**Section 725.APPENDIX F Compounds with Henry's Law Constant Less Than 0.1 Y/X (at 25 °C)**

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| Compound name | CAS No. |
|   |  |
| Acetaldol | 107-89-1 |
| Acetamide | 60-35-5 |
| 2-Acetylaminofluorene | 53-96-3 |
| 3-Acetyl-5-hydroxypiperidine |  |
| 3-Acetylpiperidine | 618-42-8 |
| 1-Acetyl-2-thiourea | 591-08-2 |
| Acrylamide | 79-06-1 |
| Acrylic acid | 79-10-7 |
| Adenine | 73-24-5 |
| Adipic acid | 124-04-9 |
| Adiponitrile | 111-69-3 |
| Alachlor | 15972-60-8 |
| Aldicarb | 116-06-3 |
| Ametryn | 834-12-8 |
| 4-Aminobiphenyl | 92-67-1 |
| 4-Aminopyridine | 504-24-5 |
| Aniline | 62-53-3 |
| o-Anisidine | 90-04-0 |
| Anthraquinone | 84-65-1 |
| Atrazine | 1912-24-9 |
| Benzenearsonic acid | 98-05-5 |
| Benzenesulfonic acid | 98-11-3 |
| Benzidine | 92-87-5 |
| Benzo(a)anthracene | 56-55-3 |
| Benzo(k)fluoranthene | 207-08-9 |
| Benzoic acid | 65-85-0 |
| Benzo(g,h,i)perylene | 191-24-2 |
| Benzo(a)pyrene | 50-32-8 |
| Benzyl alcohol | 100-51-6 |
| γ-BHC | 58-89-9 |
| Bis(2-ethylhexyl)phthalate | 117-81-7 |
| Bromoxynil (3,5-Dibromo-4-hydroxybenzonitrile) | 1689-84-5 |
| Butyric acid | 107-92-6 |
| Caprolactam (hexahydro-2H-azepin-2-one) | 105-60-2 |
| Catechol(o-dihydroxybenzene) | 120-80-9 |
| Cellulose | 9004-34-6 |
| Cell wall |  |
| Chlorhydrin (3-Chloro-1,2-propanediol) | 96-24-2 |
| Chloroacetic acid | 79-11-8 |
| 2-Chloroacetophenone | 93-76-5 |
| p-Chloroaniline | 106-47-8 |
| p-Chlorobenzophenone | 134-85-0 |
| Chlorobenzilate | 510-15-6 |
| p-Chloro-m-cresol (6-chloro-m-cresol) | 59-50-7 |
| 2-Chloroethane-1,1-diol  | 15873-56-0 |
| 4-Chlorophenol | 106-48-9 |
| Chlorophenol polymers (2-chlorophenol & 4-chlorophenol) | 95-57-8 & 106-48-9 |
| 1-(o-Chlorophenyl)thiourea | 5344-82-1 |
| N-Chlorosuccinimide (1-chloropyrrolidine-2,5-dione) | 128-09-6 |
| Chrysene | 218-01-9 |
| Citric acid | 77-92-9 |
| Creosote | 8001-58-9 |
| m-Cresol | 108-39-4 |
| o-Cresol | 95-48-7 |
| p-Cresol | 106-44-5 |
| Cresol (mixed isomers) | 1319-77-3 |
| 4-Cumylphenol | 27576-86 |
| Cyanide | 57-12-5 |
| Diazinon | 333-41-5 |
| Dibenzo(a,h)anthracene | 53-70-3 |
| Dibutylphthalate | 84-74-2 |
| 2,5-Dichloroaniline (N,N'-dichloroaniline) | 95-82-9 |
| 2,6-Dichlorobenzonitrile | 1194-65-6 |
| 2,6-Dichloro-4-nitroaniline | 99-30-9 |
| 2,5-Dichlorophenol | 333-41-5 |
| 3,4-Dichlorotetrahydrofuran | 3511-19 |
| Dichlorvos (DDVP) | 62-73-7 |
| Diethanolamine | 111-42-2 |
| N,N-Diethylaniline | 91-66-7 |
| Diethylene glycol | 111-46-6 |
| Diethylene glycol dimethyl ether (dimethyl Carbitol) | 111-96-6 |
| Diethylene glycol monobutyl ether (butyl Carbitol) | 112-34-5 |
| Diethylene glycol monoethyl ether acetate (Carbitol acetate) | 112-15-2 |
| Diethylene glycol monoethyl ether (Carbitol Cellosolve) | 111-90-0 |
| Diethylene glycol monomethyl ether (methyl Carbitol) | 111-77-3 |
| N,N'-Diethylhydrazine | 1615-80-1 |
| Diethyl(4-methylumbelliferyl)thionophosphate | 299-45-6 |
| Diethylphosphorothioate | 126-75-0 |
| N,N'-Diethylpropionamide | 15299-99-7 |
| Dimethoate | 60-51-5 |
| 2,3-Dimethoxystrychnidin-10-one | 357-57-3 |
| 4-Dimethylaminoazobenzene | 60-11-7 |
| 7,12-Dimethylbenz(a)anthracene | 57-97-6 |
| 3,3-Dimethylbenzidine | 119-93-7 |
| Dimethylcarbamoyl chloride | 79-44-7 |
| Dimethyldisulfide | 624-92-0 |
| Dimethylformamide | 68-12-2 |
| 1,1-Dimethylhydrazine | 57-14-7 |
| Dimethylphthalate | 131-11-3 |
| Dimethylsulfone | 67-71-0 |
| Dimethylsulfoxide | 67-68-5 |
| 4,6-Dinitro-o-cresol | 534-52-1 |
| 1,2-Diphenylhydrazine | 122-66-7 |
| Dipropylene glycol (1,1'-oxydi-2-propanol) | 110-98-5 |
| Endrin | 72-20-8 |
| Epinephrine | 51-43-4 |
| mono-Ethanolamine | 141-43-5 |
| Ethyl carbamate (urethane) | 51-79-6 |
| Ethylene glycol | 107-21-1 |
| Ethylene glycol monobutyl ether (butyl Cellosolve) | 111-76-2 |
| Ethylene glycol monoethyl ether (Cellosolve) | 110-80-5 |
| Ethylene glycol monoethyl ether acetate (Cellosolve acetate) | 111-15-9 |
| Ethylene glycol monomethyl ether (methyl Cellosolve) | 109-86-4 |
| Ethylene glycol monophenyl ether (phenyl Cellosolve) | 122-99-6 |
| Ethylene glycol monopropyl ether (propyl Cellosolve) | 2807-30-9 |
| Ethylene thiourea (2-imidazolidinethione) | 96-45-7 |
| 4-Ethylmorpholine | 100-74-3 |
| 3-Ethylphenol | 620-17-7 |
| Fluoroacetic acid, sodium salt | 62-74-8 |
| Formaldehyde | 50-00-0 |
| Formamide | 75-12-7 |
| Formic acid | 64-18-6 |
| Fumaric acid | 110-17-8 |
| Glutaric acid | 110-94-1 |
| Glycerin (Glycerol) | 56-81-5 |
| Glycidol | 556-52-5 |
| Glycinamide | 598-41-4 |
| Glyphosate | 1071-83-6 |
| Guthion | 86-50-0 |
| Hexamethylene-1,6-diisocyanate (1,6-diisocyanatohexane) | 822-06-0 |
| Hexamethyl phosphoramide | 680-31-9 |
| Hexanoic acid | 142-62-1 |
| Hydrazine | 302-01-2 |
| Hydrocyanic acid | 74-90-8 |
| Hydroquinone | 123-31-9 |
| Hydroxy-2-propionitrile (hydracrylonitrile) | 109-78-4 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 |
| Lead acetate | 301-04-2 |
| Lead subacetate (lead acetate, monobasic) | 1335-32-6 |
| Leucine | 61-90-5 |
| Malathion | 121-75-5 |
| Maleic acid | 110-16-7 |
| Maleic anhydride | 108-31-6 |
| Mesityl oxide | 141-79-7 |
| Methane sulfonic acid | 75-75-2 |
| Methomyl | 16752-77-5 |
| p-Methoxyphenol | 150-76-5 |
| Methylacrylate | 96-33-3 |
| 2-(Methylamino)acetic acid (sarcosine, N-methylglycine) | 107-97-1 |
| Methyl bromochloroacetate | 20428-74-4 |
| Methyl-4-(cyanomethyl)benzoate | 76469-88-0 |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 |
| 4,4'-Methylenediphenyl diisocyanate (diphenyl methane diisocyanate) | 101-68-8 |
| 4,4'-Methylenedianiline (MDA) | 101-77-9 |
| 5-Methylfurfural | 620-02-0 |
| Methylhydrazine | 60-34-4 |
| Methyl methane sulfonate | 66-27-3 |
| Methylparathion | 298-00-0 |
| Methyl sulfuric acid (sulfuric acid, dimethyl ester) | 77-78-1 |
| 4-Methylthiophenol | 106-45-6 |
| Monomethylformamide (N-methylformamide) | 123-39-7 |
| Nabam | 142-59-6 |
| α-Naphthol | 90-15-3 |
| β-Naphthol | 135-19-3 |
| α-Naphthylamine | 134-32-7 |
| β-Naphthylamine | 91-59-8 |
| Neopentyl glycol | 126-30-7 |
| Niacinamide | 98-92-0 |
| o-Nitroaniline | 88-74-4 |
| Nitroglycerin | 55-63-0 |
| 2-Nitrophenol | 88-75-5 |
| 4-Nitrophenol | 100-02-7 |
| N-Nitrosodimethylamine | 62-75-9 |
| Nitrosoguanidine | 674-81-7 |
| N-Nitroso-n-methylurea | 684-93-5 |
| N-Nitrosomorpholine (4-nitrosomorpholine) | 59-89-2 |
| Oxalic acid | 144-62-7 |
| Parathion | 56-38-2 |
| Pentaerythritol | 115-77-5 |
| Phenacetin | 62-44-2 |
| Phenol | 108-95-2 |
| Phenylacetic acid | 103-82-2 |
| m-Phenylene diamine | 108-45-2 |
| o-Phenylene diamine | 95-54-5 |
| p-Phenylene diamine | 106-50-3 |
| Phenyl mercuric acetate | 62-38-4 |
| Phorate | 298-02-2 |
| Phthalic anhydride | 85-44-9 |
| α-Picoline (2-methyl pyridine) | 109-06-8 |
| 1,3-Propane sulfone | 1120-71-4 |
| β-Propiolactone | 57-57-8 |
| Propoxur (Baygon) 2-(1-methylethoxy)phenol N- | 114-26-1 |
| methylcarbamate |  |
| Propylene glycol | 57-55-6 |
| Pyrene | 129-00-0 |
| Pyridinium bromide | 39416-48-3 |
| Quinoline | 91-22-5 |
| Quinone (p-benzoquinone) | 106-51-4 |
| Resorcinol | 108-46-3 |
| Simazine | 122-34-9 |
| Sodium acetate | 127-09-3 |
| Sodium formate | 141-53-7 |
| Strychnine | 57-24-9 |
| Succinic acid | 110-15-6 |
| Succinimide | 123-56-8 |
| Sulfanilic acid | 121-47-1 |
| Terephthalic acid | 100-21-0 |
| Tetraethyldithiopyrophosphate | 3689-24-5 |
| Tetraethylenepentamine | 112-57-2 |
| Thiofanox | 39196-18-4 |
| Thiosemicarbazide | 79-19-6 |
| 2,4-Toluenediamine | 95-80-7 |
| 2,6-Toluenediamine | 823-40-5 |
| 3,4-Toluenediamine | 496-72-0 |
| 2,4-Toluene diisocyanate | 584-84-9 |
| p-Toluic acid | 99-94-5 |
| m-Toluidine | 108-44-1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 |
| Triethanolamine | 102-71-6 |
| Triethylene glycol dimethyl ether (2,5,8,11-tetraoxadodecane, 1- | 112-49-2 |
| methoxy-2-(2-(2-methoxyethoxy)ethoxy)ethane) |  |
| Tripropylene glycol | 24800-44-0 |
| Warfarin | 81-81-2 |
| 3,4-Xylenol (3,4-dimethylphenol) | 95-65-8 |

(Source: Amended at 42 Ill. Reg. 23725, effective November 19, 2018)