_public\_water\_supply-nace\_a |  |  |  | x |
| NEW-WFD | wu\_public\_water\_supply-nace\_a\_SW | x |  |  |  |
| NEW-WFD | wu\_public\_water\_supply-nace\_a\_GW | x |  |  |  |
| 103204 | wu\_public\_water\_supply-nace\_a\_irrgation | x |  |  |  |
| NEW-WFD | wu\_public\_water\_supply-nace\_a\_aquaculture | x |  |  |  |
| 103205 | wu\_public\_water\_supply-nace\_b |  |  |  | x |
| NEW-WFD | wu\_public\_water\_supply-nace\_b\_SW | x |  |  |  |
| NEW-WFD | wu\_public\_water\_supply-nace\_b\_GW | x |  |  |  |
| 103206 | wu\_public\_water\_supply-nace\_c |  |  |  | x |
| NEW-WFD | wu\_public\_water\_supply-nace\_c\_SW | x |  |  |  |
| NEW-WFD | wu\_public\_water\_supply-nace\_c\_GW | x |  |  |  |
| NEW - WA | wu\_public\_water\_supply-nace\_f | x |  |  |  |
| 103207 | wu\_public\_water\_supply-nace\_c\_food\_ind |  | x |  |  |
| 103208 | wu\_public\_water\_supply-nace\_c\_basic\_metals |  | x |  |  |
| 103209 | wu\_public\_water\_supply-nace\_c\_transport |  | x |  |  |
| 103210 | wu\_public\_water\_supply-nace\_c\_textiles |  | x |  |  |
| 103211 | wu\_public\_water\_supply-nace\_c\_cooling |  | x |  |  |
| 103212 | wu\_public\_water\_supply-nace\_d |  | x |  |  |
| 103213 | wu\_public\_water\_supply-nace\_d\_cooling |  | x |  |  |
| NEW - WA | wu\_public\_water\_supply-nace\_e\_36 | x |  |  |  |
| NEW - WA | wu\_public\_water\_supply-nace\_e\_37 | x |  |  |  |
| NEW - WA | wu\_public\_water\_supply-nace\_e\_38-39\_G-U | x |  |  |  |
| 103214 | wu\_public\_water\_supply-nace\_d\_hydropower | x |  |  |  |
| 103215 | wu\_public\_water\_supply-nace\_i |  | x |  |  |
| 103216 | wu\_public\_water\_supply-other |  |  |  | x |
| 103217 | wu\_public\_water\_supply-nace\_c\_paper |  | x |  |  |
| 103218 | wu\_public\_water\_supply-nace\_c\_chemicals |  | x |  |  |
| 103219 | wu\_public\_water\_supply-nace\_c\_other\_manufact\_ind |  | x |  |  |
| 103301 | wu\_self\_supply-total |  |  |  | x |
| NEW-WFD | wu\_self\_supply-total\_SW | x |  |  |  |
| NEW-WFD | wu\_self\_supply-total\_GW | x |  |  |  |
| 103302 | wu\_self\_supply-domestic | x |  |  |  |
| 103303 | wu\_self\_supply-nace\_a |  |  |  | x |
| NEW-WFD | wu\_self\_supply-nace\_a\_SW | x |  |  |  |
| NEW-WFD | wu\_self\_supply-nace\_a\_GW | x |  |  |  |
| 103304 | wu\_self\_supply-nace\_a\_irrgation | x |  |  |  |
| NEW-WFD | wu\_self\_supply-nace\_a\_aquaculture | x |  |  |  |
| 103305 | wu\_self\_supply-nace\_b |  |  |  | x |
| NEW-WFD | wu\_self\_supply-nace\_b\_SW | x |  |  |  |
| NEW-WFD | wu\_self\_supply-nace\_b\_GW | x |  |  |  |
| 103306 | wu\_self\_supply-nace\_c |  |  |  | x |
| NEW-WFD | wu\_self\_supply-nace\_c\_SW | x |  |  |  |
| NEW-WFD | wu\_self\_supply-nace\_c\_GW | x |  |  |  |
| NEW - WA | wu\_self\_supply-nace\_f | x |  |  |  |
| 103307 | wu\_self\_supply-nace\_c\_food\_ind |  | x |  |  |
| 103308 | wu\_self\_supply-nace\_c\_basic\_metals |  | x |  |  |
| 103309 | wu\_self\_supply-nace\_c\_transport |  | x |  |  |
| 103310 | wu\_self\_supply-nace\_c\_textiles |  | x |  |  |
| 103311 | wu\_self\_supply-nace\_c\_cooling |  | x |  |  |
| 103312 | wu\_self\_supply-nace\_d |  | x |  |  |
| NEW - WA | wu\_self\_supply-nace\_e\_36 | x |  |  |  |
| NEW - WA | wu\_self\_supply-nace\_e\_37 | x |  |  |  |
| NEW - WA | wu\_self\_supply-nace\_e\_38\_39\_G-U | x |  |  |  |
| 103313 | wu\_self\_supply-nace\_d\_cooling |  | x |  |  |
| 103314 | wu\_self\_supply-nace\_d\_hydropower | x |  |  |  |
| 103315 | wu\_self\_supply-nace\_i |  | x |  |  |
| 103316 | wu\_self\_supply-other |  |  |  | x |
| 103317 | wu\_self\_supply-nace\_c\_paper |  | x |  |  |
| 103318 | wu\_self\_supply-nace\_c\_chemicals |  | x |  |  |
| 103319 | wu\_self\_supply-nace\_c\_other\_manufact\_ind |  | x |  |  |
| 103401 | wu\_recycled\_water-total | x |  |  |  |
| 103402 | wu\_recycled\_water-domestic |  |  |  | x |
| 103403 | wu\_recycled\_water-nace\_a |  |  |  | x |
| 103404 | wu\_recycled\_water-nace\_a\_irrgation |  |  |  | x |
| 103405 | wu\_recycled\_water-nace\_b |  |  |  | x |
| 103406 | wu\_recycled\_water-nace\_c |  |  |  | x |
| 103407 | wu\_recycled\_water-nace\_c\_cooling |  |  |  | x |
| 103408 | wu\_recycled\_water-nace\_d |  |  |  | x |
| 103409 | wu\_recycled\_water-nace\_d\_cooling |  |  |  | x |
| 103410 | wu\_recycled\_water-nace\_i |  |  |  | x |
| 103411 | wu\_recycled\_water-other |  |  |  | x |

#### Table A6: Emissions determinants

| **CAS\_GwEm\*** | **CAS\_ RiLaTCM\*\*** | **Name** | **Group** | **Must keep** | **Should keep** | **Could keep** | **Drop** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 14797-55-8 | 14797-55-8 | Nitrate |  |  |  |  | x |
| 14798-03-9 | 14798-03-9 | Ammonium |  |  |  |  | x |
| NA | no CAS Nutrients 27 | Total Organic Carbon (TOC) |  |  | x |  |  |
| NA | no CAS Nutrients 28 | CODMn |  |  | x |  |  |
| NA | no CAS Nutrients 29 | CODCr |  |  | x |  |  |
| NA | no CAS Nutrients 30 | Total Nitrogen |  |  | x |  |  |
| NA | no CAS Nutrients 33 | Total Phosphorus |  |  | x |  |  |
| NA | no CAS Nutrients 34 | Total suspended solids |  |  |  |  | x |
| NA | no CAS Nutrients 36 | BOD5 |  |  | x |  |  |
| NA | no CAS Nutrients 37 | BOD7 |  |  | x |  |  |
| 71-55-6 | 71-55-6 | 1,1,1-trichloroethane |  |  |  |  | x |
| 127-18-4 | 127-18-4 | 1,1,2,2-tetrachloroethene | EQS directive | x |  |  |  |
| 79-00-5 | 79-00-5 | 1,1,2-trichloroethane |  |  |  |  | x |
| 79-01-6 | 79-01-6 | 1,1,2-trichloroethene | EQS directive | x |  |  |  |
| 87-61-6 | 87-61-6 | 1,2,3-trichlorobenzene |  |  |  |  | x |
| 120-82-1 | 120-82-1 | 1,2,4-trichlorobenzene |  |  |  |  | x |
| 106-93-4 | 106-93-4 | 1,2-dibromoethane |  |  |  |  | x |
| 95-50-1 | 95-50-1 | 1,2-dichlorobenzene |  |  |  |  | x |
| 107-06-2 | 107-06-2 | 1,2-dichloroethane | EQS directive | x |  |  |  |
| 108-70-3 | 108-70-3 | 1,3,5-trichlorobenzene |  |  |  |  | x |
| 541-73-1 | 541-73-1 | 1,3-dichlorobenzene |  |  |  |  | x |
| 57-63-6 | 57-63-6 | 17alpha-ethinylestradiol |  |  |  |  | x |
| 50-28-2 | 50-28-2 | 17beta-estradiol |  |  |  |  | x |
| 25140-90-3 | 25140-90-3 | 2-(2,6-dichlorophenoxy)propionic acid (2,6-DCPP) |  |  |  |  | x |
| 3307-39-9 | 3307-39-9 | 2-(4-chlorophenoxy)propionic acid (4-CPP) |  |  |  |  | x |
| 4901-51-3 | 4901-51-3 | 2,3,4,5-tetrachlorophenol |  |  |  |  | x |
| 58-90-2 | 58-90-2 | 2,3,4,6-tetrachlorophenol |  |  |  |  | x |
| 526-75-0 | 526-75-0 | 2,3-dimethyl-phenol |  |  |  |  | x |
| 93-76-5 | 93-76-5 | 2,4,5-T |  |  |  |  | x |
| 95-95-4 | 95-95-4 | 2,4,5-trichlorophenol |  |  |  |  | x |
| 88-06-2 | 88-06-2 | 2,4,6-trichlorophenol |  |  |  |  | x |
| 94-75-7 | 94-75-7 | 2,4-D |  |  |  |  | x |
| 94-82-6 | 94-82-6 | 2,4-DB |  |  |  |  | x |
| 120-83-2 | 120-83-2 | 2,4-dichlorophenol |  |  |  |  | x |
| 105-67-9 | 105-67-9 | 2,4-dimethyl-phenol |  |  |  |  | x |
| 95-87-4 | 95-87-4 | 2,5-dimethylphenol |  |  |  |  | x |
| 2008-58-4 | 2008-58-4 | 2,6-dichlorobenzamide |  |  |  |  | x |
| 50-30-6 | 50-30-6 | 2,6-dichlorobenzoic acid |  |  |  |  | x |
| 87-65-0 | 87-65-0 | 2,6-dichlorophenol |  |  |  |  | x |
| 576-26-1 | 576-26-1 | 2,6-dimethyl-phenol |  |  |  |  | x |
| 95-48-7 | 95-48-7 | 2-methyl-phenol |  |  |  |  | x |
| 95-65-8 | 95-65-8 | 3,4-dimethyl-phenol |  |  |  |  | x |
| 133-53-9 | 133-53-9 | 3,5-dimethyl-phenol |  |  |  |  | x |
| 16655-82-6 | 16655-82-6 | 3-hydroxycarbofuran |  |  |  |  | x |
| 59-50-7 | 59-50-7 | 3-methyl-4-chlorophenol |  |  |  |  | x |
| 1570-65-6 | 1570-65-6 | 4,6-dichloro-2-methylphenol |  |  |  |  | x |
| 1570-64-5 | 1570-64-5 | 4-chloro-2-methylphenol |  |  |  |  | x |
| 106-44-4 | 106-44-4 | 4-methyl-phenol |  |  |  |  | x |
| 104-40-5 | 104-40-5 | 4-nonylphenol |  |  |  |  | x |
| 20427-84-3 | 20427-84-3 | 4-nonylphenol di-ethoxylate (NP2EO) |  |  |  |  | x |
| 104-35-8 | 104-35-8 | 4-nonylphenol mono-ethoxylate (NP1EO) |  |  |  |  | x |
| 84852-15-3 | 84852-15-3 | 4-nonylphenol, branched |  |  |  |  | x |
| 1806-26-4 | 1806-26-4 | 4-octylphenol |  |  |  |  | x |
| 85540-50-1 | 85540-50-1 | 6-chloro-2-dimethylphenol |  |  |  |  | x |
| 34256-82-1 | 34256-82-1 | Acetochlor |  |  |  |  | x |
| NA | no CAS HS 1 | Adsorbable organic halogens (AOX) | other (RBSP) |  | x |  |  |
| 15972-60-8 | 15972-60-8 | Alachlor | EQS directive | x |  |  |  |
| 309-00-2 | 309-00-2 | Aldrin | EQS directive | x |  |  |  |
| 959-98-8 | 959-98-8 | Alpha-Endosulfan |  |  |  |  | x |
| 319-84-6 | 319-84-6 | Alpha-HCH |  |  |  |  | x |
| 7429-90-5 | 7429-90-5 | Aluminium and its compounds |  |  |  |  | x |
| 7429-90-5 | 7429-90-5\_dissolved | Aluminium dissolved |  |  |  |  | x |
| 834-12-8 | 834-12-8 | Ametryn |  |  |  |  | x |
| 1066-51-9 | 1066-51-9 | Aminomethylphosphonic acid (AMPA) |  |  |  |  | x |
| 120-12-7 | 120-12-7 | Anthracene | EQS directive | x |  |  |  |
| 7440-36-0 | 7440-36-0 | Antimony |  |  |  |  | x |
| 7440-38-2 | 7440-38-2 | Arsenic | other (RBSP) |  | x |  |  |
| 7440-38-2 | 7440-38-2\_dissolved | Arsenic dissolved |  |  |  |  | x |
| 29122-68-7 | 29122-68-7 | Atenolol |  |  |  |  | x |
| 1912-24-9 | 1912-24-9 | Atrazine | EQS directive | x |  |  |  |
| 83905-01-5 | 83905-01-5 | Azitromycin |  |  |  |  | x |
| 7440-39-3 | 7440-39-3 | Barium |  |  |  |  | x |
| 25057-89-0 | 25057-89-0 | Bentazone |  |  |  |  | x |
| 71-43-2 | 71-43-2 | Benzene | EQS directive | x |  |  |  |
| 56-55-3 | 56-55-3 | Benzo(a)anthracene |  |  |  |  | x |
| 50-32-8 | 50-32-8 | Benzo(a)pyrene | EQS directive | x |  |  |  |
| 205-99-2 | 205-99-2 | Benzo(b)fluoranthene | EQS directive | x |  |  |  |
| 191-24-2 | 191-24-2 | Benzo(g,h,i)perylene | EQS directive | x |  |  |  |
| 207-08-9 | 207-08-9 | Benzo(k)fluoranthene | EQS directive | x |  |  |  |
| 95-14-7 | 95-14-7 | Benzotriazol |  |  |  |  | x |
| 7440-41-7 | 7440-41-7 | Beryllium |  |  |  |  | x |
| 33213-65-9 | 33213-65-9 | Beta-Endosulfan |  |  |  |  | x |
| 319-85-7 | 319-85-7 | Beta-HCH |  |  |  |  | x |
| 41859-67-0 | 41859-67-0 | Bezafibrate |  |  |  |  | x |
| 1163-19-5 | 1163-19-5 | Bis(pentabromophenyl) ether |  |  |  |  | x |
| 80-05-7 | 80-05-7 | Bisphenol A |  |  |  |  | x |
| 7440-42-8 | 7440-42-8 | Boron |  |  |  |  | x |
| 314-40-9 | 314-40-9 | Bromacil |  |  |  |  | x |
| 24959-67-9 | 24959-67-9 | Bromide |  |  |  |  | x |
| NA | no CAS HS 19 | Brominated diphenylethers |  |  |  |  | x |
| 1689-84-5 | 1689-84-5 | Bromoxynil |  |  |  |  | x |
| NA | no CAS | BTEX - **new substance for Emissions - end of 2013** |  |  |  |  | x |
| 85-68-7 | 85-68-7 | Butyl benzyl phthalate (BBP) |  |  |  |  | x |
| 7440-43-9 | 7440-43-9 | Cadmium | EQS directive | x |  |  |  |
| 58-08-2 | 58-08-2 | Caffeine |  |  |  |  | x |
| 7440-70-2 | 7440-70-2 | Calcium |  |  |  |  | x |
| 298-46-4 | 298-46-4 | Carbamazepin |  |  |  |  | x |
| 1563-66-2 | 1563-66-2 | Carbofuran |  |  |  |  | x |
| 156-59-2 | 156-59-2 | Cis-1,2-dichloroethene |  |  |  |  | x |
| 81103-11-9 | 81103-11-9 | Clarithromycin |  |  |  |  | x |
| 1702-17-6 | 1702-17-6 | Clopyralid |  |  |  |  | x |
| 7440-48-4 | 7440-48-4 | Cobalt and its compounds |  |  |  |  | x |
| 7440-50-8 | 7440-50-8 | Copper | other (RBSP) |  | x |  |  |
| 21725-46-2 | 21725-46-2 | Cyanazine |  |  |  |  | x |
| 57-12-5 | 57-12-5 | Cyanides (as total CN) | other (RBSP) |  | x |  |  |
| 75-99-0 | 75-99-0 | Dalapon |  |  |  |  | x |
| NA | no CAS HS 20 | DDD (TDE) sum = (DDD, o,p' + DDD, p,p') |  |  |  |  | x |
| 53-19-0 | 53-19-0 | DDD, o,p' |  |  |  |  | x |
| 72-54-8 | 72-54-8 | DDD, p,p' | EQS directive | x |  |  |  |
| NA | no CAS HS 21 | DDE sum = (DDE, o,p' + DDE, p,p') |  |  |  |  | x |
| 3424-82-6 | 3424-82-6 | DDE, o,p' |  |  |  |  | x |
| 72-55-9 | 72-55-9 | DDE, p,p' | EQS directive | x |  |  |  |
| NA | no CAS HS 12 | DDT + DDE + DDD total = (DDT, o,p' + DDT, p,p' + DDE, o,p' + DDE, p,p' + DDD, o,p' + DDD, p,p') |  |  |  |  | x |
| NA | no CAS HS 22 | DDT sum = (DDT, o,p' + DDT, p,p') |  |  |  |  | x |
| NA | no CAS HS 23 | DDT total according Directive 2008/105/EC = (DDT, o,p' + DDT, p,p' + DDE, p,p' + DDD, p,p') | EQS directive | x |  |  |  |
| 789-02-6 | 789-02-6 | DDT, o,p' | EQS directive | x |  |  |  |
| 50-29-3 | 50-29-3 | DDT, p,p' | EQS directive | x |  |  |  |
| 3397-62-4 | 3397-62-4 | Deisopropyldeethylatrazine |  |  |  |  | x |
| 319-86-8 | 319-86-8 | Delta-HCH |  |  |  |  | x |
| 919-86-8 | 919-86-8 | Demeton-S-methyl |  |  |  |  | x |
| 17040-19-6 | 17040-19-6 | Demeton-S-methylsulfon |  |  |  |  | x |
| 52236-30-3 | 52236-30-3 | Desamino-diketo-metribuzin |  |  |  |  | x |
| 6190-65-4 | 6190-65-4 | Desethylatrazine |  |  |  |  | x |
| 30125-63-4 | 30125-63-4 | Desethylterbuthylazine |  |  |  |  | x |
| 1007-28-9 | 1007-28-9 | Desisopropylatrazine |  |  |  |  | x |
| 13684-56-5 | 13684-56-5 | Desmedipham |  |  |  |  | x |
| 117-81-7 | 117-81-7 | Di (2-ethylhexyl) phthalate (DEHP) | EQS directive | x |  |  |  |
| 84-74-2 | 84-74-2 | Di-(n-butyl) phthalate |  |  |  |  | x |
| 333-41-5 | 333-41-5 | Diazinon |  |  |  |  | x |
| 53-70-3 | 53-70-3 | Dibenzo(a,h)anthracene |  |  |  |  | x |
| 1918-00-9 | 1918-00-9 | Dicamba |  |  |  |  | x |
| 15307-86-5 | 15307-86-5 | Diclofenac |  |  |  |  | x |
| 60-57-1 | 60-57-1 | Dieldrin | EQS directive | x |  |  |  |
| 84-66-2 | 84-66-2 | Di-ethyl phthalate |  |  |  |  | x |
| 1194-65-6 | 1194-65-6 | Dichlobenil |  |  |  |  | x |
| NA | no CAS HS 24 | Dichlorobenzene |  |  |  |  | x |
| 75-27-4 | 75-27-4 | Dichlorobromomethane |  |  |  |  | x |
| 75-71-8 | 75-71-8 | Dichlorodifluoromethane |  |  |  |  | x |
| 75-09-2 | 75-09-2 | Dichloromethane | EQS directive | x |  |  |  |
| NA | no CAS HS 25 | Dichlorophenol |  |  |  |  | x |
| 120-36-5 | 120-36-5 | Dichlorprop (2,4-DP) |  |  |  |  | x |
| 62-73-7 | 62-73-7 | Dichlorvos | EQS directive | x |  |  |  |
| 84-69-5 | 84-69-5 | Di-iso-butyl phthalate |  |  |  |  | x |
| 56507-37-0 | 56507-37-0 | Diketo-metribuzin |  |  |  |  | x |
| 60-51-5 | 60-51-5 | Dimethoate |  |  |  |  | x |
| 534-52-1 | 534-52-1 | Dinitro-o-cresol (DNOC) |  |  |  |  | x |
| 88-85-7 | 88-85-7 | Dinoseb |  |  |  |  | x |
| 32536-52-0 | 32536-52-0 | Diphenyl ether, octabromo deviate |  |  |  |  | x |
| 32534-81-9 | 32534-81-9 | Diphenyl ether, pentabromo derivative |  |  |  |  | x |
| 330-54-1 | 330-54-1 | Diuron | EQS directive | x |  |  |  |
| 60-00-4 | 60-00-4 | EDTA |  |  |  |  | x |
| 115-29-7 | 115-29-7 | Endosulfan | EQS directive | x |  |  |  |
| 72-20-8 | 72-20-8 | Endrin | EQS directive | x |  |  |  |
| 6108-10-07 | 6108-10-07 | Epsilon-HCH |  |  |  |  | x |
| 26225-79-6 | 26225-79-6 | Ethofumesate |  |  |  |  | x |
| 100-41-4 | 100-41-4 | Ethylbenzene |  |  |  |  | x |
| 96-45-7 | 96-45-7 | Ethylenethiourea (ETU) |  |  |  |  | x |
| 122-14-5 | 122-14-5 | Fenitrothion |  |  |  |  | x |
| 93-72-1 | 93-72-1 | Fenoprop |  |  |  |  | x |
| 67564-91-4 | 67564-91-4 | Fenpropimorph |  |  |  |  | x |
| 206-44-0 | 206-44-0 | Fluoranthene | EQS directive | x |  |  |  |
| 16984-48-8 | 16984-48-8 | Fluorides |  |  |  |  | x |
| 7782-41-4 | 7782-41-4 | Fluorine |  |  |  |  | x |
| 50-00-0 | 50-00-0 | Formaldehyde |  |  |  |  | x |
| 58-89-9 | 58-89-9 | Gamma-HCH (Lindane) |  |  |  |  | x |
| 1071-83-6 | 1071-83-6 | Glyphosate |  |  |  |  | x |
| NA | no CAS HS 37 | Halogenated organic compounds |  |  |  |  | x |
| 76-44-8 | 76-44-8 | Heptachlor | EQS directive | x |  |  |  |
| 1024-57-3 | 1024-57-3 | Heptachloroepoxide | EQS directive | x |  |  |  |
| 3194-55-6 | 3194-55-6 | Hexabromocyclododecane (HBCDD) | EQS directive | x |  |  |  |
| 118-74-1 | 118-74-1 | Hexachlorobenzene (HCB) | EQS directive | x |  |  |  |
| 87-68-3 | 87-68-3 | Hexachlorobutadiene (HCBD) | EQS directive | x |  |  |  |
| 608-73-1 | 608-73-1 | Hexachlorocyclohexane (HCH) | EQS directive | x |  |  |  |
| 51235-04-2 | 51235-04-2 | Hexazinone |  |  |  |  | x |
| 2163-68-0 | 2163-68-0 | Hydroxyatrazine |  |  |  |  | x |
| 2599-11-3 | 2599-11-3 | Hydroxysimazine |  |  |  |  | x |
| 66753-07-9 | 66753-07-9 | Hydroxyterbuthylazine |  |  |  |  | x |
| 57-74-9 | 57-74-9 | Chlordane |  |  |  |  | x |
| 470-90-6 | 470-90-6 | Chlorfenvinphos | EQS directive | x |  |  |  |
| 1698-60-8 | 1698-60-8 | Chloridazon |  |  |  |  | x |
| NA | no CAS HS 26 | Chloride |  |  |  |  | x |
| NA | no CAS HS 27 | Chlorine Cl- |  |  |  |  | x |
| 85535-84-8 | 85535-84-8 | Chloroalkanes C10-13 | EQS directive | x |  |  |  |
| 108-90-7 | 108-90-7 | Chlorobenzene |  |  |  |  | x |
| 75-01-4 | 75-01-4 | Chloroethene (vinylchloride) |  |  |  |  | x |
| 2921-88-2 | 2921-88-2 | Chlorpyrifos | EQS directive | x |  |  |  |
| 5598-13-0 | 5598-13-0 | Chlorpyrifos-methyl |  |  |  |  | x |
| 64902-72-3 | 64902-72-3 | Chlorsulfuron |  |  |  |  | x |
| 7440-47-3 | 7440-47-3 | Chromium | other (RBSP) |  | x |  |  |
| NA | no CAS HS 28 | Chromium 3+ |  |  |  |  | x |
| NA | no CAS HS 29 | Chromium 6+ |  |  |  |  | x |
| 218-01-9 | 218-01-9 | Chrysene |  |  |  |  | x |
| 15687-27-1 | 15687-27-1 | Ibuprofen |  |  |  |  | x |
| 193-39-5 | 193-39-5 | Indeno(1,2,3-cd)pyrene | EQS directive | x |  |  |  |
| 20461-54-5 | 20461-54-5 | Iodide |  |  |  |  | x |
| 1689-83-4 | 1689-83-4 | Ioxynil |  |  |  |  | x |
| 7439-89-6 | 7439-89-6 | Iron and its compounds |  |  |  |  | x |
| 465-73-6 | 465-73-6 | Isodrin | EQS directive | x |  |  |  |
| 34123-59-6 | 34123-59-6 | Isoproturon | EQS directive | x |  |  |  |
| 7439-92-1 | 7439-92-1 | Lead | EQS directive | x |  |  |  |
| 2164-08-1 | 2164-08-1 | Lenacil |  |  |  |  | x |
| 330-55-2 | 330-55-2 | Linuron |  |  |  |  | x |
| 7439-93-2 | 7439-93-2 | Lithium |  |  |  |  | x |
| 7439-95-4 | 7439-95-4 | Magnesium |  |  |  |  | x |
| 123-33-1 | 123-33-1 | Maleinhydrazid |  |  |  |  | x |
| 7439-96-5 | 7439-96-5 | Manganese and its compounds |  |  |  |  | x |
| 94-74-6 | 94-74-6 | MCPA |  |  |  |  | x |
| 94-81-5 | 94-81-5 | MCPB |  |  |  |  | x |
| 7085-19-0 | 7085-19-0 | Mecoprop |  |  |  |  | x |
| 7439-97-6 | 7439-97-6 | Mercury | EQS directive | x |  |  |  |
| 57837-19-1 | 57837-19-1 | Metalaxyl |  |  |  |  | x |
| 41394-05-2 | 41394-05-2 | Metamitron |  |  |  |  | x |
| 67129-08-2 | 67129-08-2 | Metazachlor |  |  |  |  | x |
| 72-43-5 | 72-43-5 | Methoxychlor |  |  |  |  | x |
| 136-85-6 | 136-85-6 | Methylbenzotriazol |  |  |  |  | x |
| 51218-45-2 | 51218-45-2 | Metolachlor |  |  |  |  | x |
| 37350-58-6 | 37350-58-6 | Metoprolol |  |  |  |  | x |
| 21087-64-9 | 21087-64-9 | Metribuzin |  |  |  |  | x |
| 74233-64-6 | 74233-64-6 | Metsulfuronmethyl |  |  |  |  | x |
| 2385-85-5 | 2385-85-5 | Mirex |  |  |  |  | x |
| 7439-98-7 | 7439-98-7 | Molybdenum and its compounds |  |  |  |  | x |
| 1634-04-4 | 1634-04-4 | MTBE |  |  |  |  | x |
| 108-38-3 | 108-38-3 | M-xylene |  |  |  |  | x |
| 91-20-3 | 91-20-3 | Naphthalene | EQS directive | x |  |  |  |
| 22204-53-1 | 22204-53-1 | Naproxen |  |  |  |  | x |
| 7440-02-0 | 7440-02-0 | Nickel | EQS directive | x |  |  |  |
| 100-02-7 | 100-02-7 | Nitrophenol |  |  |  |  | x |
| 25154-52-3 | 25154-52-3 | Nonylphenol |  |  |  |  | x |
| 9016-45-9 | 9016-45-9 | Nonylphenolethoxylate |  |  |  |  | x |
| 3115-49-9 | 3115-49-9 | Nonylphenoxyacetic acid (NPE1C) |  |  |  |  | x |
| 139-13-9 | 139-13-9 | NTA |  |  |  |  | x |
| NA | no CAS HS 35 | octylphenols |  |  |  |  | x |
| 1113-02-6 | 1113-02-6 | Omethoate |  |  |  |  | x |
| 95-47-6 | 95-47-6 | O-xylene |  |  |  |  | x |
| 140-66-9 | 140-66-9 | Para-tert-octylphenol | EQS directive | x |  |  |  |
| 56-38-2 | 56-38-2 | Parathion |  |  |  |  | x |
| 298-00-0 | 298-00-0 | Parathion-methyl |  |  |  |  | x |
| 189084-64-8 | 189084-64-8 | PBDE100 (2,2',4,4',6-pentabromodiphenyl ether) | EQS directive | x |  |  |  |
| 68631-49-2 | 68631-49-2 | PBDE153 (2,2',4,4',5,5'-hexabromodiphenyl ether) | EQS directive | x |  |  |  |
| 207122-15-4 | 207122-15-4 | PBDE154 (2,2',4,4',5,6'-hexabromodiphenyl ether) | EQS directive | x |  |  |  |
| 41318-75-6 | 41318-75-6 | PBDE28 | EQS directive | x |  |  |  |
| 5436-43-1 | 5436-43-1 | PBDE47 (2,2',4,4'-tetrabromodiphenyl ether) | EQS directive | x |  |  |  |
| 60328-60-9 | 60328-60-9 | PBDE99 | EQS directive | x |  |  |  |
| 37680-73-2 | 37680-73-2 | PCB101 (2,2',4,5,5'-pentachlorobiphenyl) |  |  |  |  | x |
| 60145-21-3 | 60145-21-3 | PCB103 |  |  |  |  | x |
| 70362-41-3 | 70362-41-3 | PCB106 |  |  |  |  | x |
| 31508-00-6 | 31508-00-6 | PCB118 |  |  |  |  | x |
| 35065-28-2 | 35065-28-2 | PCB138 (2,2',3,4,4',5'-hexachlorobiphenyl) |  |  |  |  | x |
| 35065-27-1 | 35065-27-1 | PCB153 (2,2',4,4',5,5'-hexachlorobiphenyl) |  |  |  |  | x |
| 32774-16-6 | 32774-16-6 | PCB169 |  |  |  |  | x |
| 35065-29-3 | 35065-29-3 | PCB180 (2,2',3,4,4',5,5'-heptachlorobiphenyl) |  |  |  |  | x |
| 35694-08-7 | 35694-08-7 | PCB194 (1,2,3,4-tetrachloro-5-(2,3,4,5-tetrachlorophenyl)benzene) |  |  |  |  | x |
| 7012-37-5 | 7012-37-5 | PCB28 (2,4,4'-trichlorobiphenyl) |  |  |  |  | x |
| 35693-99-3 | 35693-99-3 | PCB52 (2,2',5,5'-tetrachlorobiphenyl) |  |  |  |  | x |
| 32598-13-3 | 32598-13-3 | PCB77 |  |  |  |  | x |
| 40487-42-1 | 40487-42-1 | Pendimethalin |  |  |  |  | x |
| 608-93-5 | 608-93-5 | Pentachlorobenzene | EQS directive | x |  |  |  |
| 87-86-5 | 87-86-5 | Pentachlorophenol | EQS directive | x |  |  |  |
| NA | no CAS HS 30 | Pesticides (sum) |  |  |  |  | x |
| 335-67-1 | 335-67-1 | PFOA |  |  |  |  | x |
| 1763-23-1 | 1763-23-1 | PFOS and its derivatives | EQS directive | x |  |  |  |
| 85-01-8 | 85-01-8 | Phenanthrene |  |  |  |  | x |
| 108-95-2 | 108-95-2 | Phenol |  |  |  |  | x |
| NA | no CAS HS 34 | Phenols |  |  |  |  | x |
| 2310-17-0 | 2310-17-0 | Phosalone |  |  |  |  | x |
| 23103-98-2 | 23103-98-2 | Pirimicarb |  |  |  |  | x |
| NA | no CAS HS 13 | Polyaromatic hydro-carbons (PAH) (sum) in 2014 should be corrected to "Polyaromatic hydrocarbons (PAH) (sum)" | EQS directive | x |  |  |  |
| 1336-36-3 | 1336-36-3 | Polychlorinated biphenyls |  |  |  |  | x |
| 7440-09-7 | 7440-09-7 | Potassium |  |  |  |  | x |
| 1610-18-0 | 1610-18-0 | Prometon |  |  |  |  | x |
| 7287-19-6 | 7287-19-6 | Prometryn |  |  |  |  | x |
| 139-40-2 | 139-40-2 | Propazine |  |  |  |  | x |
| 60207-90-1 | 60207-90-1 | Propiconazole |  |  |  |  | x |
| 106-42-3 | 106-42-3 | P-xylene |  |  |  |  | x |
| 129-00-0 | 129-00-0 | Pyrene |  |  |  |  | x |
| 55512-33-9 | 55512-33-9 | Pyridate |  |  |  |  | x |
| 7286-69-3 | 7286-69-3 | Sebuthylazine |  |  |  |  | x |
| 26259-45-0 | 26259-45-0 | Secbumeton |  |  |  |  | x |
| 7782-49-2 | 7782-49-2 | Selenium and its compounds |  |  |  |  | x |
| 7440-22-4 | 7440-22-4 | Silver |  |  |  |  | x |
| 122-34-9 | 122-34-9 | Simazine | EQS directive | x |  |  |  |
| 7440-23-5 | 7440-23-5 | Sodium |  |  |  |  | x |
| 151-21-3 | 151-21-3 | Sodium dodecyl sulfate |  |  |  |  | x |
| 7440-24-6 | 7440-24-6 | Strontium |  |  |  |  | x |
| 100-42-5 | 100-42-5 | Styrene |  |  |  |  | x |
| 723-46-6 | 723-46-6 | Sulfamethoxazol |  |  |  |  | x |
| NA | no CAS HS 32 | Sulphate |  |  |  |  | x |
| NA | no CAS HS 17 | TCDD (dioxins and furans) |  |  |  |  | x |
| 33693-04-8 | 33693-04-8 | Terbumeton |  |  |  |  | x |
| 5915-41-3 | 5915-41-3 | Terbuthylazine |  |  |  |  | x |
| 886-50-0 | 886-50-0 | Terbutryn | EQS directive | x |  |  |  |
| 56-23-5 | 56-23-5 | Tetrachloromethane | EQS directive | x |  |  |  |
| 25167-83-3 | 25167-83-3 | Tetrachlorophenols |  |  |  |  | x |
| 7440-28-0 | 7440-28-0 | Thallium |  |  |  |  | x |
| 7440-31-5 | 7440-31-5 | Tin and its compounds |  |  |  |  | x |
| 7440-32-6 | 7440-32-6 | Titanium |  |  |  |  | x |
| 108-88-3 | 108-88-3 | Toluene |  |  |  |  | x |
| 13351-73-0 | 13351-73-0 | Tolyltriazole |  |  |  |  | x |
| 36643-28-4 | 36643-28-4 | Tributyltin cation | EQS directive | x |  |  |  |
| 688-73-3 | 688-73-3 | Tributyltin compounds |  |  |  |  | x |
| 1582-09-8 | 1582-09-8 | Trifluralin | EQS directive | x |  |  |  |
| 76-03-9 | 76-03-9 | Trichloroacetic acid |  |  |  |  | x |
| 12002-48-1 | 12002-48-1 | Trichlorobenzenes | EQS directive | x |  |  |  |
| 75-69-4 | 75-69-4 | Trichlorofluoromethane |  |  |  |  | x |
| 67-66-3 | 67-66-3 | Trichloromethane | EQS directive | x |  |  |  |
| 738-70-5 | 738-70-5 | Trimethoprim |  |  |  |  | x |
| 7440-61-1 | 7440-61-1 | Uranium |  |  |  |  | x |
| 7440-62-2 | 7440-62-2 | Vanadium and its compounds |  |  |  |  | x |
| NA | no CAS HS 33 | Volatile organic halogens (VOX) |  |  |  |  | x |
| 1330-20-7 | 1330-20-7 | Xylene |  |  |  |  | x |
| 7440-66-6 | 7440-66-6 | Zinc | other (RBSP) |  | x |  |  |
| 84852-15-3 | 84852-15-3 | 4-nonylphenol, branched | EQS directive | x |  |  |  |
| 74070-46-5 | 74070-46-5 | Aclonifen | EQS directive | x |  |  |  |
| 42576-02-3 | 42576-02-3 | Bifenox | EQS directive | x |  |  |  |
| 28159-98-0 | 28159-98-0 | Cybutryne | EQS directive | x |  |  |  |
| 52315-07-8 | 52315-07-8 | Cypermethrin | EQS directive | x |  |  |  |
| 115-32-2 | 115-32-2 | Dicofol | EQS directive | x |  |  |  |
|  |  | Dioxin and dioxine-like compounds | EQS directive | x |  |  |  |
| 124495-18-7 | 124495-18-7 | Quinoxyfen | EQS directive | x |  |  |  |

*\*CAS GWEm: CAS number Data Dictionary groundwater/emissions*

*\*\*CAS DD RiLaTCM: CAS number Data Dictionary rivers/lakes/transitional, coastal and marine waters*