

QSAR models for the prediction of dietary biomagnification factor in fish

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Supplementary materials

Table S1 – Dataset 1: based on good quality data (high and medium). Chemicals are reported with CAS numbers, names, splitting category (Training or Prediction set), experimental and predicted Log BMF_L, standardized residuals, HAT values and values of the molecular descriptors included in the model.

Table S2 – Dataset 2: Dataset based only on low quality data with experimental Log BMF_L (low) and predicted Log BMF_L (by Equation 2).

Table S3 – Dataset 3: Consistent dataset based on high quality data (Dataset 1) and verified low quality data from Dataset 2. Chemicals are reported with CAS numbers, names, splitting category (Training or Prediction set), experimental and predicted Log BMF_L, standardized residuals, HAT values and values of the molecular descriptors included in the model.

Table S4 - List of the excluded molecules.

Table S5 – List of the molecules outside the Applicability Domain (AD) of equations 1 and 3. with CAS numbers, SMILES, Structures, chemicals common names, and information on the AD.

Table S1 – Dataset 1: based on good quality data (high and medium). Chemicals are reported with CAS numbers, names, splitting category (Training or Prediction set), experimental and predicted Log BMFL, standardized residuals, HAT values and values of the molecular descriptors included in the model.

| CAS | Chemical Name | Split Eq. 1 | Exp Log BMFL highQuality | Pred Log BMFL | Pred. Mod. Eq.Res. | Std.Pred. Mod. Eq. Res. | HAT i/i (h*=0.209) | AATS5i | BCUT w-11 | Pubchem FP257 | C3SP 2 | MAT S1i | GATS 5m | GGI5 |
|-------------|-----------------------------------|-------------|--------------------------|---------------|--------------------|-------------------------|--------------------|---------|-----------|---------------|--------|---------|---------|-------|
| 10394-57-7 | 9-n butylphenanthrene | Training | -1.854 | -1.174 | 0.680 | 1.610 | 0.022 | 152.312 | 11.890 | 1 | 5 | 0.053 | 1.095 | 0.389 |
| 104-72-3 | Decyl benzene | Prediction | -0.745 | -0.776 | -0.031 | -0.073 | 0.026 | 163.684 | 11.890 | 0 | 1 | 0.000 | 0.935 | 0.090 |
| 107534-96-3 | Tebuconazole | Training | -1.921 | -1.923 | -0.002 | -0.005 | 0.136 | 169.903 | 11.890 | 1 | 1 | -0.078 | 0.494 | 0.893 |
| 111-84-2 | n-nonane | Training | -0.893 | -1.195 | -0.302 | -0.722 | 0.038 | 167.659 | 11.890 | 0 | 0 | -0.079 | 0.919 | 0.056 |
| 112281-77-3 | Tetraconazole | Prediction | -2.046 | -1.411 | 0.634 | 1.635 | 0.173 | 170.118 | 11.988 | 1 | 1 | -0.118 | 1.037 | 0.847 |
| 112-40-3 | n-dodecane | Prediction | -0.878 | -1.056 | -0.179 | -0.425 | 0.031 | 166.549 | 11.890 | 0 | 0 | -0.059 | 0.946 | 0.056 |
| 112-41-4 | 1-dodecene | Training | -0.941 | -0.996 | -0.055 | -0.131 | 0.031 | 165.927 | 11.890 | 0 | 0 | -0.057 | 0.933 | 0.056 |
| 118-74-1 | Hexachlorobenzene | Training | 0.306 | 0.549 | 0.243 | 0.678 | 0.293 | 168.159 | 11.999 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| 118-82-1 | Binox M | Prediction | 0.155 | -1.265 | -1.420 | -4.417 | 0.433 | 157.787 | 11.890 | 1 | 6 | 0.064 | 1.427 | 2.542 |
| 120068-37-3 | Fipronil | Training | -1.699 | -1.697 | 0.002 | 0.007 | 0.412 | 180.878 | 11.999 | 1 | 1 | -0.016 | 1.159 | 1.567 |
| 120-12-7 | Anthracene | Training | -1.875 | -1.651 | 0.224 | 0.538 | 0.049 | 155.231 | 11.850 | 1 | 4 | 0.055 | 0.962 | 0.111 |
| 123-48-8 | 2,2,4,4,6,6 pentamethyl-3-heptene | Prediction | -1.284 | -0.390 | 0.894 | 2.446 | 0.267 | 150.833 | 11.890 | 0 | 1 | -0.057 | 1.997 | 0.500 |
| 125116-23-6 | Metconazole | Training | -1.721 | -1.726 | -0.005 | -0.012 | 0.126 | 169.212 | 11.890 | 1 | 1 | -0.034 | 0.467 | 0.858 |
| 126690-66-2 | 2,4,6 Trimethyl-3-heptene | Prediction | -1.041 | -0.769 | 0.272 | 0.688 | 0.143 | 156.295 | 11.890 | 0 | 1 | -0.069 | 1.679 | 0.222 |
| 13029-08-8 | 2,2'-Dichlorophenyl | Prediction | 0.663 | 0.097 | -0.566 | -1.369 | 0.062 | 152.071 | 11.999 | 1 | 2 | 0.035 | 1.340 | 0.194 |
| 13150-81-7 | 2,6-Dimethyldecane | Training | -1.319 | -0.993 | 0.326 | 0.774 | 0.028 | 166.327 | 11.890 | 0 | 0 | -0.059 | 0.951 | 0.222 |

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|------------|---|------------|--------|--------|--------|--------|-------|---------|--------|---|---|------------|-------|-------|
| 13151-34-3 | 3-methyl decane | Prediction | -1.699 | -1.179 | 0.520 | 1.238 | 0.033 | 168.836 | 11.890 | 0 | 0 | - 0.064 | 0.835 | 0.111 |
| 13475-82-6 | 2,2,4,6,6-pentamethylheptane | Training | -0.728 | -0.608 | 0.120 | 0.304 | 0.143 | 157.726 | 11.890 | 0 | 0 | - 0.059 | 1.652 | 0.500 |
| 14233-37-5 | 9,10-Anthracenedione, 1,4-bis[(1-methylethyl)amino] | Training | -0.500 | -0.857 | -0.357 | -0.883 | 0.103 | 152.222 | 11.890 | 1 | 4 | 0.017 | 1.124 | 1.389 |
| 15254-25-8 | 2,3,6,7-Tetramethylanthracene | Training | -1.757 | -2.096 | -0.339 | -0.838 | 0.102 | 160.517 | 11.890 | 1 | 8 | 0.053 | 0.819 | 0.444 |
| 15968-05-5 | 2,2',6,6'-Tetrachlorobiphenyl | Training | 0.623 | 0.420 | -0.203 | -0.488 | 0.046 | 149.757 | 11.999 | 1 | 2 | 0.035 | 1.106 | 0.250 |
| 1610-22-6 | 1,2,3,4,4a,7,8,9,10,11,12,12a-dodecahydrochrysenone | Training | -0.770 | -0.496 | 0.273 | 0.663 | 0.068 | 159.450 | 11.900 | 0 | 4 | 0.089 | 1.072 | 0.361 |
| 16435-49-7 | 2-methyl-1-dodecene | Prediction | -1.200 | -1.102 | 0.099 | 0.234 | 0.029 | 165.756 | 11.890 | 0 | 1 | - 0.053 | 0.940 | 0.111 |
| 16606-02-3 | 2,4',5-Trichlorobiphenyl | Training | 0.525 | 0.404 | -0.121 | -0.291 | 0.049 | 152.367 | 11.999 | 1 | 2 | 0.035 | 0.829 | 0.389 |
| 1678-98-4 | iso-butyl cyclohexane | Training | -0.652 | -0.695 | -0.044 | -0.104 | 0.024 | 165.164 | 11.900 | 0 | 0 | 0.000 | 1.036 | 0.118 |
| 16958-92-2 | Diisotridecyl adipate | Training | -1.959 | -1.017 | 0.942 | 2.251 | 0.040 | 165.093 | 11.890 | 0 | 0 | - 0.085 | 1.023 | 0.222 |
| 1705-85-7 | 6-methylchrysene | Training | -1.398 | -1.251 | 0.148 | 0.353 | 0.039 | 150.424 | 11.890 | 1 | 7 | 0.061 | 1.148 | 0.618 |
| 1706-50-9 | 1,1':3',1''Tercyclohexane | Training | -0.357 | -0.223 | 0.134 | 0.323 | 0.062 | 163.993 | 11.900 | 0 | 0 | 0.068 | 0.937 | 0.500 |
| 17088-22-1 | 1-ethylpyrene | Training | -1.699 | -1.424 | 0.275 | 0.657 | 0.040 | 152.141 | 11.890 | 1 | 7 | 0.067 | 1.162 | 0.458 |
| 17301-23-4 | 2,6-Dimethyl undecane | Training | -1.027 | -0.950 | 0.077 | 0.183 | 0.028 | 166.145 | 11.890 | 0 | 0 | - 0.054 | 0.956 | 0.278 |
| 17312-44-6 | 2,3-Dimethyldecane | Prediction | -1.585 | -1.196 | 0.389 | 0.928 | 0.034 | 169.888 | 11.890 | 0 | 0 | - 0.059 | 0.774 | 0.167 |
| 1732-13-4 | 1,2,3,6,7,8-Hexahydropyrene | Training | -1.252 | -1.471 | -0.219 | -0.527 | 0.051 | 154.831 | 11.900 | 1 | 6 | 0.086 | 1.229 | 0.111 |
| 1795-15-9 | n - Octyl Cyclohexane | Training | -1.222 | -0.752 | 0.470 | 1.114 | 0.025 | 166.787 | 11.900 | 0 | 0 | 0.000 | 0.887 | 0.090 |

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|-------------|--|------------|--------|--------|--------|--------|-------|---------|--------|---|----|--------|-------|-------|
| 18094-01-4 | 2 methyl 1-Tridecene | Prediction | -0.921 | -1.081 | -0.160 | -0.381 | 0.028 | 165.618 | 11.890 | 0 | 1 | -0.049 | 0.945 | 0.111 |
| 1836-75-5 | 2,4-Dichloro-1-(4-nitrophenoxy) benzene | Training | -0.821 | -0.485 | 0.336 | 0.910 | 0.254 | 154.242 | 11.850 | 1 | 0 | 0.168 | 0.854 | 0.417 |
| 1839-63-0 | 1,3,5-Trimethyl cyclohexane | Training | -0.456 | -0.954 | -0.498 | -1.192 | 0.044 | 166.510 | 11.900 | 0 | 0 | 0.000 | 1.254 | 0.000 |
| 18516-37-5 | 2-methyl-1-undecene | Training | -1.456 | -1.126 | 0.330 | 0.785 | 0.031 | 165.927 | 11.890 | 0 | 1 | -0.057 | 0.933 | 0.111 |
| 1889-67-4 | Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-ethaneDiyl)bis- | Training | -0.777 | -1.424 | -0.646 | -1.553 | 0.050 | 162.220 | 11.890 | 1 | 2 | 0.030 | 0.911 | 0.625 |
| 191-24-2 | Benzo(ghi)perylene | Training | -1.495 | -1.618 | -0.123 | -0.305 | 0.111 | 145.804 | 11.850 | 1 | 10 | 0.070 | 1.085 | 0.736 |
| 193-39-5 | Indeno 1,2,3-cd pyrene | Training | -1.538 | -1.634 | -0.096 | -0.239 | 0.112 | 146.060 | 11.850 | 1 | 10 | 0.070 | 1.124 | 0.820 |
| 194-69-4 | Benzo(c)chrysene | Training | -1.301 | -1.600 | -0.299 | -0.723 | 0.061 | 148.346 | 11.850 | 1 | 8 | 0.064 | 1.079 | 0.542 |
| 19780-74-6 | 5-ethyl-1-nonene | Training | -0.461 | -0.984 | -0.523 | -1.244 | 0.030 | 166.134 | 11.890 | 0 | 0 | -0.063 | 0.909 | 0.167 |
| 20279-21-4 | 1,2,3,10b-Tetrahydrofluorant hene | Training | -1.638 | -1.252 | 0.386 | 0.920 | 0.033 | 154.143 | 11.900 | 1 | 5 | 0.080 | 1.217 | 0.219 |
| 204256-07-5 | 2,3 Dimethyl-5(4methylpentyl) naphthalene | Training | -1.367 | -1.748 | -0.381 | -0.909 | 0.034 | 160.151 | 11.890 | 1 | 5 | 0.031 | 0.951 | 0.514 |
| 2050-68-2 | 4,4'-Dichlorobiphenyl | Training | 0.519 | 0.460 | -0.058 | -0.144 | 0.110 | 153.991 | 11.999 | 1 | 2 | 0.035 | 0.471 | 0.361 |
| 2051-30-1 | 2,6-Dimethyl octane | Prediction | -1.854 | -1.201 | 0.652 | 1.555 | 0.034 | 169.400 | 11.890 | 0 | 0 | -0.071 | 0.814 | 0.222 |
| 206-44-0 | Fluoranthene | Training | -1.553 | -1.585 | -0.032 | -0.077 | 0.057 | 149.167 | 11.850 | 1 | 6 | 0.065 | 1.303 | 0.219 |
| 207-08-9 | Benzo(k)fluoranthene | Prediction | -1.979 | -1.614 | 0.365 | 0.881 | 0.060 | 148.762 | 11.850 | 1 | 8 | 0.067 | 1.091 | 0.594 |
| 214-17-5 | Benzo[b]chrysene | Training | -1.745 | -1.721 | 0.023 | 0.056 | 0.058 | 150.131 | 11.850 | 1 | 8 | 0.064 | 1.034 | 0.528 |
| 217-59-4 | Triphenylene | Training | -1.658 | -1.311 | 0.346 | 0.835 | 0.056 | 146.996 | 11.850 | 1 | 6 | 0.061 | 1.175 | 0.375 |
| 218-01-9 | Chrysene | Prediction | -1.538 | -1.598 | -0.061 | -0.145 | 0.041 | 150.909 | 11.850 | 1 | 6 | 0.061 | 1.125 | 0.361 |
| 2189-60-8 | n-octyl benzene | Prediction | -1.648 | -0.759 | 0.888 | 2.109 | 0.026 | 163.529 | 11.890 | 0 | 1 | 0.000 | 0.927 | 0.090 |
| 22907-72-8 | 1,4 Diisopropyl cyclohexane | Prediction | -0.479 | -1.009 | -0.530 | -1.262 | 0.032 | 170.097 | 11.890 | 0 | 0 | 0.000 | 0.844 | 0.361 |

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|------------|---|------------|--------|--------|--------|--------|-------|---------|--------|---|---|--------|-------|-------|
| 23342-25-8 | 2,2,5,7-Tetramethyltetraline | Prediction | -1.301 | -0.796 | 0.505 | 1.220 | 0.060 | 159.824 | 11.890 | 0 | 4 | 0.041 | 1.207 | 0.535 |
| 243-17-4 | Benzo(b)fluorene | Training | -1.602 | -1.197 | 0.405 | 0.963 | 0.028 | 153.527 | 11.900 | 1 | 6 | 0.066 | 0.978 | 0.445 |
| 2435-85-0 | Hexadecahydropyrrene | Training | 0.009 | -0.295 | -0.304 | -0.738 | 0.071 | 164.555 | 11.900 | 0 | 0 | 0.108 | 1.010 | 0.111 |
| 2437-56-1 | 1-Tridecene | Training | -0.963 | -0.972 | -0.009 | -0.022 | 0.030 | 165.756 | 11.890 | 0 | 0 | -0.053 | 0.940 | 0.056 |
| 2541-69-7 | 7-Methylbenz(a)anthracene | Training | -2.097 | -1.364 | 0.733 | 1.750 | 0.038 | 151.919 | 11.890 | 1 | 7 | 0.061 | 1.121 | 0.583 |
| 25569-80-6 | 2,3'-Dichlorobiphenyl | Training | 0.267 | 0.099 | -0.169 | -0.406 | 0.055 | 152.564 | 11.999 | 1 | 2 | 0.035 | 1.340 | 0.333 |
| 26186-00-5 | 1-Heptadecyne | Training | -0.086 | -0.863 | -0.777 | -1.847 | 0.029 | 164.854 | 11.890 | 0 | 0 | -0.039 | 0.948 | 0.056 |
| 2732-58-3 | 6-ethylchrysene | Prediction | -1.495 | -1.200 | 0.295 | 0.705 | 0.041 | 150.325 | 11.890 | 1 | 7 | 0.062 | 1.119 | 0.708 |
| 2974-92-7 | 3,4-Dichlorobiphenyl | Training | 0.477 | 0.362 | -0.115 | -0.277 | 0.061 | 153.530 | 11.999 | 1 | 2 | 0.035 | 0.722 | 0.361 |
| 2980-71-4 | 2-methyl-1-nonene | Prediction | -1.367 | -1.194 | 0.173 | 0.413 | 0.035 | 166.432 | 11.890 | 0 | 1 | -0.069 | 0.916 | 0.111 |
| 3074-71-3 | 2,3-Dimethylheptane | Prediction | -0.792 | -1.397 | -0.605 | -1.454 | 0.050 | 171.973 | 11.890 | 0 | 0 | -0.079 | 0.689 | 0.111 |
| 319-84-6 | (1 alpha,2 alpha,3 beta,4 alpha,5 beta,6 beta)1,2,3,4,5,6-Hexachlorocyclohexane | Training | -1.516 | -0.834 | 0.682 | 1.789 | 0.203 | 176.439 | 11.999 | 0 | 0 | 0.000 | 1.358 | 0.000 |
| 32774-16-6 | 3,3',4,4',5,5'-Hexachlorobiphenyl | Training | 0.496 | 0.434 | -0.061 | -0.146 | 0.036 | 151.311 | 11.999 | 1 | 2 | 0.035 | 1.031 | 0.583 |
| 33025-41-1 | 2,3,4,4'-Tetrachlorobiphenyl | Training | 0.688 | 0.353 | -0.335 | -0.799 | 0.035 | 152.146 | 11.999 | 1 | 2 | 0.035 | 1.015 | 0.500 |
| 3321-50-4 | Cyclohexane, 1,1'-(1,2-EthaneDiyl)Bis- | Training | -1.301 | -0.581 | 0.721 | 1.726 | 0.044 | 167.485 | 11.900 | 0 | 0 | 0.045 | 0.779 | 0.181 |
| 33460-02-5 | 3 Phenyl bicyclohexyl | Training | -1.046 | -1.102 | -0.056 | -0.133 | 0.029 | 165.756 | 11.890 | 0 | 1 | -0.053 | 0.940 | 0.111 |
| 34883-43-7 | 2,4'-Dichlorobiphenyl | Training | 0.574 | 0.180 | -0.394 | -0.942 | 0.041 | 153.025 | 11.999 | 1 | 2 | 0.035 | 1.090 | 0.278 |

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|-------------------|---|------------|--------|--------|--------|--------|-------|---------|--------|---|---|--------|-------|-------|
| 35065-27-1 | 2,2',4,4',5,5'-Hexachlorobiphenyl | Training | 0.614 | 0.661 | 0.047 | 0.114 | 0.058 | 150.336 | 11.999 | 1 | 2 | 0.035 | 0.813 | 0.694 |
| 37680-65-2 | 2,2',5-Trichlorobiphenyl | Training | 0.580 | 0.364 | -0.216 | -0.516 | 0.039 | 151.413 | 11.999 | 1 | 2 | 0.035 | 1.029 | 0.361 |
| 38380-01-7 | 2,2',4,4',5-Pentachlorobiphenyl | Prediction | 0.868 | 0.535 | -0.333 | -0.799 | 0.045 | 150.995 | 11.999 | 1 | 2 | 0.035 | 0.891 | 0.583 |
| 38444-73-4 | 2,2',6-Trichlorobiphenyl | Prediction | 0.568 | 0.205 | -0.363 | -0.876 | 0.058 | 150.908 | 11.999 | 1 | 2 | 0.035 | 1.323 | 0.222 |
| 38444-77-8 | 2,4',6-Trichlorobiphenyl | Training | 0.580 | 0.105 | -0.475 | -1.151 | 0.066 | 151.851 | 11.999 | 1 | 2 | 0.035 | 1.417 | 0.306 |
| 38444-78-9 | 2,2',3-Trichlorobiphenyl | Prediction | 0.477 | 0.207 | -0.270 | -0.650 | 0.051 | 151.401 | 11.999 | 1 | 2 | 0.035 | 1.323 | 0.361 |
| 38444-85-8 | 2,3,4'-Trichlorobiphenyl | Prediction | 0.352 | 0.247 | -0.105 | -0.251 | 0.037 | 152.355 | 11.999 | 1 | 2 | 0.035 | 1.123 | 0.389 |
| 38444-86-9 | 2,3',4'-Trichlorobiphenyl | Prediction | 0.519 | 0.263 | -0.255 | -0.609 | 0.036 | 152.355 | 11.999 | 1 | 2 | 0.035 | 1.123 | 0.444 |
| 3891-98-3 | 2,6,10-Trimethyl dodecane | Training | -0.002 | -0.946 | -0.944 | -2.244 | 0.028 | 167.226 | 11.890 | 0 | 0 | -0.046 | 0.894 | 0.389 |
| 40458-98-8 | 2,7-Diisopropyl naphthalene | Training | -1.438 | -1.594 | -0.156 | -0.372 | 0.031 | 160.496 | 11.890 | 1 | 4 | 0.034 | 0.940 | 0.583 |
| 41411-64-7 | 2,3,3',4,4',5,6-Heptachlorobiphenyl | Training | 0.894 | 0.527 | -0.367 | -0.878 | 0.044 | 149.655 | 11.999 | 1 | 2 | 0.035 | 1.194 | 0.750 |
| 41464-39-5 | 2,2',3,5'-Tetrachlorobiphenyl | Training | 0.789 | 0.407 | -0.382 | -0.912 | 0.037 | 150.743 | 11.999 | 1 | 2 | 0.035 | 1.106 | 0.472 |
| 41464-49-7 | 2,3,3',5'-Tetrachlorobiphenyl | Prediction | 0.238 | 0.241 | 0.003 | 0.007 | 0.052 | 151.224 | 11.999 | 1 | 2 | 0.035 | 1.360 | 0.500 |
| 4175-54-6 | 1,2,3,4-Tetrahydro-1,4-Dimethyl naphthalene (1,4-Dimethyl Tetralin) | Training | -0.801 | -0.831 | -0.029 | -0.070 | 0.031 | 163.515 | 11.890 | 0 | 2 | 0.046 | 1.079 | 0.125 |
| 4292-75-5 | n-hexyl cyclohexane | Training | -1.377 | -0.783 | 0.594 | 1.409 | 0.026 | 167.334 | 11.900 | 0 | 0 | 0.000 | 0.864 | 0.090 |
| 43121-43-3 | Triadimefon | Prediction | -1.921 | -2.023 | -0.102 | -0.266 | 0.188 | 167.398 | 11.890 | 1 | 0 | -0.183 | 0.697 | 0.871 |
| 4316-65-8 | 3,5,5' Trimethyl hexene | Training | -1.201 | -1.019 | 0.181 | 0.439 | 0.065 | 162.847 | 11.890 | 0 | 0 | -0.077 | 1.284 | 0.000 |

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|------------|---------------------------------------|------------|--------|--------|--------|--------|-------|---------|--------|---|---|--------|-------|-------|
| 438-22-2 | 5 α (H)-androstane | Prediction | -0.172 | -0.245 | -0.073 | -0.178 | 0.090 | 165.899 | 11.900 | 0 | 0 | 0.094 | 0.935 | 0.667 |
| 4390-04-9 | 2,2,4,4,6,8,8-heptomethyl nonane | Prediction | 0.004 | -0.340 | -0.344 | -0.910 | 0.216 | 154.865 | 11.890 | 0 | 0 | -0.043 | 1.814 | 0.778 |
| 475-03-6 | 1,1,6 Trimethyl Tetralin | Training | -0.484 | -0.858 | -0.374 | -0.894 | 0.039 | 162.053 | 11.890 | 0 | 3 | 0.043 | 1.163 | 0.319 |
| 488-23-3 | 1,2,3,4 Tetramethyl benzene | Training | -1.292 | -1.774 | -0.481 | -1.189 | 0.100 | 171.512 | 11.890 | 0 | 4 | 0.000 | 0.777 | 0.000 |
| 4920-95-0 | 3,3',4,4' Tetramethyl 1,1'-biphenyl | Training | -2.046 | -2.069 | -0.023 | -0.057 | 0.080 | 164.109 | 11.890 | 1 | 6 | 0.032 | 0.708 | 0.528 |
| 496-10-6 | Bicyclo[4.3.0]nonane | Training | -1.102 | -1.056 | 0.047 | 0.114 | 0.079 | 174.319 | 11.900 | 0 | 0 | 0.068 | 0.694 | 0.000 |
| 50-32-8 | Benzo[a]pyrene | Training | -1.745 | -1.657 | 0.088 | 0.212 | 0.062 | 148.080 | 11.850 | 1 | 8 | 0.067 | 1.151 | 0.375 |
| 50876-32-9 | cis 1,1,3,5 Tetramethyl cyclohexane | Training | -0.265 | -0.801 | -0.536 | -1.310 | 0.082 | 162.838 | 11.900 | 0 | 0 | 0.000 | 1.510 | 0.000 |
| 51655-65-3 | 2-butyl-1-decene | Prediction | -0.975 | -1.037 | -0.063 | -0.149 | 0.029 | 164.953 | 11.890 | 0 | 1 | -0.049 | 0.961 | 0.111 |
| 52663-59-9 | 2,2',3,4-Tetrachlorobiphenyl | Training | 0.218 | 0.328 | 0.111 | 0.264 | 0.038 | 151.192 | 11.999 | 1 | 2 | 0.035 | 1.187 | 0.472 |
| 526-73-8 | 1,3,5-Trimethylbenzene | Training | -1.602 | -1.720 | -0.118 | -0.288 | 0.084 | 172.994 | 11.890 | 0 | 3 | 0.000 | 0.729 | 0.000 |
| 52886-35-8 | 3-methyl-1-hexyl cyclohexane | Training | -1.181 | -0.739 | 0.441 | 1.046 | 0.023 | 166.495 | 11.900 | 0 | 0 | 0.000 | 0.936 | 0.146 |
| 5325-97-3 | 1,2,3,4,5,6,7,8-octahydrophenanthrene | Training | -0.893 | -0.633 | 0.260 | 0.629 | 0.062 | 159.370 | 11.900 | 0 | 4 | 0.076 | 1.132 | 0.125 |
| 53-70-3 | Dibenzo[a,h]anthracene | Training | -2.155 | -1.721 | 0.434 | 1.046 | 0.058 | 150.131 | 11.850 | 1 | 8 | 0.064 | 1.034 | 0.528 |
| 541-02-6 | Decamethylcyclotetrasiloxane | Training | 0.532 | 1.007 | 0.475 | 1.380 | 0.350 | 155.496 | 11.998 | 0 | 0 | -0.178 | 1.027 | 1.944 |
| 556-67-2 | Octamethylcyclotetrasiloxane | Training | 0.602 | 0.374 | -0.228 | -0.584 | 0.160 | 160.019 | 11.998 | 0 | 0 | -0.178 | 0.994 | 0.944 |
| 55702-45-9 | 2,3,6-Trichlorobiphenyl | Training | 0.470 | 0.191 | -0.279 | -0.672 | 0.054 | 151.401 | 11.999 | 1 | 2 | 0.035 | 1.323 | 0.306 |
| 55712-37-3 | 2,3',4-Trichlorobiphenyl | Training | 0.556 | 0.263 | -0.293 | -0.699 | 0.036 | 152.355 | 11.999 | 1 | 2 | 0.035 | 1.123 | 0.444 |
| 5617-41-4 | n-heptyl cyclohexane | Training | -1.699 | -0.766 | 0.933 | 2.214 | 0.026 | 167.033 | 11.900 | 0 | 0 | 0.000 | 0.877 | 0.090 |

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|-------------------|--|------------|--------|--------|--------|--------|-------|---------|--------|---|---|--------|-------|-------|
| 56-49-5 | 3-methylcholanthrene | Training | -1.523 | -1.700 | -0.177 | -0.433 | 0.086 | 152.912 | 11.890 | 1 | 9 | 0.074 | 1.141 | 0.601 |
| 56558-16-8 | 2,2',4,6,6'-Pentachlorobiphenyl | Training | 0.393 | 0.500 | 0.107 | 0.257 | 0.043 | 149.548 | 11.999 | 1 | 2 | 0.035 | 1.048 | 0.361 |
| 5707-44-8 | 4-ethyl-1,1'-biphenyl | Prediction | -1.745 | -1.390 | 0.354 | 0.843 | 0.029 | 158.741 | 11.890 | 1 | 3 | 0.034 | 0.947 | 0.313 |
| 57465-28-8 | 3,3',4,4',5'-Pentachlorobiphenyl | Prediction | 0.581 | 0.457 | -0.124 | -0.297 | 0.042 | 151.981 | 11.999 | 1 | 2 | 0.035 | 0.891 | 0.583 |
| 581-40-8 | 2,3-Dimethylnaphthalene | Training | -1.921 | -1.894 | 0.027 | 0.066 | 0.054 | 163.525 | 11.890 | 1 | 4 | 0.040 | 0.861 | 0.167 |
| 608-93-5 | Pentachlorobenzene | Prediction | -0.387 | -0.272 | 0.115 | 0.286 | 0.107 | 170.886 | 11.999 | 0 | 0 | 0.000 | 1.128 | 0.000 |
| 6117-97-1 | 4-methyl dodecane | Training | -1.114 | -1.019 | 0.095 | 0.225 | 0.029 | 166.090 | 11.890 | 0 | 0 | -0.054 | 1.001 | 0.111 |
| 62338-09-4 | 2,2,3-Trimethyl decane | Training | -1.181 | -1.200 | -0.019 | -0.046 | 0.036 | 170.617 | 11.890 | 0 | 0 | -0.054 | 0.732 | 0.222 |
| 629-50-5 | n-Tridecane | Training | -0.569 | -1.027 | -0.458 | -1.090 | 0.030 | 166.327 | 11.890 | 0 | 0 | -0.054 | 0.951 | 0.056 |
| 629-59-4 | n-Tetradecane | Training | 0.029 | -1.002 | -1.032 | -2.453 | 0.029 | 166.145 | 11.890 | 0 | 0 | -0.050 | 0.956 | 0.056 |
| 629-73-2 | 1-Hexadecene | Training | 0.183 | -0.920 | -1.103 | -2.621 | 0.029 | 165.408 | 11.890 | 0 | 0 | -0.043 | 0.953 | 0.056 |
| 66246-88-6 | 1H-1,2,4-Triazole, 1-[2-(2,4-Dichlorophenyl)pentyl]- | Training | -2.000 | -1.794 | 0.206 | 0.512 | 0.109 | 162.141 | 11.890 | 1 | 1 | -0.124 | 0.951 | 0.569 |
| 68194-04-7 | 2,2',4,6'-Tetrachlorobiphenyl | Training | -0.854 | 0.326 | 1.180 | 2.825 | 0.043 | 150.699 | 11.999 | 1 | 2 | 0.035 | 1.187 | 0.333 |
| 68194-05-8 | 2,2',3,4',6'-Pentachlorobiphenyl | Training | 0.303 | 0.502 | 0.198 | 0.474 | 0.039 | 150.041 | 11.999 | 1 | 2 | 0.035 | 1.048 | 0.500 |
| 68194-15-0 | 2,2',3,4,5,6'-Hexachlorobiphenyl | Prediction | -0.523 | 0.565 | 1.088 | 2.608 | 0.045 | 149.371 | 11.999 | 1 | 2 | 0.035 | 1.180 | 0.778 |
| 68194-16-1 | 2,2',3,3',4,5,6-Heptachlorobiphenyl | Training | 0.009 | 0.647 | 0.638 | 1.531 | 0.047 | 148.712 | 11.999 | 1 | 2 | 0.035 | 1.125 | 0.778 |

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|-------------------|---|------------|--------|--------|--------|--------|-------|---------|--------|---|---|------------|-------|-------|
| 6975-98-0 | 2-methyl decane | Training | -1.444 | -1.076 | 0.368 | 0.875 | 0.031 | 166.826 | 11.890 | 0 | 0 | - 0.064 | 0.939 | 0.111 |
| 702-79-4 | 1,3-Dimethyladamantane | Training | -1.174 | -0.491 | 0.683 | 1.674 | 0.087 | 163.721 | 11.900 | 0 | 0 | 0.098 | 1.378 | 0.000 |
| 70356-09-1 | 1-(4-tert-butylphenyl)-3-(4-methoxyphenyl)propane-1,3-Dione | Training | -0.914 | -1.508 | -0.593 | -1.439 | 0.067 | 161.118 | 11.890 | 1 | 3 | - 0.022 | 0.889 | 1.056 |
| 7045-71-8 | 2-methyl undecane | Training | -1.292 | -1.040 | 0.252 | 0.600 | 0.030 | 166.549 | 11.890 | 0 | 0 | - 0.059 | 0.946 | 0.111 |
| 7116-96-3 | 4-pentyl-1,1'-Biphenyl | Prediction | -1.174 | -1.379 | -0.205 | -0.487 | 0.029 | 158.588 | 11.890 | 1 | 3 | 0.031 | 0.942 | 0.340 |
| 71608-00-9 | 1-octylpyrene | Prediction | -1.108 | -1.643 | -0.535 | -1.283 | 0.044 | 155.729 | 11.890 | 1 | 7 | 0.061 | 1.026 | 0.486 |
| 717-74-8 | Benzene, 1,3,5-Tris(1-methylethyl)- | Training | -0.398 | -0.492 | -0.094 | -0.233 | 0.097 | 159.698 | 11.890 | 0 | 3 | 0.000 | 0.969 | 1.042 |
| 72-43-5 | Methoxy chlor | Training | -0.969 | -0.703 | 0.266 | 0.668 | 0.126 | 158.028 | 11.996 | 1 | 2 | - 0.092 | 1.415 | 0.653 |
| 73575-52-7 | 2,3',4,5'-Tetrachlorobiphenyl | Training | 0.218 | 0.330 | 0.112 | 0.268 | 0.038 | 151.685 | 11.999 | 1 | 2 | 0.035 | 1.187 | 0.611 |
| 74472-36-9 | 2,3,3',5,6-Pentachlorobiphenyl | Training | 0.477 | 0.423 | -0.054 | -0.130 | 0.040 | 150.072 | 11.999 | 1 | 2 | 0.035 | 1.205 | 0.528 |
| 74472-38-1 | 2,3,4,4',6-Pentachlorobiphenyl | Training | 0.857 | 0.396 | -0.461 | -1.100 | 0.036 | 150.983 | 11.999 | 1 | 2 | 0.035 | 1.122 | 0.528 |
| 74472-48-3 | 2,2',3,4,4',6,6'-Heptachlorobiphenyl | Training | 0.928 | 0.703 | -0.225 | -0.541 | 0.049 | 148.681 | 11.999 | 1 | 2 | 0.035 | 0.980 | 0.694 |
| 74487-85-7 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl | Training | 0.884 | 0.807 | -0.076 | -0.184 | 0.061 | 148.231 | 11.999 | 1 | 2 | 0.035 | 0.912 | 0.806 |
| 781-17-9 | 4,5,9,10-Tetrahydropyrene | Training | -1.553 | -1.486 | 0.067 | 0.162 | 0.050 | 154.874 | 11.900 | 1 | 6 | 0.080 | 1.214 | 0.111 |
| 81-15-2 | Musk-xylene | Training | -0.210 | -0.392 | -0.182 | -0.600 | 0.495 | 169.015 | 11.890 | 0 | 3 | 0.278 | 1.353 | 1.618 |
| 821-95-4 | 1-undecene | Prediction | -1.409 | -1.026 | 0.383 | 0.912 | 0.033 | 166.145 | 11.890 | 0 | 0 | - 0.063 | 0.926 | 0.056 |

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|-------------------|---------------------------------------|----------|--------|--------|--------|--------|-------|---------|--------|---|---|--------|-------|-------|
| 832-69-9 | 1-Methylphenanthrene | Training | -1.721 | -1.408 | 0.314 | 0.744 | 0.026 | 154.746 | 11.890 | 1 | 5 | 0.055 | 1.138 | 0.299 |
| 84-15-1 | o-Terphenyl | Training | -0.499 | -1.087 | -0.588 | -1.429 | 0.072 | 148.112 | 11.850 | 1 | 4 | 0.046 | 1.027 | 0.333 |
| 85-01-8 | Phenanthrene | Training | -1.122 | -1.616 | -0.494 | -1.188 | 0.053 | 153.631 | 11.850 | 1 | 4 | 0.055 | 1.139 | 0.125 |
| 872-05-9 | 1-decene | Training | -0.991 | -1.064 | -0.072 | -0.173 | 0.034 | 166.432 | 11.890 | 0 | 0 | -0.069 | 0.916 | 0.056 |
| 88671-89-0 | Myclobutanil | Training | -2.097 | -1.536 | 0.561 | 1.390 | 0.105 | 162.237 | 11.890 | 1 | 1 | -0.107 | 0.619 | 0.684 |
| 91-17-8 | t-decalin | Training | -0.068 | -0.897 | -0.830 | -2.004 | 0.060 | 171.594 | 11.900 | 0 | 0 | 0.062 | 0.764 | 0.000 |
| 91-20-3 | Naphthalene | Training | -2.301 | -2.034 | 0.267 | 0.656 | 0.090 | 162.291 | 11.850 | 1 | 2 | 0.042 | 1.043 | 0.000 |
| 91-57-6 | 2-Methylnaphthalene | Training | -2.000 | -1.588 | 0.412 | 0.988 | 0.045 | 159.982 | 11.890 | 1 | 3 | 0.041 | 1.047 | 0.083 |
| 92-06-8 | m-terphenyl | Training | -1.347 | -1.266 | 0.081 | 0.196 | 0.057 | 151.381 | 11.850 | 1 | 4 | 0.046 | 0.969 | 0.500 |
| 92-51-3 | Bicyclohexyl | Training | -0.770 | -0.542 | 0.227 | 0.543 | 0.039 | 166.327 | 11.900 | 0 | 0 | 0.052 | 0.897 | 0.139 |
| 933-12-0 | 3,5,5 Trimethyl cyclohexene | Training | -1.137 | -0.943 | 0.194 | 0.463 | 0.036 | 166.852 | 11.900 | 0 | 0 | 0.000 | 1.184 | 0.000 |
| 93-46-9 | N,N'-Di-2-naphthyl-p-phenyleneDiamine | Training | -1.096 | -1.512 | -0.416 | -0.998 | 0.047 | 155.106 | 11.850 | 1 | 4 | 0.074 | 0.966 | 0.361 |
| 94361-06-5 | Cyproconazole | Training | -1.959 | -1.405 | 0.554 | 1.354 | 0.081 | 164.796 | 11.900 | 1 | 1 | -0.037 | 0.639 | 0.771 |
| 98-51-1 | 1-tert butyl-4-methyl benzene | Training | -1.018 | -1.015 | 0.003 | 0.006 | 0.027 | 165.778 | 11.890 | 0 | 2 | 0.000 | 0.945 | 0.354 |

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| 32690-93-0 | 2,4,4',5-Tetrachlorobiphenyl | Clc1ccc(cc1)c1cc(Cl)c(cc1Cl)Cl | 0.903 | 0.506 |
| 3322-93-8 | Tetrabromoethylcyclohexane β | BrCC(C1CCC(C(Cl)Br)Br)Br | -0.318 | 0.239 |
| 33284-50-3 | 2,4-Dichlorobiphenyl | Clc1ccc(c(c1)Cl)c1ccccc1 | 0.703 | 0.170 |
| 33284-52-5 | 3,3',5,5'-Tetrachlorobiphenyl | Clc1cc(cc(c1)Cl)c1cc(Cl)cc(c1)Cl | 0.457 | 0.291 |
| 34123-59-6 | Isoproturon | O=C(N(C)C)Nc1ccc(cc1)C(C)C | -3.211 | -0.719 |
| 34883-39-1 | 2,5-Dichlorobiphenyl | Clc1ccc(c(c1)c1ccccc1)Cl | -0.638 | 0.268 |
| 35065-28-2 | 2,2',3,4,4',5'-Hexachlorobiphenyl | Clc1cc(Cl)c(cc1c1ccc(c(c1Cl)Cl)Cl)Cl | 0.803 | 0.577 |
| 35065-29-3 | 2,2',3,4,4',5,5'-Heptachlorobiphenyl | Clc1cc(Cl)c(cc1c1cc(Cl)c(c(c1Cl)Cl)Cl)Cl | 0.842 | 0.701 |
| 35065-30-6 | 2,2',3,3',4,4',5-Heptachlorobiphenyl | Clc1c(Cl)ccc(c1Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.851 | 0.586 |
| 35693-99-3 | 2,2',5,5'-Tetrachlorobiphenyl | Clc1ccc(cc1c1cc(Cl)ccc1Cl)Cl | 0.481 | 0.549 |
| 35694-06-5 | 2,2',3,4,4',5-Hexachlorobiphenyl | Clc1ccc(c(c1)Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.836 | 0.600 |
| 35694-08-7 | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | Clc1cc(c(c(c1Cl)Cl)Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.958 | 0.669 |
| 35822-46-9 | 1,2,3,4,6,7,8-H7CDD | Clc1c(Cl)cc2c(c1Cl)Oc1c(O2)c(Cl)c(c(c1Cl)Cl)Cl | -0.469 | 0.644 |
| 36559-22-5 | 2,2',3,4'-Tetrachlorobiphenyl | Clc1ccc(c(c1)Cl)c1ccccc1Cl | 0.572 | 0.334 |
| 36734-19-7 | Iprodione | CC(NC(=O)N)CC(=O)N(C1=O)c1cc(Cl)cc(c1)Cl | -2.673 | -0.835 |
| 37680-66-3 | 2,2',4-Trichlorobiphenyl | Clc1ccc(c(c1)Cl)c1ccccc1Cl | 0.204 | 0.250 |
| 37680-73-2 | 2,2',4,5,5'-Pentachlorobiphenyl | Clc1ccc(c(c1)c1cc(Cl)c(cc1Cl)Cl)Cl | 0.783 | 0.631 |
| 38379-99-6 | 2,2',3,5',6-Pentachlorobiphenyl | Clc1ccc(c(c1)c1c(Cl)ccc(c1Cl)Cl)Cl | 0.734 | 0.605 |
| 38380-02-8 | 2,2',3,4,5'-Pentachlorobiphenyl | Clc1ccc(c(c1)c1ccc(c(c1Cl)Cl)Cl)Cl | 0.760 | 0.506 |
| 38380-03-9 | 2,3,3',4',6-Pentachlorobiphenyl | Clc1cc(ccc1Cl)c1c(Cl)ccc(c1Cl)Cl | 0.919 | 0.381 |
| 38380-04-0 | 2,2',3,4',5',6-Hexachlorobiphenyl | Clc1cc(Cl)c(cc1c1c(Cl)ccc(c1Cl)Cl)Cl | 0.792 | 0.674 |
| 38380-05-1 | 2,2',3,3',4,6'-Hexachlorobiphenyl | Clc1ccc(c(c1Cl)Cl)c1c(Cl)ccc(c1Cl)Cl | 0.743 | 0.556 |
| 38380-07-3 | 2,2',3,3',4,4'-Hexachlorobiphenyl | Clc1c(ccc(c1Cl)Cl)c1ccc(c(c1Cl)Cl)Cl | 0.769 | 0.459 |
| 38380-08-4 | 2,3,3',4,4',5-Hexachlorobiphenyl | Clc1ccc(cc1Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.869 | 0.528 |
| 38411-22-2 | 2,2',3,3',6,6'-Hexachlorobiphenyl | Clc1ccc(c(c1c1c(Cl)ccc(c1Cl)Cl)Cl)Cl | 0.678 | 0.771 |
| 38411-25-5 | 2,2',3,3',4,5,6'-Heptachlorobiphenyl | Clc1c(Cl)cc(c(c1Cl)Cl)c1c(Cl)ccc(c1Cl)Cl | 0.830 | 0.705 |
| 38444-76-7 | 2,3',6-Trichlorobiphenyl | Clc1cccc(c1)c1c(Cl)cccc1Cl | -0.046 | 0.062 |
| 38444-81-4 | 2,3',5-Trichlorobiphenyl | Clc1ccc(c(c1)c1ccccc1)Cl | 0.653 | 0.333 |
| 38444-84-7 | 2,3,3'-Trichlorobiphenyl | Clc1cccc(c1)c1ccccc1Cl | -0.222 | 0.173 |
| 38444-93-8 | 2,2',3,3'-Tetrachlorobiphenyl | Clc1c(Cl)cccc1c1ccccc1Cl | 0.514 | 0.274 |
| 39227-61-7 | 1,2,3,4,7-P5CDD | Clc1ccc2c(c1)Oc1c(O2)c(Cl)c(c(c1Cl)Cl)Cl | -1.092 | 0.703 |
| 39635-31-9 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl | Clc1cc(cc(c1Cl)Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.631 | 0.514 |
| 40186-70-7 | 2,2',3,3',4,5',6-Heptachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1c(Cl)cc(c(c1Cl)Cl)Cl)Cl | 0.778 | 0.705 |
| 40186-71-8 | 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | Clc1cc(Cl)c(c(c1Cl)Cl)c1c(Cl)c(Cl)cc(c1Cl)Cl | 0.803 | 0.954 |
| 40186-72-9 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl | Clc1cc(c(c(c1Cl)Cl)Cl)c1c(Cl)c(Cl)c(c(c1Cl)Cl)Cl | 0.531 | 0.804 |
| 41464-41-9 | 2,2',5,6'-Tetrachlorobiphenyl | Clc1ccc(c(c1)c1c(Cl)cccc1Cl)Cl | -0.398 | 0.437 |
| 41464-43-1 | 2,3,3',4'-Tetrachlorobiphenyl | Clc1cc(ccc1Cl)c1ccccc1Cl | 0.667 | 0.309 |
| 41464-46-4 | 2,3',4',6-Tetrachlorobiphenyl | Clc1cc(ccc1Cl)c1c(Cl)cccc1Cl | 0.322 | 0.220 |
| 41464-47-5 | 2,2',3,6'-Tetrachlorobiphenyl | Clc1c(Cl)cccc1c1c(Cl)cccc1Cl | -0.398 | 0.299 |
| 41464-51-1 | 2,2',3',4,5-Pentachlorobiphenyl | Clc1cc(Cl)c(cc1c1ccccc1Cl)Cl | 0.842 | 0.506 |

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| 42740-50-1 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | Clc1cc(Cl)c(c(c1c1cc(Cl)c(c(c1Cl)Cl)Cl)Cl)Cl | 0.833 | 0.741 |
| 483-65-8 | 1-methyl-7-(1-methylethyl)-phenanthrene | CC(c1ccc2c(c1)ccc1c2cccc1C)C | -1.553 | -1.545 |
| 50-29-3 | 4,4'-DDT | ClC(C(c1ccc(cc1)Cl)c1ccc(cc1)Cl)(Cl)Cl | 0.752 | -0.009 |
| 50563-36-5 | Dimethachlor | COCCN(c1c(C)cccc1C)C(=O)CCl | -4.462 | -0.420 |
| 5103-74-2 | 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-Hexahydro-4,7-methano-1H-indene | ClC1CC2C(C1Cl)C1(C(C2(Cl)C(=C1Cl)Cl)(Cl)Cl)Cl | 0.326 | 0.645 |
| 51908-16-8 | 2,2',3,4',5,5'-Hexachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1cc(Cl)c(cc1Cl)Cl)Cl | 0.916 | 0.649 |
| 52663-58-8 | 2,3,4',6-Tetrachlorobiphenyl | Clc1ccc(cc1)c1c(Cl)ccc(c1Cl)Cl | 0.806 | 0.310 |
| 52663-60-2 | 2,2',3,3',6-Pentachlorobiphenyl | Clc1c(Cl)cccc1c1c(Cl)ccc(c1Cl)Cl | 0.505 | 0.480 |
| 52663-61-3 | 2,2',3,5,5'-Pentachlorobiphenyl | Clc1ccc(c(c1)c1cc(Cl)cc(c1Cl)Cl)Cl | 0.744 | 0.579 |
| 52663-62-4 | 2,2',3,3',4-Pentachlorobiphenyl | Clc1ccc(c(c1Cl)Cl)c1cccc(c1Cl)Cl | 0.738 | 0.381 |
| 52663-65-7 | 2,2',3,3',4,6,6'-Heptachlorobiphenyl | Clc1cc(Cl)c(c(c1Cl)Cl)c1c(Cl)ccc(c1Cl)Cl | 0.767 | 0.823 |
| 52663-66-8 | 2,2',3,3',4,5'-Hexachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1ccc(c(c1Cl)Cl)Cl)Cl | 0.431 | 0.530 |
| 52663-68-0 | 2,2',3,4',5,5',6-Heptachlorobiphenyl | Clc1cc(Cl)c(cc1c1c(Cl)c(Cl)cc(c1Cl)Cl)Cl | 0.756 | 0.798 |
| 52663-69-1 | 2,2',3,4,4',5',6-Heptachlorobiphenyl | Clc1cc(Cl)c(cc1c1c(Cl)cc(c(c1Cl)Cl)Cl)Cl | 0.790 | 0.727 |
| 52663-70-4 | 2,2',3,3',4,5',6'-Heptachlorobiphenyl | Clc1ccc(c(c1Cl)Cl)c1c(Cl)c(Cl)cc(c1Cl)Cl | 0.796 | 0.682 |
| 52663-71-5 | 2,2',3,3',4,4',6-Heptachlorobiphenyl | Clc1c(Cl)cc(c(c1Cl)c1ccc(c(c1Cl)Cl)Cl)Cl | 0.848 | 0.611 |
| 52663-72-6 | 2,3',4,4',5,5'-Hexachlorobiphenyl | Clc1cc(Cl)c(cc1c1cc(Cl)c(c(c1)Cl)Cl)Cl | 0.732 | 0.552 |
| 52663-74-8 | 2,2',3,3',4,5,5'-Heptachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1cc(Cl)c(c(c1Cl)Cl)Cl)Cl | 0.854 | 0.633 |
| 52663-75-9 | 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | Clc1c(Cl)cc(c(c1Cl)Cl)c1c(Cl)c(Cl)cc(c1Cl)Cl | 0.820 | 0.789 |
| 52663-77-1 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | Clc1c(Cl)c(Cl)c(c(c1Cl)Cl)c1c(Cl)c(Cl)cc(c1Cl)Cl | 0.728 | 1.048 |
| 52663-78-2 | 2,2',3,3',4,4',5,6-Octachlorobiphenyl | Clc1ccc(c(c1Cl)Cl)c1c(Cl)c(Cl)c(c(c1Cl)Cl)Cl | 0.641 | 0.717 |
| 52663-79-3 | 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | Clc1c(Cl)cc(c(c1Cl)c1c(Cl)c(Cl)c(c(c1Cl)Cl)Cl)Cl | 0.799 | 0.975 |
| 52712-04-6 | 2,2',3,4,5,5'-Hexachlorobiphenyl | Clc1ccc(c(c1)c1cc(Cl)c(c(c1Cl)Cl)Cl)Cl | 0.839 | 0.649 |
| 52712-05-7 | 2,2',3,4,5,5',6-Heptachlorobiphenyl | Clc1ccc(c(c1)c1c(Cl)c(Cl)c(c(c1Cl)Cl)Cl)Cl | 0.845 | 0.798 |
| 52744-13-5 | 2,2',3,3',5,6'-Hexachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1c(Cl)ccc(c1Cl)Cl)Cl | 0.724 | 0.651 |
| 53-19-0 | o,p'-DDD | ClC(C(c1cccc1Cl)c1ccc(cc1)Cl)Cl | 0.380 | 0.056 |
| 541-01-5 | Hexadecamethylheptasiloxane | C[Si](O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)(O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)C | -1.398 | 1.546 |
| 544-76-3 | n-Hexadecane | CCCCCCCCCCCCCCCC | -0.314 | -1.040 |
| 55215-18-4 | 2,2',3,3',4,5-Hexachlorobiphenyl | Clc1cccc(c1Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.839 | 0.530 |
| 556-69-4 | Octadecamethyloctasiloxane | C[Si](O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)(O[Si](O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)C | -0.796 | 1.698 |
| 556-70-7 | Docosamethyldecasiloxane | C[Si](O[Si](O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)(C)C)(O[Si](O[Si](O[Si](O[Si](O[Si](C)(C)C)(C)C)(C)C)(C)C)C | -1.222 | 2.023 |
| 56-55-3 | Benzo[a]anthracene | c1ccc2c(c1)cc1c(c2)ccc2c1cccc2 | -2.301 | -1.614 |
| 60145-20-2 | 2,2',3,3',5-Pentachlorobiphenyl | Clc1cc(Cl)c(c(c1)c1cccc(c1Cl)Cl)Cl | 0.761 | 0.454 |
| 60145-23-5 | 2,2',3,4,4',5,6'-Heptachlorobiphenyl | Clc1cc(Cl)c(c(c1)Cl)c1cc(Cl)c(c(c1Cl)Cl)Cl | 0.836 | 0.658 |
| 60233-25-2 | 2,2',3,4',6-Pentachlorobiphenyl | Clc1cc(Cl)c(c(c1)Cl)c1cccc(c1Cl)Cl | 0.230 | 0.406 |
| 67129-08-2 | Metazachlor | ClCC(=O)N(c1c(C)cccc1C)Cn1cccn1 | -4.493 | -0.884 |

| | | | | |
|-------------------|---|---|--------|--------|
| 68194-14-9 | 2,2',3,4,5',6-Hexachlorobiphenyl | <chem>Clc1ccc(c(c1)c1c(Cl)cc(c(c1Cl)Cl)Cl)Cl</chem> | 0.799 | 0.674 |
| 7012-37-5 | 2,4,4'-Trichlorobiphenyl | <chem>Clc1ccc(cc1)c1ccc(cc1Cl)Cl</chem> | 0.290 | 0.322 |
| 70362-45-7 | 2,2',3,6-Tetrachlorobiphenyl | <chem>Clc1ccccl1c1c(Cl)ccc(c1Cl)Cl</chem> | 0.568 | 0.414 |
| 70362-46-8 | 2,2',3,5-Tetrachlorobiphenyl | <chem>Clc1cc(Cl)c(c(c1)c1ccccl1Cl)Cl</chem> | 0.829 | 0.435 |
| 70424-68-9 | 2,3,3',4',5-Pentachlorobiphenyl | <chem>Clc1cc(Cl)c(c(c1)c1ccc(c(c1)Cl)Cl)Cl</chem> | 1.033 | 0.457 |
| 70424-70-3 | 2,3',4',5,5'-Pentachlorobiphenyl | <chem>Clc1ccc(c(c1)c1cc(Cl)c(c(c1)Cl)Cl)Cl</chem> | 0.380 | 0.480 |
| 71888-89-6 | Diisooheptyl phthalate | <chem>CC(CCCCOC(=O)c1ccccl1C(=O)OCCCC(C)C)C</chem> | -2.509 | -1.121 |
| 72-54-8 | p,p'-DDD | <chem>ClC(C(c1ccc(cc1)Cl)c1ccc(cc1)Cl)Cl</chem> | 0.602 | 0.023 |
| 74472-33-6 | 2,3,3',6-Tetrachlorobiphenyl | <chem>Clc1ccc(c1)c1c(Cl)ccc(c1Cl)Cl</chem> | 0.720 | 0.274 |
| 74472-34-7 | 2,3,4',5-Tetrachlorobiphenyl | <chem>Clc1ccc(cc1)c1cc(Cl)cc(c1Cl)Cl</chem> | 0.857 | 0.446 |
| 74472-37-0 | 2,3,4,4',5-Pentachlorobiphenyl | <chem>Clc1ccc(cc1)c1cc(Cl)c(c(c1Cl)Cl)Cl</chem> | 0.829 | 0.531 |
| 74472-42-7 | 2,3,3',4,4',6-Hexachlorobiphenyl | <chem>Clc1ccc(cc1Cl)c1c(Cl)cc(c(c1Cl)Cl)Cl</chem> | 0.826 | 0.459 |
| 74472-44-9 | 2,3,3',4',5,6-Hexachlorobiphenyl | <chem>Clc1cc(ccc1Cl)c1c(Cl)c(Cl)cc(c1Cl)Cl</chem> | 0.929 | 0.507 |
| 74472-53-0 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl | <chem>Clc1c(Cl)cc(cc1Cl)c1c(Cl)c(Cl)c(c(c1Cl)Cl)Cl</chem> | 0.806 | 0.552 |
| 779-02-2 | 9-Methylanthracene | <chem>Cc1c2cccc2cc2c1cccc2</chem> | -2.398 | -1.425 |
| 789-02-6 | 1-Chloro-2-(2,2,2-Trichloro-1-(4-chlorophenyl)ethyl)benzene (o,p'-DDT) | <chem>Clc1ccc(cc1)C(C(Cl)(Cl)Cl)c1ccccl1Cl</chem> | 0.839 | 0.114 |
| 79277-27-3 | Thifensulfuron-methyl | <chem>COc1nc(nc(n1)C)NC(=O)NS(=O)(=O)c1ccsc1C(=O)OC</chem> | -4.297 | -1.816 |
| 81777-89-1 | Clomazone | <chem>O=C1N(OCC1(C)C)Cc1ccccl1Cl</chem> | -3.699 | 0.543 |
| 83164-33-4 | Diflufenican | <chem>Fc1ccc(c(c1)F)NC(=O)c1ccnc1Oc1ccc(c1)C(F)(F)F</chem> | -2.991 | -0.847 |
| 84632-59-7 | 3,6-Bis-(4-tert-butyl-phenyl)-2,5-dihydro-pyrrolo[3,4-c]pyrrole-1,4-dione | <chem>CC(c1ccc(cc1)c1[nH]c(=O)c2c1c(=O)[nH]c2c1ccc(cc1)C(C)(C)C)(C)C</chem> | -1.413 | -1.228 |

Table S3 – Dataset 3: Consistent dataset based on high quality data (Dataset 1) and verified low quality data from Dataset 2. Chemicals are reported with CAS numbers, names, splitting category (Training or Prediction set), experimental and predicted Log BMFL, standardized residuals, HAT values and values of the molecular descriptors included in the model.

| CAS | Chemical Name | Split. Eq. 3 | Exp BMFL | Pred BMFL | Pred.Mod. Eq.Res. | Std.Pred. Mod.Eq. Res. | HAT i/i (h*=0.12) | PubchemFP503 | SubFP C295 | R_TpiP CTPC | MLFER_S | maxHo ther | GGI5 | VE3_Dt |
|-------------|---|--------------|----------|-----------|-------------------|------------------------|-------------------|--------------|------------|-------------|---------|------------|-------|---------|
| 4390-04-9 | 2,2,4,4,6,8,8-heptamethyl nonane | Training | 0.004 | -0.513 | -0.518 | -1.247 | 0.093 | 0 | 0 | 1.000 | -0.149 | 0 | 0.778 | -4.765 |
| 1024-57-3 | 2,3,4,5,6,7,7-Heptachloro-1a,1b,5,5a,6,6a,-Hexahydro-(2a alpha, 1b beta, 2 alpha, 5 alpha, 5a beta, 6 beta, 6a alpha)-2,5-methano-2H-indeno[1,2-b]oxirene | Training | 0.415 | -0.352 | -0.767 | -1.851 | 0.095 | 0 | 2 | 1.387 | 1.581 | 0 | 0.789 | -7.426 |
| 10394-57-7 | 9-n butylphenanthrene | Training | -1.854 | -1.512 | 0.342 | 0.795 | 0.024 | 0 | 0 | 15.938 | 1.237 | 0.43540529 | 0.389 | -3.214 |
| 104-72-3 | Decyl benzene | Prediction | -0.745 | -1.246 | -0.501 | -1.180 | 0.049 | 0 | 0 | 2.553 | 0.553 | 0.41190382 | 0.090 | -2.872 |
| 107534-96-3 | Tebuconazole | Training | -1.921 | -1.648 | 0.273 | 0.668 | 0.119 | 1 | 6 | 3.259 | 1.415 | 0.68678148 | 0.893 | -3.078 |
| 111-84-2 | n-nonane | Training | -0.893 | -0.734 | 0.159 | 0.371 | 0.034 | 0 | 0 | 1.000 | 0.127 | 0 | 0.056 | -30.905 |
| 112281-77-3 | Tetraconazole | Prediction | -2.046 | -2.215 | -0.169 | -0.425 | 0.169 | 1 | 7 | 3.957 | 1.406 | 0.75234702 | 0.847 | -2.903 |
| 112-40-3 | n-dodecane | Prediction | -0.878 | -0.850 | 0.028 | 0.065 | 0.044 | 0 | 0 | 1.000 | 0.127 | 0 | 0.056 | 0.000 |
| 112-41-4 | 1-dodecene | Training | -0.941 | -1.352 | -0.410 | -0.965 | 0.047 | 0 | 0 | 1.130 | 0.167 | 0.37125584 | 0.056 | 0.000 |
| 117-81-7 | Di-2-Ethylhexyl phthalate | Prediction | -1.125 | -2.541 | -1.416 | -3.463 | 0.119 | 0 | 6 | 3.007 | 1.313 | 0.55822961 | 0.917 | -99.355 |

| | | | | | | | | | | | | | | |
|--------------------|--|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|----------|
| 118-74-1 | Hexachlorobenzene | Training | 0.306 | -0.461 | -0.767 | -1.810 | 0.054 | 0 | 0 | 3.571 | 0.889 | 0 | 0.000 | -41.666 |
| 118-82-1 | Binox M | Prediction | 0.155 | 0.201 | 0.046 | 0.145 | 0.471 | 0 | 2 | 5.877 | 1.163 | 0.3416 8828 | 2.542 | -110.478 |
| 120068-37-3 | Fipronil | Training | -1.699 | -0.896 | 0.803 | 1.979 | 0.133 | 1 | 7 | 11.297 | 3.629 | 0.7221 0054 | 1.567 | -5.977 |
| 120-12-7 | Anthracene | Training | -1.875 | -1.871 | 0.004 | 0.009 | 0.036 | 0 | 0 | 18.797 | 1.261 | 0.45 | 0.111 | -3.781 |
| 123-48-8 | 2,2,4,4,6,6-pentamethyl-3-heptene | Training | -1.284 | -0.746 | 0.538 | 1.263 | 0.043 | 0 | 0 | 1.449 | 0.045 | 0.2029 8611 | 0.500 | -44.916 |
| 125116-23-6 | Metconazole | Training | -1.721 | -1.571 | 0.151 | 0.365 | 0.103 | 1 | 6 | 2.956 | 1.526 | 0.6816 7944 | 0.858 | -6.290 |
| 126690-66-2 | 2,4,6-Trimethyl-3-heptene | Prediction | -1.041 | -0.971 | 0.070 | 0.162 | 0.027 | 0 | 0 | 1.436 | 0.125 | 0.2407 6389 | 0.222 | -35.127 |
| 129-00-0 | Pyrene | Training | -2.301 | -1.862 | 0.439 | 1.046 | 0.071 | 0 | 0 | 24.028 | 1.503 | 0.45 | 0.111 | -54.942 |
| 13029-08-8 | 2,2'-Dichlorophenyl | Training | 0.663 | 0.208 | -0.455 | -1.064 | 0.035 | 1 | 0 | 11.992 | 1.285 | 0.4313 8203 | 0.194 | -48.012 |
| 13150-81-7 | 2,6-Dimethyldecane | Prediction | -1.319 | -0.762 | 0.557 | 1.306 | 0.042 | 0 | 0 | 1.000 | 0.049 | 0 | 0.222 | -6.058 |
| 13151-34-3 | 3-methyldecane | Prediction | -1.699 | -0.825 | 0.874 | 2.049 | 0.042 | 0 | 0 | 1.000 | 0.088 | 0 | 0.111 | -2.673 |
| 13475-82-6 | 2,2,4,6,6-pentamethylheptane | Training | -0.728 | -0.509 | 0.219 | 0.516 | 0.052 | 0 | 0 | 1.000 | -0.07 | 0 | 0.500 | -42.581 |
| 14233-37-5 | 9,10-Anthracenedione, 1,4-bis[(1-methylethyl)amino]- | Training | -0.500 | -1.994 | -1.493 | -3.633 | 0.110 | 0 | 6 | 6.900 | 2.239 | 0.5415 5286 | 1.389 | -82.012 |
| 15254-25-8 | 2,3,6,7-Tetramethylanthracene | Training | -1.757 | -1.401 | 0.356 | 0.836 | 0.046 | 0 | 0 | 18.211 | 1.165 | 0.4161 1111 | 0.444 | -63.229 |
| 15299-99-7 | Napropamide | Training | -2.852 | -3.083 | -0.231 | -0.554 | 0.089 | 0 | 6 | 7.742 | 1.935 | 0.5244 1397 | 0.486 | -1.468 |
| 15968-05-5 | 2,2',6,6'-Tetrachlorobiphenyl | Training | 0.623 | 0.441 | -0.183 | -0.427 | 0.036 | 1 | 0 | 11.576 | 1.475 | 0.4044 5169 | 0.250 | -55.555 |

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|-------------------|---|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|----------|
| 1610-22-6 | 1,2,3,4,4a,7,8, 9,10,11,12,12a - dodecahydroc hrysene | Training | -0.770 | -0.569 | 0.200 | 0.472 | 0.049 | 0 | 0 | 3.137 | 0.853 | 0.3094 1185 | 0.361 | -62.901 |
| 16435-49-7 | 2-methyl-1- dodecene | Training | -1.200 | -1.275 | -0.075 | -0.176 | 0.041 | 0 | 0 | 1.124 | 0.143 | 0.3434 7806 | 0.111 | -3.938 |
| 16606-02-3 | 2,4',5- Trichlorobiphe nyl | Prediction | 0.525 | 0.254 | -0.271 | -0.628 | 0.014 | 1 | 0 | 12.277 | 1.418 | 0.4142 1382 | 0.389 | -4.806 |
| 1678-98-4 | iso-butyl cyclohexane | Training | -0.652 | -0.763 | -0.111 | -0.261 | 0.040 | 0 | 0 | 1.000 | 0.199 | 0 | 0.118 | -1.567 |
| 16958-92-2 | Diisotridecyl adipate | Training | -1.959 | -2.172 | -0.213 | -0.573 | 0.273 | 0 | 6 | 1.114 | 0.989 | 0 | 0.222 | -129.757 |
| 1705-85-7 | 6- methylchrysen e | Training | -1.398 | -1.600 | -0.202 | -0.475 | 0.046 | 0 | 0 | 22.968 | 1.579 | 0.4460 9375 | 0.618 | -6.362 |
| 1706-50-9 | 1,1':3',1''Tercy clohexane | Training | -0.357 | -0.152 | 0.205 | 0.478 | 0.037 | 0 | 0 | 1.000 | 0.421 | 0 | 0.500 | -64.879 |
| 17088-22-1 | 1-ethylpyrene | Training | -1.699 | -1.750 | -0.051 | -0.120 | 0.045 | 0 | 0 | 22.804 | 1.479 | 0.4430 0733 | 0.458 | -5.362 |
| 17301-23-4 | 2,6-Dimethyl undecane | Training | -1.027 | -0.731 | 0.296 | 0.694 | 0.043 | 0 | 0 | 1.000 | 0.049 | 0 | 0.278 | -4.472 |
| 17312-44-6 | 2,3 Dimethyldeca ne | Prediction | -1.585 | -0.812 | 0.773 | 1.814 | 0.043 | 0 | 0 | 1.000 | 0.049 | 0 | 0.167 | -2.336 |
| 1732-13-4 | 1,2,3,6,7,8 Hexahydropyr ene | Training | -1.252 | -0.986 | 0.266 | 0.625 | 0.043 | 0 | 0 | 8.114 | 1.123 | 0.3640 2778 | 0.111 | -56.051 |
| 1746-01-6 | 2,3,7,8- Tetrachlorodib enzo[b,e][1,4] Dioxin | Training | 0.103 | -0.391 | -0.495 | -1.182 | 0.078 | 1 | 4 | 7.554 | 2.419 | 0.5226 2086 | 0.444 | -63.229 |
| 1795-15-9 | n - Octyl Cyclohexane | Prediction | -1.222 | -0.756 | 0.466 | 1.091 | 0.040 | 0 | 0 | 1.000 | 0.238 | 0 | 0.090 | -2.449 |
| 18094-01-4 | 2 methyl 1- Tridecene | Prediction | -0.921 | -1.270 | -0.350 | -0.819 | 0.041 | 0 | 0 | 1.110 | 0.143 | 0.3419 9877 | 0.111 | -4.357 |
| 1836-75-5 | 2,4-Dichloro- 1-(4- nitrophenoxy) benzene | Training | -0.821 | -0.855 | -0.034 | -0.080 | 0.040 | 1 | 3 | 7.060 | 1.539 | 0.6406 5558 | 0.417 | -4.690 |

| | | | | | | | | | | | | | | |
|--------------------|---|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| 1839-63-0 | 1,3,5-Trimethyl cyclohexane | Training | -0.456 | -0.739 | -0.283 | -0.662 | 0.035 | 0 | 0 | 1.000 | 0.16 | 0 | 0.000 | -34.311 |
| 18516-37-5 | 2-methyl-1-undecene | Training | -1.456 | -1.280 | 0.176 | 0.413 | 0.041 | 0 | 0 | 1.141 | 0.143 | 0.3452 1417 | 0.111 | -3.532 |
| 1889-67-4 | Benzene, 1,1'-(1,1,2,2-tetramethyl-1,2-ethaneDiyl)bis - | Training | -0.777 | -0.654 | 0.123 | 0.293 | 0.069 | 0 | 0 | 4.834 | 0.821 | 0.4089 6259 | 0.625 | -63.275 |
| 191-24-2 | Benzo(ghi)perylene | Prediction | -1.495 | -1.362 | 0.133 | 0.323 | 0.110 | 0 | 0 | 29.450 | 2.087 | 0.45 | 0.736 | -79.929 |
| 193-39-5 | Indeno 1,2,3-cd pyrene | Prediction | -1.538 | -1.560 | -0.022 | -0.053 | 0.083 | 0 | 0 | 29.487 | 2.087 | 0.45 | 0.820 | -13.214 |
| 194-69-4 | Benzo(c)chrysenene | Training | -1.301 | -1.655 | -0.354 | -0.839 | 0.059 | 0 | 0 | 26.325 | 1.945 | 0.45 | 0.542 | -6.220 |
| 19780-74-6 | 5-ethyl-1-nonene | Prediction | -0.461 | -1.149 | -0.688 | -1.618 | 0.048 | 0 | 0 | 1.152 | 0.128 | 0.3655 1158 | 0.167 | -38.756 |
| 20279-21-4 | 1,2,3,10b-Tetrahydrofluoranthene | Training | -1.638 | -1.187 | 0.451 | 1.055 | 0.038 | 0 | 0 | 9.009 | 1.208 | 0.4228 5147 | 0.219 | -7.015 |
| 204256-07-5 | 2,3 Dimethyl-5(4methylpentyl) naphthalene | Training | -1.367 | -1.194 | 0.172 | 0.402 | 0.030 | 0 | 0 | 8.907 | 0.808 | 0.4009 2998 | 0.514 | -3.379 |
| 2050-68-2 | 4,4'-Dichlorobiphenyl | Training | 0.519 | 0.283 | -0.235 | -0.549 | 0.033 | 1 | 0 | 12.813 | 1.285 | 0.4272 2584 | 0.361 | -50.864 |
| 2051-24-3 | Decachlorobiphenyl | Training | 0.319 | 0.392 | 0.073 | 0.177 | 0.107 | 0 | 0 | 11.633 | 1.701 | 0 | 1.139 | -79.929 |
| 2051-30-1 | 2,6-Dimethyloctane | Prediction | -1.854 | -0.770 | 1.084 | 2.542 | 0.043 | 0 | 0 | 1.000 | 0.049 | 0 | 0.222 | -3.756 |
| 205646-11-3 | 1,2,9,10-Tetrachlorodecane | Training | -0.658 | -0.285 | 0.372 | 0.871 | 0.038 | 0 | 0 | 1.000 | 0.677 | 0 | 0.167 | -49.491 |
| 206-44-0 | Fluoranthene | Training | -1.553 | -1.894 | -0.341 | -0.801 | 0.047 | 0 | 0 | 22.751 | 1.503 | 0.45 | 0.219 | -7.015 |
| 207-08-9 | Benzo(k)fluoranthene | Prediction | -1.979 | -1.696 | 0.282 | 0.669 | 0.062 | 0 | 0 | 26.583 | 1.845 | 0.45 | 0.594 | -5.116 |
| 2136-99-4 | 2,2',3,3',5,5',6,6'- | Prediction | 0.668 | 1.217 | 0.550 | 1.296 | 0.052 | 1 | 0 | 11.451 | 1.759 | 0.3348 2506 | 0.917 | -76.246 |

| | | | | | | | | | | | | | | |
|--------------------|----------------------------------|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| | Octachlorobiphenyl | | | | | | | | | | | | | |
| 214-17-5 | Benzo[b]chrysene | Training | -1.745 | -1.679 | 0.066 | 0.156 | 0.060 | 0 | 0 | 26.594 | 1.945 | 0.45 | 0.528 | -6.755 |
| 217-59-4 | Triphenylene | Training | -1.658 | -1.517 | 0.141 | 0.333 | 0.060 | 0 | 0 | 22.798 | 1.603 | 0.45 | 0.375 | -66.126 |
| 218-01-9 | Chrysene | Training | -1.538 | -1.577 | -0.039 | -0.093 | 0.063 | 0 | 0 | 23.536 | 1.603 | 0.45 | 0.361 | -64.477 |
| 2189-60-8 | n-octyl benzene | Prediction | -1.648 | -1.265 | 0.383 | 0.900 | 0.048 | 0 | 0 | 2.788 | 0.553 | 0.4146 5862 | 0.090 | -2.449 |
| 221155-23-3 | 1,2,13,14-Tetrachlorotetradecane | Training | 0.100 | -0.228 | -0.328 | -0.770 | 0.044 | 0 | 0 | 1.000 | 0.677 | 0 | 0.167 | -64.879 |
| 22907-72-8 | 1,4-Diisopropyl cyclohexane | Training | -0.479 | -0.495 | -0.017 | -0.039 | 0.034 | 0 | 0 | 1.000 | 0.121 | 0 | 0.361 | -42.153 |
| 23342-25-8 | 2,2,5,7-Tetramethylteraline | Training | -1.301 | -0.916 | 0.385 | 0.903 | 0.041 | 0 | 0 | 3.528 | 0.552 | 0.3416 7092 | 0.535 | -3.084 |
| 2381-21-7 | 1-Methylpyrene | Training | -2.301 | -1.853 | 0.448 | 1.055 | 0.049 | 0 | 0 | 23.535 | 1.479 | 0.4460 9375 | 0.368 | -6.606 |
| 243-17-4 | Benzo(b)fluorene | Training | -1.602 | -1.404 | 0.198 | 0.460 | 0.027 | 0 | 0 | 16.747 | 1.463 | 0.4448 9796 | 0.445 | -5.006 |
| 2435-85-0 | Hexadecahydronaphthalene | Training | 0.009 | -0.404 | -0.412 | -0.964 | 0.035 | 0 | 0 | 1.000 | 0.493 | 0 | 0.111 | -54.942 |
| 2437-56-1 | 1-Tridecene | Training | -0.963 | -1.177 | -0.214 | -0.505 | 0.050 | 0 | 0 | 1.114 | 0.167 | 0.3697 7655 | 0.056 | -45.803 |
| 2437-79-8 | 2,2',4,4'-Tetrachlorobiphenyl | Training | 0.833 | 0.520 | -0.313 | -0.729 | 0.029 | 1 | 0 | 12.168 | 1.475 | 0.3990 6998 | 0.417 | -55.095 |
| 2541-69-7 | 7-Methylbenz(a)anthracene | Training | -2.097 | -1.626 | 0.471 | 1.107 | 0.045 | 0 | 0 | 23.021 | 1.579 | 0.4460 9375 | 0.583 | -6.404 |
| 25569-80-6 | 2,3'-Dichlorobiphenyl | Training | 0.267 | 0.128 | -0.140 | -0.323 | 0.018 | 1 | 0 | 12.170 | 1.285 | 0.4334 064 | 0.333 | -6.032 |
| 26186-00-5 | 1-Heptadecyne | Training | -0.086 | -0.577 | -0.491 | -1.149 | 0.037 | 0 | 0 | 1.152 | 0.236 | 0 | 0.056 | -59.027 |
| 2732-58-3 | 6-ethylchrysene | Training | -1.495 | -1.496 | -0.001 | -0.003 | 0.046 | 0 | 0 | 22.238 | 1.579 | 0.4430 0733 | 0.708 | -5.357 |
| 27575-78-6 | Tris(4-chlorophenyl)methane | Training | 0.538 | 0.989 | 0.451 | 1.075 | 0.072 | 1 | 0 | 8.126 | 1.765 | 0.3970 7124 | 0.375 | -78.404 |

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|-------------------|---|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| 2974-92-7 | 3,4-Dichlorobiphenyl | Training | 0.477 | 0.080 | -0.397 | -0.920 | 0.019 | 1 | 0 | 12.466 | 1.242 | 0.4423 167 | 0.361 | -3.075 |
| 2980-71-4 | 2-methyl-1-nonene | Training | -1.367 | -1.290 | 0.076 | 0.179 | 0.042 | 0 | 0 | 1.164 | 0.143 | 0.3497 8029 | 0.111 | -2.769 |
| 3010-80-8 | Tris(4-chlorophenyl)methanol | Training | -0.260 | 0.639 | 0.898 | 2.101 | 0.037 | 1 | 1 | 7.844 | 2.047 | 0.4433 4491 | 0.729 | 0.000 |
| 3074-71-3 | 2,3-Dimethylheptane | Prediction | -0.792 | -0.850 | -0.058 | -0.137 | 0.044 | 0 | 0 | 1.000 | 0.049 | 0 | 0.111 | -1.816 |
| 31508-00-6 | 2,3',4,4',5-Pentachlorobiphenyl | Training | 0.776 | 0.500 | -0.276 | -0.637 | 0.011 | 1 | 0 | 12.328 | 1.56 | 0.3976 2022 | 0.611 | -5.396 |
| 319-84-6 | (1 alpha,2 alpha,3 beta,4 alpha,5 beta,6 beta)1,2,3,4,5,6-Hexachlorocyclohexane | Training | -1.516 | -0.252 | 1.264 | 3.011 | 0.072 | 0 | 0 | 1.000 | 0.985 | 0 | 0.000 | -41.666 |
| 32598-10-0 | 2,3',4,4'-Tetrachlorobiphenyl | Training | 0.470 | 0.406 | -0.064 | -0.147 | 0.012 | 1 | 0 | 12.410 | 1.47 | 0.4052 5054 | 0.556 | -7.469 |
| 32598-11-1 | 2,3',4',5-Tetrachlorobiphenyl | Prediction | 0.771 | 0.408 | -0.363 | -0.839 | 0.011 | 1 | 0 | 12.196 | 1.508 | 0.4032 2617 | 0.500 | -7.727 |
| 32598-14-4 | 2,3,3',4,4'-Pentachlorobiphenyl | Training | 0.740 | 0.477 | -0.263 | -0.608 | 0.012 | 1 | 0 | 12.334 | 1.517 | 0.3976 2022 | 0.611 | -5.638 |
| 32690-93-0 | 2,4,4',5-Tetrachlorobiphenyl | Training | 0.903 | 0.356 | -0.547 | -1.264 | 0.012 | 1 | 0 | 12.341 | 1.47 | 0.4086 0787 | 0.500 | -3.883 |
| 32774-16-6 | 3,3',4,4',5,5'-Hexachlorobiphenyl | Training | 0.496 | 0.731 | 0.235 | 0.549 | 0.032 | 1 | 0 | 12.455 | 1.569 | 0.3704 563 | 0.583 | -62.383 |
| 33025-41-1 | 2,3,4,4'-Tetrachlorobiphenyl | Training | 0.688 | 0.332 | -0.357 | -0.824 | 0.013 | 1 | 0 | 12.348 | 1.427 | 0.4086 0787 | 0.500 | -3.993 |
| 3321-50-4 | Cyclohexane, 1,1'-(1,2- | Training | -1.301 | -0.463 | 0.838 | 1.952 | 0.029 | 0 | 0 | 1.000 | 0.349 | 0 | 0.181 | -48.355 |

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| | EthaneDiyl)Bi s- | | | | | | | | | | | | | |
| 3322-93-8 | Tetrabromoeth ylcyclohexane β | Training | -0.318 | -0.146 | 0.172 | 0.410 | 0.071 | 0 | 0 | 1.000 | 1.065 | 0 | 0.319 | -2.222 |
| 33284-50-3 | 2,4- Dichlorobipe nyl | Prediction | 0.703 | 0.041 | -0.663 | -1.537 | 0.021 | 1 | 0 | 12.304 | 1.247 | 0.4410 028 | 0.278 | -3.177 |
| 33284-52-5 | 3,3',5,5'- Tetrachlorobip henyl | Prediction | 0.457 | 0.496 | 0.039 | 0.090 | 0.031 | 1 | 0 | 12.125 | 1.475 | 0.3932 3045 | 0.361 | -55.555 |
| 33460-02-5 | 3 Phenyl bicyclohexyl | Training | -1.046 | -1.275 | -0.229 | -0.537 | 0.041 | 0 | 0 | 1.124 | 0.143 | 0.3434 7806 | 0.111 | -3.938 |
| 34883-39-1 | 2,5- Dichlorobipe nyl | Prediction | -0.638 | 0.077 | 0.715 | 1.657 | 0.020 | 1 | 0 | 12.078 | 1.285 | 0.4401 02 | 0.278 | -3.122 |
| 34883-43-7 | 2,4'- Dichlorobipe nyl | Prediction | 0.574 | 0.077 | -0.497 | -1.152 | 0.020 | 1 | 0 | 12.335 | 1.285 | 0.4347 2029 | 0.278 | -5.408 |
| 35065-27-1 | 2,2',4,4',5,5'- Hexachlorobip henyl | Training | 0.614 | 0.899 | 0.285 | 0.665 | 0.034 | 1 | 0 | 12.085 | 1.655 | 0.3609 184 | 0.694 | -65.396 |
| 35065-28-2 | 2,2',3,4,4',5'- Hexachlorobip henyl | Training | 0.803 | 0.638 | -0.165 | -0.382 | 0.012 | 1 | 0 | 12.091 | 1.612 | 0.3804 5201 | 0.694 | -9.494 |
| 35065-29-3 | 2,2',3,4,4',5,5'- Heptachlorobi phenyl | Training | 0.842 | 0.767 | -0.075 | -0.173 | 0.016 | 1 | 0 | 12.031 | 1.664 | 0.3532 8809 | 0.806 | -5.902 |
| 35065-30-6 | 2,2',3,3',4,4',5- Heptachlorobi phenyl | Training | 0.851 | 0.715 | -0.136 | -0.315 | 0.016 | 1 | 0 | 12.036 | 1.621 | 0.3728 217 | 0.806 | -5.703 |
| 35693-99-3 | 2,2',5,5'- Tetrachlorobip henyl | Training | 0.481 | 0.640 | 0.158 | 0.369 | 0.030 | 1 | 0 | 11.865 | 1.551 | 0.3924 1253 | 0.472 | -58.779 |
| 35694-06-5 | 2,2',3,4,4',5- Hexachlorobip henyl | Training | 0.836 | 0.629 | -0.206 | -0.477 | 0.014 | 1 | 0 | 12.037 | 1.574 | 0.3853 5682 | 0.750 | -4.217 |
| 35694-08-7 | 2,2',3,3',4,4',5, 5'- Octachlorobip henyl | Training | 0.958 | 1.076 | 0.118 | 0.277 | 0.045 | 1 | 0 | 11.997 | 1.673 | 0.3423 0043 | 0.861 | -72.663 |

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|------------|-----------------------------------|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| 35822-46-9 | 1,2,3,4,6,7,8-H7CDD | Training | -0.469 | -0.352 | 0.117 | 0.274 | 0.041 | 1 | 4 | 7.351 | 2.332 | 0.4983 9695 | 0.799 | -12.460 |
| 36559-22-5 | 2,2',3,4'-Tetrachlorobiphenyl | Training | 0.572 | 0.369 | -0.203 | -0.469 | 0.012 | 1 | 0 | 12.064 | 1.47 | 0.4099 2177 | 0.472 | -8.219 |
| 37680-65-2 | 2,2',5-Trichlorobiphenyl | Training | 0.580 | 0.239 | -0.341 | -0.788 | 0.015 | 1 | 0 | 11.910 | 1.418 | 0.4257 7608 | 0.361 | -4.155 |
| 37680-66-3 | 2,2',4-Trichlorobiphenyl | Training | 0.204 | 0.171 | -0.033 | -0.077 | 0.017 | 1 | 0 | 12.058 | 1.38 | 0.4270 8998 | 0.306 | -4.197 |
| 37680-73-2 | 2,2',4,5,5'-Pentachlorobiphenyl | Training | 0.783 | 0.539 | -0.244 | -0.563 | 0.012 | 1 | 0 | 11.961 | 1.603 | 0.3890 2128 | 0.583 | -5.018 |
| 38379-99-6 | 2,2',3,5',6-Pentachlorobiphenyl | Training | 0.734 | 0.542 | -0.192 | -0.443 | 0.012 | 1 | 0 | 11.670 | 1.603 | 0.3868 0658 | 0.556 | -5.258 |
| 38380-01-7 | 2,2',4,4',5-Pentachlorobiphenyl | Training | 0.868 | 0.505 | -0.363 | -0.838 | 0.011 | 1 | 0 | 12.115 | 1.565 | 0.3914 3966 | 0.583 | -5.030 |
| 38380-02-8 | 2,2',3,4,5'-Pentachlorobiphenyl | Prediction | 0.760 | 0.515 | -0.244 | -0.564 | 0.011 | 1 | 0 | 11.968 | 1.56 | 0.3890 2128 | 0.583 | -5.198 |
| 38380-03-9 | 2,3,3',4',6-Pentachlorobiphenyl | Prediction | 0.919 | 0.514 | -0.405 | -0.934 | 0.011 | 1 | 0 | 11.940 | 1.56 | 0.3922 3851 | 0.583 | -5.687 |
| 38380-04-0 | 2,2',3,4',5',6-Hexachlorobiphenyl | Training | 0.792 | 0.669 | -0.123 | -0.285 | 0.012 | 1 | 0 | 11.757 | 1.655 | 0.3737 9456 | 0.667 | -8.553 |
| 38380-05-1 | 2,2',3,3',4,6'-Hexachlorobiphenyl | Prediction | 0.743 | 0.649 | -0.094 | -0.217 | 0.012 | 1 | 0 | 11.763 | 1.612 | 0.3750 703 | 0.667 | -10.083 |
| 38380-07-3 | 2,2',3,3',4,4'-Hexachlorobiphenyl | Training | 0.769 | 0.812 | 0.043 | 0.099 | 0.032 | 1 | 0 | 12.096 | 1.569 | 0.3804 5201 | 0.694 | -62.440 |
| 38380-08-4 | 2,3,3',4,4',5-Hexachlorobiphenyl | Training | 0.869 | 0.555 | -0.314 | -0.726 | 0.012 | 1 | 0 | 12.228 | 1.569 | 0.3899 899 | 0.667 | -4.434 |
| 38411-22-2 | 2,2',3,3',6,6'-Hexachlorobiphenyl | Training | 0.678 | 0.882 | 0.204 | 0.477 | 0.034 | 1 | 0 | 11.520 | 1.655 | 0.3704 563 | 0.639 | -65.119 |

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| 38411-25-5 | 2,2',3,3',4,5,6'- Heptachlorobi phenyl | Training | 0.830 | 0.784 | -0.047 | -0.108 | 0.017 | 1 | 0 | 11.693 | 1.664 | 0.3681 8861 | 0.833 | -5.512 |
| 38444-73-4 | 2,2',6- Trichlorobipe nyl | Training | 0.568 | 0.141 | -0.428 | -0.992 | 0.021 | 1 | 0 | 11.754 | 1.38 | 0.4237 5172 | 0.222 | -4.450 |
| 38444-76-7 | 2,3',6- Trichlorobipe nyl | Prediction | -0.046 | 0.268 | 0.313 | 0.724 | 0.014 | 1 | 0 | 11.928 | 1.38 | 0.4175 7116 | 0.417 | -4.920 |
| 38444-77-8 | 2,4',6- Trichlorobipe nyl | Training | 0.580 | 0.198 | -0.382 | -0.884 | 0.017 | 1 | 0 | 12.022 | 1.38 | 0.4122 7233 | 0.306 | -5.303 |
| 38444-78-9 | 2,2',3- Trichlorobipe nyl | Prediction | 0.477 | 0.215 | -0.262 | -0.605 | 0.015 | 1 | 0 | 11.918 | 1.375 | 0.4257 7608 | 0.361 | -4.326 |
| 38444-81-4 | 2,3',5- Trichlorobipe nyl | Training | 0.653 | 0.257 | -0.396 | -0.916 | 0.014 | 1 | 0 | 12.065 | 1.418 | 0.4203 9438 | 0.389 | -4.529 |
| 38444-84-7 | 2,3,3'- Trichlorobipe nyl | Training | -0.222 | 0.233 | 0.455 | 1.052 | 0.014 | 1 | 0 | 12.073 | 1.375 | 0.4203 9438 | 0.389 | -4.765 |
| 38444-85-8 | 2,3,4'- Trichlorobipe nyl | Training | 0.352 | 0.226 | -0.127 | -0.293 | 0.015 | 1 | 0 | 12.285 | 1.375 | 0.4175 5208 | 0.389 | -5.108 |
| 38444-86-9 | 2,3',4'- Trichlorobipe nyl | Training | 0.519 | 0.246 | -0.273 | -0.630 | 0.014 | 1 | 0 | 12.218 | 1.375 | 0.4291 1435 | 0.444 | -4.005 |
| 38444-93-8 | 2,2',3,3'- Tetrachlorobip henyl | Training | 0.514 | 0.555 | 0.041 | 0.095 | 0.028 | 1 | 0 | 11.880 | 1.465 | 0.4086 0787 | 0.472 | -55.177 |
| 3891-98-3 | 2,6,10- Trimethyl dodecane | Training | -0.002 | -0.672 | -0.670 | -1.576 | 0.047 | 0 | 0 | 1.000 | 0.01 | 0 | 0.389 | -6.604 |
| 39227-61-7 | 1,2,3,4,7- P5CDD | Training | -1.092 | -0.545 | 0.547 | 1.285 | 0.046 | 1 | 4 | 7.391 | 2.309 | 0.5399 0586 | 0.653 | -6.003 |
| 39635-31-9 | 2,3,3',4,4',5,5'- Heptachlorobi phenyl | Prediction | 0.631 | 0.671 | 0.040 | 0.092 | 0.014 | 1 | 0 | 12.203 | 1.621 | 0.3594 6864 | 0.722 | -6.158 |
| 40186-70-7 | 2,2',3,3',4,5',6- Heptachlorobi phenyl | Training | 0.778 | 0.801 | 0.022 | 0.052 | 0.017 | 1 | 0 | 11.765 | 1.669 | 0.3561 113 | 0.833 | -5.977 |

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| 40186-71-8 | 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | Training | 0.803 | 0.948 | 0.145 | 0.338 | 0.021 | 1 | 0 | 11.587 | 1.721 | 0.3357 2586 | 0.917 | -12.645 |
| 40186-72-9 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl | Training | 0.532 | 0.955 | 0.423 | 0.985 | 0.027 | 1 | 0 | 11.797 | 1.687 | 0.3313 1278 | 1.000 | -6.678 |
| 40458-98-8 | 2,7-Diisopropyl naphthalene | Prediction | -1.438 | -1.025 | 0.413 | 0.968 | 0.041 | 0 | 0 | 9.992 | 0.793 | 0.3972 2647 | 0.583 | -54.871 |
| 41411-64-7 | 2,3,3',4,4',5,6-Heptachlorobiphenyl | Training | 0.894 | 0.648 | -0.246 | -0.569 | 0.014 | 1 | 0 | 11.947 | 1.583 | 0.3790 0225 | 0.750 | -3.931 |
| 41464-39-5 | 2,2',3,5'-Tetrachlorobiphenyl | Prediction | 0.789 | 0.403 | -0.386 | -0.891 | 0.012 | 1 | 0 | 11.873 | 1.508 | 0.4086 0787 | 0.472 | -8.059 |
| 41464-41-9 | 2,2',5,6'-Tetrachlorobiphenyl | Training | -0.398 | 0.397 | 0.795 | 1.835 | 0.012 | 1 | 0 | 11.729 | 1.513 | 0.4057 6558 | 0.444 | -7.135 |
| 41464-43-1 | 2,3,3',4'-Tetrachlorobiphenyl | Training | 0.668 | 0.367 | -0.300 | -0.693 | 0.012 | 1 | 0 | 12.203 | 1.465 | 0.4119 4614 | 0.500 | -6.728 |
| 41464-46-4 | 2,3',4',6-Tetrachlorobiphenyl | Prediction | 0.322 | 0.406 | 0.084 | 0.194 | 0.011 | 1 | 0 | 11.972 | 1.47 | 0.4079 8028 | 0.528 | -6.252 |
| 41464-47-5 | 2,2',3,6'-Tetrachlorobiphenyl | Training | -0.398 | 0.376 | 0.774 | 1.787 | 0.012 | 1 | 0 | 11.736 | 1.47 | 0.4065 8351 | 0.444 | -8.388 |
| 41464-49-7 | 2,3,3',5'-Tetrachlorobiphenyl | Training | 0.238 | 0.384 | 0.146 | 0.338 | 0.012 | 1 | 0 | 12.010 | 1.47 | 0.4106 3224 | 0.500 | -6.875 |
| 41464-51-1 | 2,2',3',4,5-Pentachlorobiphenyl | Training | 0.842 | 0.493 | -0.349 | -0.807 | 0.011 | 1 | 0 | 11.968 | 1.56 | 0.4043 1582 | 0.583 | -4.824 |
| 4175-54-6 | 1,2,3,4-Tetrahydro-1,4-Dimethyl naphthalene (1,4-Dimethyl Tetralin) | Training | -0.801 | -1.079 | -0.277 | -0.651 | 0.042 | 0 | 0 | 3.479 | 0.601 | 0.3904 8611 | 0.125 | -41.263 |

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| 42740-50-1 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | Prediction | 0.833 | 0.915 | 0.083 | 0.192 | 0.023 | 1 | 0 | 11.840 | 1.678 | 0.3389 4309 | 0.944 | -10.628 |
| 4292-75-5 | n-hexyl cyclohexane | Prediction | -1.377 | -0.758 | 0.619 | 1.451 | 0.040 | 0 | 0 | 1.000 | 0.238 | 0 | 0.090 | -2.103 |
| 43121-43-3 | Triadimefon | Prediction | -1.921 | -2.403 | -0.482 | -1.218 | 0.174 | 1 | 8 | 4.411 | 1.789 | 0.7449 3308 | 0.871 | -2.373 |
| 4316-65-8 | 3,5,5'-Trimethyl hexene | Training | -1.201 | -1.433 | -0.232 | -0.545 | 0.046 | 0 | 0 | 1.178 | 0.049 | 0.3601 3889 | 0.000 | -2.286 |
| 438-22-2 | 5 α (H)-androstane | Training | -0.172 | -0.271 | -0.099 | -0.232 | 0.047 | 0 | 0 | 1.000 | 0.413 | 0 | 0.667 | -5.322 |
| 475-03-6 | 1,1,6-Trimethyl Tetralin | Training | -0.484 | -1.064 | -0.580 | -1.356 | 0.035 | 0 | 0 | 3.480 | 0.576 | 0.3596 5278 | 0.319 | -3.409 |
| 483-65-8 | 1-methyl-7-(1-methylethyl)-phenanthrene | Training | -1.553 | -1.488 | 0.065 | 0.151 | 0.031 | 0 | 0 | 17.081 | 1.174 | 0.4270 8546 | 0.563 | -3.852 |
| 488-23-3 | 1,2,3,4-Tetramethyl benzene | Prediction | -1.292 | -1.250 | 0.042 | 0.099 | 0.038 | 0 | 0 | 3.537 | 0.481 | 0.3809 7222 | 0.000 | -32.642 |
| 4920-95-0 | 3,3',4,4'-Tetramethyl 1,1'-biphenyl | Training | -2.046 | -1.153 | 0.893 | 2.090 | 0.039 | 0 | 0 | 12.631 | 0.923 | 0.4123 2852 | 0.528 | -59.239 |
| 496-10-6 | Bicyclo[4.3.0]nonane | Prediction | -1.102 | -0.646 | 0.457 | 1.068 | 0.035 | 0 | 0 | 1.000 | 0.349 | 0 | 0.000 | -31.250 |
| 50-29-3 | 4,4'-DDT | Training | 0.752 | 1.045 | 0.293 | 0.689 | 0.047 | 1 | 0 | 5.938 | 1.448 | 0.3675 7154 | 0.528 | -67.420 |
| 50-32-8 | Benzo[a]pyrene | Training | -1.745 | -1.876 | -0.131 | -0.312 | 0.067 | 0 | 0 | 27.149 | 1.845 | 0.45 | 0.375 | -4.691 |
| 50876-32-9 | cis 1,1,3,5-Tetramethyl cyclohexane | Training | -0.265 | -0.881 | -0.616 | -1.446 | 0.045 | 0 | 0 | 1.000 | 0.12 | 0 | 0.000 | -2.468 |
| 5103-74-2 | 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-Hexahydro-4,7-methano-1H-indene | Training | 0.326 | 0.360 | 0.034 | 0.082 | 0.105 | 0 | 0 | 1.401 | 1.442 | 0 | 0.768 | -9.294 |

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| 51655-65-3 | 2-butyl-1-decene | Prediction | -0.975 | -1.237 | -0.262 | -0.612 | 0.037 | 0 | 0 | 1.127 | 0.143 | 0.3147 1085 | 0.111 | -3.544 |
| 51908-16-8 | 2,2',3,4',5,5'-Hexachlorobiphenyl | Training | 0.917 | 0.697 | -0.219 | -0.507 | 0.013 | 1 | 0 | 11.950 | 1.655 | 0.3670 9896 | 0.694 | -11.751 |
| 52663-58-8 | 2,3,4',6-Tetrachlorobiphenyl | Prediction | 0.806 | 0.332 | -0.474 | -1.096 | 0.013 | 1 | 0 | 11.962 | 1.47 | 0.4032 2617 | 0.417 | -3.967 |
| 52663-59-9 | 2,2',3,4-Tetrachlorobiphenyl | Training | 0.218 | 0.319 | 0.101 | 0.234 | 0.012 | 1 | 0 | 11.940 | 1.427 | 0.4214 8403 | 0.472 | -3.564 |
| 52663-60-2 | 2,2',3,3',6-Pentachlorobiphenyl | Prediction | 0.505 | 0.498 | -0.008 | -0.018 | 0.011 | 1 | 0 | 11.676 | 1.56 | 0.4009 7756 | 0.556 | -5.044 |
| 52663-61-3 | 2,2',3,5,5'-Pentachlorobiphenyl | Training | 0.744 | 0.551 | -0.194 | -0.448 | 0.012 | 1 | 0 | 11.793 | 1.603 | 0.3881 2048 | 0.583 | -5.038 |
| 52663-62-4 | 2,2',3,3',4-Pentachlorobiphenyl | Training | 0.738 | 0.469 | -0.269 | -0.621 | 0.011 | 1 | 0 | 11.974 | 1.517 | 0.4043 1582 | 0.583 | -4.983 |
| 52663-65-7 | 2,2',3,3',4,6,6'-Heptachlorobiphenyl | Training | 0.767 | 0.742 | -0.025 | -0.058 | 0.015 | 1 | 0 | 11.580 | 1.669 | 0.3662 4712 | 0.750 | -5.659 |
| 52663-66-8 | 2,2',3,3',4,5'-Hexachlorobiphenyl | Training | 0.431 | 0.651 | 0.220 | 0.507 | 0.012 | 1 | 0 | 11.956 | 1.612 | 0.3784 2764 | 0.694 | -10.120 |
| 52663-68-0 | 2,2',3,4',5,5',6-Heptachlorobiphenyl | Training | 0.756 | 0.799 | 0.043 | 0.099 | 0.016 | 1 | 0 | 11.731 | 1.707 | 0.3479 0638 | 0.778 | -5.960 |
| 52663-69-1 | 2,2',3,4,4',5',6-Heptachlorobiphenyl | Training | 0.790 | 0.768 | -0.022 | -0.052 | 0.016 | 1 | 0 | 11.856 | 1.669 | 0.3499 3075 | 0.778 | -6.091 |
| 52663-70-4 | 2,2',3,3',4,5',6'-Heptachlorobiphenyl | Training | 0.796 | 0.747 | -0.049 | -0.114 | 0.015 | 1 | 0 | 11.736 | 1.664 | 0.3674 3999 | 0.778 | -5.760 |
| 52663-71-5 | 2,2',3,3',4,4',6-Heptachlorobiphenyl | Training | 0.848 | 0.716 | -0.133 | -0.307 | 0.015 | 1 | 0 | 11.861 | 1.626 | 0.3694 6436 | 0.778 | -5.876 |

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| 52663-72-6 | 2,3',4,4',5,5'-Hexachlorobiphenyl | Prediction | 0.732 | 0.663 | -0.069 | -0.159 | 0.013 | 1 | 0 | 12.277 | 1.612 | 0.3670 9896 | 0.722 | -9.615 |
| 52663-74-8 | 2,2',3,3',4,5,5'-Heptachlorobiphenyl | Training | 0.854 | 0.732 | -0.122 | -0.283 | 0.015 | 1 | 0 | 11.865 | 1.664 | 0.3594 6864 | 0.750 | -5.806 |
| 52663-75-9 | 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | Training | 0.820 | 0.916 | 0.096 | 0.223 | 0.020 | 1 | 0 | 11.688 | 1.716 | 0.3370 3975 | 0.889 | -11.709 |
| 52663-77-1 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | Training | 0.728 | 1.012 | 0.284 | 0.661 | 0.029 | 1 | 0 | 11.531 | 1.73 | 0.3314 3381 | 1.028 | -6.465 |
| 52663-78-2 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | Training | 0.641 | 0.804 | 0.163 | 0.377 | 0.020 | 1 | 0 | 11.799 | 1.635 | 0.3618 3404 | 0.889 | -4.784 |
| 52663-79-3 | 2,2',3,3',4,4',5,6'-Nonachlorobiphenyl | Prediction | 0.799 | 0.986 | 0.187 | 0.435 | 0.029 | 1 | 0 | 11.644 | 1.692 | 0.3300 3704 | 1.028 | -6.416 |
| 526-73-8 | 1,3,5-Trimethylbenzene | Training | -1.602 | -1.383 | 0.219 | 0.514 | 0.044 | 0 | 0 | 3.524 | 0.505 | 0.4087 5 | 0.000 | -3.688 |
| 52712-04-6 | 2,2',3,4,5,5'-Hexachlorobiphenyl | Training | 0.839 | 0.626 | -0.213 | -0.491 | 0.013 | 1 | 0 | 11.852 | 1.612 | 0.3847 2923 | 0.694 | -4.190 |
| 52712-05-7 | 2,2',3,4,5,5',6'-Heptachlorobiphenyl | Prediction | 0.845 | 0.708 | -0.137 | -0.316 | 0.015 | 1 | 0 | 11.624 | 1.626 | 0.3791 2328 | 0.778 | -3.730 |
| 52744-13-5 | 2,2',3,3',5,6'-Hexachlorobiphenyl | Training | 0.724 | 0.716 | -0.008 | -0.019 | 0.013 | 1 | 0 | 11.642 | 1.655 | 0.3724 8067 | 0.722 | -8.942 |
| 52886-35-8 | 3-methyl-1-hexylcyclohexane | Training | -1.181 | -0.740 | 0.440 | 1.031 | 0.039 | 0 | 0 | 1.000 | 0.199 | 0 | 0.146 | -2.835 |
| 53-19-0 | o,p'-DDD | Training | 0.380 | 0.712 | 0.331 | 0.770 | 0.025 | 1 | 0 | 6.040 | 1.431 | 0.4019 2854 | 0.472 | -5.118 |
| 5325-97-3 | 1,2,3,4,5,6,7,8- | Training | -0.893 | -1.045 | -0.152 | -0.357 | 0.039 | 0 | 0 | 3.470 | 0.781 | 0.3384 0278 | 0.125 | -3.984 |

| | | | | | | | | | | | | | | |
|-------------------|----------------------------------|------------|--------|--------|--------|--------|-------|---|---|--------|-------|------------|-------|---------|
| | octahydrophenanthrene | | | | | | | | | | | | | |
| 53-70-3 | Dibenzo[a,h]anthracene | Training | -2.155 | -1.680 | 0.475 | 1.124 | 0.060 | 0 | 0 | 26.582 | 1.945 | 0.45 | 0.528 | -6.205 |
| 541-02-6 | Decamethylcyclopentasiloxane | Training | 0.532 | 0.847 | 0.316 | 0.858 | 0.287 | 0 | 0 | 1.000 | 0.452 | 0 | 1.944 | -74.624 |
| 544-76-3 | n-Hexadecane | Prediction | -0.314 | -0.641 | -0.327 | -0.765 | 0.038 | 0 | 0 | 1.000 | 0.127 | 0 | 0.056 | -55.784 |
| 55215-18-4 | 2,2',3,3',4,5-Hexachlorobiphenyl | Prediction | 0.839 | 0.582 | -0.257 | -0.593 | 0.013 | 1 | 0 | 11.857 | 1.569 | 0.39870988 | 0.694 | -4.081 |
| 556-67-2 | Octamethylcycloctetrasiloxane | Prediction | 0.602 | 0.105 | -0.497 | -1.181 | 0.068 | 0 | 0 | 1.000 | 0.417 | 0 | 0.944 | -56.561 |
| 55702-45-9 | 2,3,6-Trichlorobiphenyl | Training | 0.470 | 0.149 | -0.321 | -0.743 | 0.017 | 1 | 0 | 11.773 | 1.337 | 0.43449606 | 0.306 | -2.839 |
| 55712-37-3 | 2,3',4-Trichlorobiphenyl | Prediction | 0.556 | 0.254 | -0.303 | -0.700 | 0.014 | 1 | 0 | 12.329 | 1.38 | 0.42241875 | 0.444 | -4.609 |
| 5617-41-4 | n-heptylcyclohexane | Training | -1.699 | -0.757 | 0.942 | 2.207 | 0.040 | 0 | 0 | 1.000 | 0.238 | 0 | 0.090 | -2.265 |
| 56-49-5 | 3-methylcholanthrene | Training | -1.523 | -1.331 | 0.192 | 0.449 | 0.033 | 0 | 0 | 19.474 | 1.681 | 0.44094122 | 0.601 | -7.639 |
| 56-55-3 | Benzo[a]anthracene | Training | -2.301 | -1.815 | 0.487 | 1.144 | 0.048 | 0 | 0 | 23.672 | 1.603 | 0.45 | 0.347 | -5.702 |
| 56558-16-8 | 2,2',4,6,6'-Pentachlorobiphenyl | Training | 0.393 | 0.358 | -0.035 | -0.080 | 0.015 | 1 | 0 | 11.606 | 1.532 | 0.40106044 | 0.361 | -4.858 |
| 5707-44-8 | 4-ethyl-1,1'-biphenyl | Prediction | -1.745 | -1.489 | 0.256 | 0.594 | 0.024 | 0 | 0 | 12.296 | 0.995 | 0.44441358 | 0.313 | -3.010 |
| 57465-28-8 | 3,3',4,4',5-Pentachlorobiphenyl | Training | 0.581 | 0.441 | -0.140 | -0.323 | 0.012 | 1 | 0 | 12.527 | 1.517 | 0.40097756 | 0.583 | -5.242 |
| 581-40-8 | 2,3-Dimethylnaphthalene | Training | -1.921 | -1.397 | 0.523 | 1.220 | 0.030 | 0 | 0 | 10.705 | 0.871 | 0.43795352 | 0.167 | -43.252 |
| 60145-20-2 | 2,2',3,3',5-Pentachlorobiphenyl | Training | 0.761 | 0.505 | -0.256 | -0.592 | 0.011 | 1 | 0 | 11.799 | 1.56 | 0.40300193 | 0.583 | -4.843 |

| | | | | | | | | | | | | | | |
|-------------------|--|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| 60145-23-5 | 2,2',3,4,4',5,6'-Heptachlorobiphenyl | Training | 0.836 | 0.810 | -0.025 | -0.059 | 0.020 | 1 | 0 | 11.858 | 1.631 | 0.3548 3556 | 0.889 | -5.555 |
| 60233-25-2 | 2,2',3,4',6'-Pentachlorobiphenyl | Training | 0.230 | 0.467 | 0.237 | 0.547 | 0.011 | 1 | 0 | 11.843 | 1.527 | 0.4022 9145 | 0.556 | -5.057 |
| 608-93-5 | Pentachlorobenzene | Training | -0.387 | 0.473 | 0.860 | 2.019 | 0.043 | 1 | 0 | 3.548 | 0.918 | 0.3436 334 | 0.000 | -38.270 |
| 6117-97-1 | 4-methyl dodecane | Training | -1.114 | -0.824 | 0.290 | 0.680 | 0.042 | 0 | 0 | 1.000 | 0.088 | 0 | 0.111 | -3.143 |
| 62338-09-4 | 2,2,3-Trimethyl decane | Prediction | -1.181 | -0.799 | 0.382 | 0.896 | 0.046 | 0 | 0 | 1.000 | 0.009 | 0 | 0.222 | -2.035 |
| 629-50-5 | n-Tridecane | Training | -0.569 | -0.678 | -0.110 | -0.256 | 0.035 | 0 | 0 | 1.000 | 0.127 | 0 | 0.056 | -45.803 |
| 629-59-4 | n-Tetradecane | Training | 0.029 | -0.661 | -0.690 | -1.614 | 0.036 | 0 | 0 | 1.000 | 0.127 | 0 | 0.056 | -50.461 |
| 629-73-2 | 1-Hexadecene | Training | 0.183 | -1.133 | -1.316 | -3.108 | 0.055 | 0 | 0 | 1.083 | 0.167 | 0.3664 1337 | 0.056 | -55.784 |
| 66246-88-6 | 1H-1,2,4-Triazole, 1-[2-(2,4-Dichlorophenyl)pentyl]- | Training | -2.000 | -1.541 | 0.459 | 1.105 | 0.092 | 1 | 5 | 4.617 | 1.307 | 0.6791 6108 | 0.569 | -16.746 |
| 67129-08-2 | Metazachlor | Training | -4.494 | -3.203 | 1.291 | 3.119 | 0.098 | 0 | 7 | 4.692 | 2 | 0.6003 5435 | 0.715 | -4.971 |
| 68194-04-7 | 2,2',4,6'-Tetrachlorobiphenyl | Training | -0.854 | 0.296 | 1.150 | 2.661 | 0.015 | 1 | 0 | 11.814 | 1.475 | 0.4066 6638 | 0.333 | -7.174 |
| 68194-05-8 | 2,2',3,4',6'-Pentachlorobiphenyl | Training | 0.303 | 0.476 | 0.173 | 0.399 | 0.012 | 1 | 0 | 11.801 | 1.565 | 0.3876 2451 | 0.500 | -5.282 |
| 68194-14-9 | 2,2',3,4,5',6'-Hexachlorobiphenyl | Training | 0.799 | 0.620 | -0.180 | -0.415 | 0.013 | 1 | 0 | 11.739 | 1.617 | 0.3834 1533 | 0.667 | -4.254 |
| 68194-15-0 | 2,2',3,4,5,6'-Hexachlorobiphenyl | Training | -0.523 | 0.652 | 1.175 | 2.717 | 0.015 | 1 | 0 | 11.659 | 1.574 | 0.3980 8228 | 0.778 | -3.961 |
| 68194-16-1 | 2,2',3,3',4,5,6'-Heptachlorobiphenyl | Prediction | 0.009 | 0.667 | 0.659 | 1.524 | 0.015 | 1 | 0 | 11.629 | 1.583 | 0.3910 7956 | 0.778 | -3.653 |
| 6975-98-0 | 2-methyl decane | Training | -1.444 | -0.824 | 0.620 | 1.455 | 0.042 | 0 | 0 | 1.000 | 0.088 | 0 | 0.111 | -3.142 |

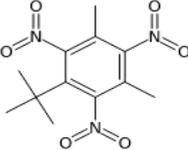
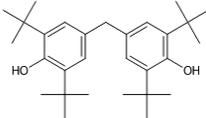
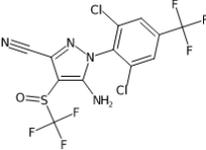
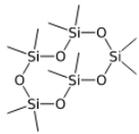
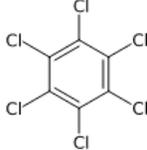
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|-------------------|---|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|---------|
| 7012-37-5 | 2,4,4'- Trichlorobiphe nyl | Prediction | 0.290 | 0.220 | -0.071 | -0.163 | 0.015 | 1 | 0 | 12.452 | 1.38 | 0.4162 3819 | 0.389 | -4.923 |
| 702-79-4 | 1,3- Dimethyladam antane | Training | -1.174 | -0.599 | 0.575 | 1.344 | 0.036 | 0 | 0 | 1.000 | 0.341 | 0 | 0.000 | -44.862 |
| 70356-09-1 | 1-(4-tert- butylphenyl)- 3-(4- methoxypheny l)propane-1,3- Dione | Training | -0.914 | -1.736 | -0.821 | -1.970 | 0.084 | 0 | 4 | 4.621 | 1.979 | 0.5608 4205 | 1.056 | -5.420 |
| 70362-45-7 | 2,2',3,6- Tetrachlorobip henyl | Training | 0.568 | 0.310 | -0.259 | -0.598 | 0.014 | 1 | 0 | 11.664 | 1.47 | 0.4181 4577 | 0.389 | -3.566 |
| 70362-46-8 | 2,2',3,5- Tetrachlorobip henyl | Prediction | 0.829 | 0.389 | -0.440 | -1.017 | 0.012 | 1 | 0 | 11.804 | 1.47 | 0.4201 7014 | 0.528 | -3.482 |
| 70424-68-9 | 2,3,3',4',5'- Pentachlorobi phenyl | Training | 1.033 | 0.478 | -0.555 | -1.282 | 0.011 | 1 | 0 | 12.140 | 1.56 | 0.3955 9585 | 0.556 | -5.400 |
| 70424-70-3 | 2,3',4',5,5'- Pentachlorobi phenyl | Prediction | 0.380 | 0.523 | 0.143 | 0.330 | 0.012 | 1 | 0 | 12.087 | 1.56 | 0.3903 3517 | 0.611 | -4.903 |
| 7045-71-8 | 2-methyl undecane | Training | -1.292 | -0.822 | 0.470 | 1.103 | 0.042 | 0 | 0 | 1.000 | 0.088 | 0 | 0.111 | -3.532 |
| 7116-96-3 | 4-pentyl-1,1'- Biphenyl | Training | -1.174 | -1.370 | -0.196 | -0.456 | 0.026 | 0 | 0 | 10.753 | 0.995 | 0.4391 3206 | 0.340 | -3.036 |
| 71608-00-9 | 1-octylpyrene | Training | -1.108 | -1.568 | -0.460 | -1.074 | 0.033 | 0 | 0 | 20.215 | 1.479 | 0.4328 3919 | 0.486 | -3.439 |
| 717-74-8 | Benzene, 1,3,5-Tris(1- methylethyl)- | Prediction | -0.398 | -0.433 | -0.035 | -0.085 | 0.103 | 0 | 0 | 3.407 | 0.388 | 0.3080 5556 | 1.042 | -53.426 |
| 71888-89-6 | Diisoheptyl phthalate | Training | -2.509 | -2.726 | -0.217 | -0.528 | 0.107 | 0 | 6 | 3.096 | 1.313 | 0.5696 6446 | 0.694 | -94.461 |
| 72-43-5 | Methoxy chlor | Training | -0.969 | -1.961 | -0.992 | -2.332 | 0.047 | 0 | 4 | 5.764 | 1.504 | 0.4759 5165 | 0.653 | -73.385 |
| 72-54-8 | p,p'-DDD | Training | 0.602 | 0.956 | 0.354 | 0.829 | 0.042 | 1 | 0 | 6.173 | 1.431 | 0.3752 0186 | 0.472 | -62.499 |

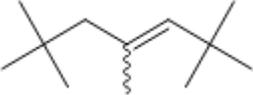
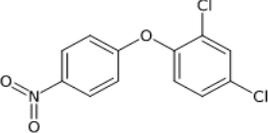
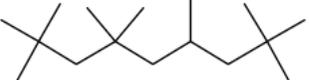
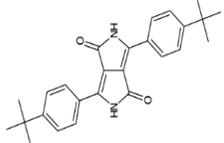
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|-------------------|---------------------------------------|------------|--------|--------|--------|--------|-------|---|---|--------|-------|------------|-------|---------|
| 73575-52-7 | 2,3,4,5'-Tetrachlorobiphenyl | Prediction | 0.218 | 0.460 | 0.242 | 0.559 | 0.012 | 1 | 0 | 12.296 | 1.475 | 0.40040295 | 0.611 | -7.708 |
| 74472-33-6 | 2,3,3',6-Tetrachlorobiphenyl | Training | 0.720 | 0.364 | -0.356 | -0.822 | 0.012 | 1 | 0 | 11.817 | 1.47 | 0.41196521 | 0.472 | -3.798 |
| 74472-34-7 | 2,3,4',5-Tetrachlorobiphenyl | Training | 0.857 | 0.368 | -0.490 | -1.131 | 0.012 | 1 | 0 | 12.189 | 1.47 | 0.40658351 | 0.500 | -3.861 |
| 74472-36-9 | 2,3,3',5,6-Pentachlorobiphenyl | Training | 0.477 | 0.444 | -0.034 | -0.077 | 0.012 | 1 | 0 | 11.685 | 1.522 | 0.40635927 | 0.528 | -3.299 |
| 74472-37-0 | 2,3,4,4',5-Pentachlorobiphenyl | Training | 0.829 | 0.450 | -0.379 | -0.876 | 0.012 | 1 | 0 | 12.215 | 1.479 | 0.40097756 | 0.611 | -3.463 |
| 74472-38-1 | 2,3,4,4',6-Pentachlorobiphenyl | Prediction | 0.857 | 0.416 | -0.441 | -1.019 | 0.012 | 1 | 0 | 12.010 | 1.484 | 0.39762022 | 0.528 | -3.498 |
| 74472-42-7 | 2,3,3',4,4',6-Hexachlorobiphenyl | Training | 0.826 | 0.592 | -0.234 | -0.542 | 0.013 | 1 | 0 | 12.047 | 1.574 | 0.38663257 | 0.694 | -4.509 |
| 74472-44-9 | 2,3,3',4',5,6-Hexachlorobiphenyl | Training | 0.929 | 0.590 | -0.340 | -0.785 | 0.012 | 1 | 0 | 11.875 | 1.612 | 0.3846082 | 0.639 | -4.415 |
| 74472-48-3 | 2,2',3,4,4',6,6'-Heptachlorobiphenyl | Training | 0.928 | 0.701 | -0.227 | -0.525 | 0.014 | 1 | 0 | 11.669 | 1.636 | 0.35281119 | 0.694 | -5.714 |
| 74472-53-0 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl | Training | 0.806 | 0.795 | -0.011 | -0.026 | 0.019 | 1 | 0 | 11.962 | 1.635 | 0.34848099 | 0.861 | -5.041 |
| 74487-85-7 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl | Prediction | 0.884 | 0.799 | -0.085 | -0.196 | 0.017 | 1 | 0 | 11.621 | 1.674 | 0.3514973 | 0.806 | -5.618 |
| 779-02-2 | 9-Methylanthracene | Prediction | -2.398 | -1.759 | 0.639 | 1.489 | 0.030 | 0 | 0 | 18.248 | 1.237 | 0.44305556 | 0.236 | -4.039 |
| 781-17-9 | 4,5,9,10-Tetrahydropyrene | Training | -1.553 | -1.039 | 0.514 | 1.210 | 0.050 | 0 | 0 | 9.124 | 1.223 | 0.39875 | 0.111 | -56.126 |

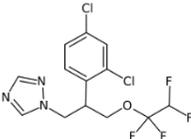
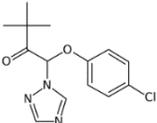
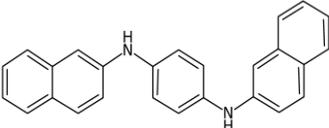
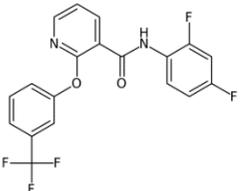
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|-------------------|---|------------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|----------|
| 789-02-6 | 1-Chloro-2-(2,2,2-Trichloro-1-(4-chlorophenyl)ethyl)benzene (o,p'-DDT) | Training | 0.839 | 0.805 | -0.033 | -0.078 | 0.025 | 1 | 0 | 5.819 | 1.448 | 0.3963 2259 | 0.569 | -4.992 |
| 81-15-2 | Musk-xylene | Prediction | -0.210 | -0.799 | -0.589 | -1.525 | 0.213 | 0 | 3 | 4.638 | 0.882 | 0 | 1.618 | -6.160 |
| 81777-89-1 | Clomazone | Prediction | -3.699 | -0.893 | 2.806 | 6.662 | 0.065 | 1 | 4 | 3.099 | 1.238 | 0.4566 1226 | 0.476 | -3.035 |
| 821-95-4 | 1-undecene | Training | -1.409 | -1.201 | 0.208 | 0.489 | 0.049 | 0 | 0 | 1.152 | 0.167 | 0.3729 9195 | 0.056 | -41.173 |
| 83164-33-4 | Diflufenican | Training | -2.991 | -3.083 | -0.092 | -0.226 | 0.126 | 0 | 7 | 6.296 | 2.563 | 0.8111 6504 | 0.972 | -12.309 |
| 832-69-9 | 1-Methylphenanthrene | Training | -1.721 | -1.711 | 0.011 | 0.025 | 0.029 | 0 | 0 | 18.216 | 1.237 | 0.4460 9375 | 0.299 | -6.643 |
| 84-15-1 | o-Terphenyl | Prediction | -0.499 | -1.346 | -0.847 | -1.990 | 0.046 | 0 | 0 | 18.180 | 1.461 | 0.45 | 0.333 | -65.396 |
| 84632-59-7 | 3,6-Bis-(4-tert-butylphenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione | Training | -1.413 | -1.530 | -0.116 | -0.291 | 0.161 | 0 | 6 | 7.163 | 2.449 | 0.4752 2555 | 1.654 | -107.949 |
| 85-01-8 | Phenanthrene | Training | -1.122 | -1.847 | -0.725 | -1.693 | 0.035 | 0 | 0 | 18.554 | 1.261 | 0.45 | 0.125 | -3.984 |
| 872-05-9 | 1-decene | Training | -0.991 | -1.230 | -0.239 | -0.561 | 0.047 | 0 | 0 | 1.164 | 0.167 | 0.3750 5807 | 0.056 | -34.385 |
| 88671-89-0 | Myclobutanil | Training | -2.097 | -1.561 | 0.536 | 1.282 | 0.079 | 1 | 6 | 4.618 | 1.975 | 0.7026 1728 | 0.684 | -7.169 |
| 91-17-8 | t-decalin | Training | -0.068 | -0.633 | -0.566 | -1.322 | 0.035 | 0 | 0 | 1.000 | 0.349 | 0 | 0.000 | -34.486 |
| 91-20-3 | Naphthalene | Prediction | -2.301 | -1.530 | 0.771 | 1.800 | 0.034 | 0 | 0 | 10.721 | 0.919 | 0.45 | 0.000 | -34.486 |
| 91-57-6 | 2-Methylnaphthalene | Training | -2.000 | -1.600 | 0.400 | 0.932 | 0.028 | 0 | 0 | 10.744 | 0.895 | 0.4448 9796 | 0.083 | -3.391 |
| 92-06-8 | m-terphenyl | Training | -1.347 | -1.306 | 0.040 | 0.095 | 0.047 | 0 | 0 | 19.290 | 1.461 | 0.45 | 0.500 | -64.879 |
| 92-51-3 | Bicyclohexyl | Training | -0.770 | -0.503 | 0.266 | 0.620 | 0.030 | 0 | 0 | 1.000 | 0.349 | 0 | 0.139 | -44.916 |
| 933-12-0 | 3,5,5-Trimethylcyclohexene | Training | -1.137 | -1.205 | -0.068 | -0.159 | 0.031 | 0 | 0 | 1.416 | 0.259 | 0.2694 4444 | 0.000 | -2.054 |

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|-------------------|---------------------------------------|----------|--------|--------|--------|--------|-------|---|---|--------|-------|----------------|-------|--------|
| 93-46-9 | N,N'-Di-2-naphthyl-p-phenyleneDiamine | Training | -1.096 | -1.787 | -0.692 | -1.835 | 0.252 | 0 | 4 | 11.419 | 3.309 | 0.4934 0278 | 0.361 | 0.000 |
| 94361-06-5 | Cyproconazole | Training | -1.959 | -1.686 | 0.273 | 0.660 | 0.102 | 1 | 6 | 4.021 | 1.566 | 0.6952 7817 | 0.771 | -7.107 |
| 98-51-1 | 1-tert butyl-4-methyl benzene | Training | -1.018 | -1.133 | -0.115 | -0.270 | 0.040 | 0 | 0 | 3.323 | 0.45 | 0.3765 9722 | 0.354 | -1.549 |

Table S5 – List of the molecules outside the Applicability Domain (AD) of equations 1 and 3. CAS numbers, SMILES, Structures, chemicals common names, and information on the AD.

| CAS | SMILES | Structure | Common Name | out AD Eq.1 | out AD Eq.3 |
|-------------|---|--|------------------------------|-------------|-------------|
| 81-15-2 | <chem>O=N(=O)c1c(C)c(N(=O)=O)c(c1C(C)(C)C)N(=O)=O</chem> |  | Musk-xylene | X | X |
| 118-82-1 | <chem>CC(c1cc(Cc2cc(c(c2)C(C)(C)C)O)C(C)(C)C)cc(c1O)C(C)(C)C(C)C</chem> |  | Binox M | X | X |
| 120068-37-3 | <chem>N#Cc1nn(c(c1S(=O)C(F)(F)F)N)c1c(Cl)cc(cc1Cl)C(F)(F)F</chem> |  | Fipronil | X | X |
| 541-02-6 | <chem>C[Si]1(C)O[Si](C)(C)O[Si](C)(C)O[Si](O[Si](O1)(C)C)(C)C</chem> |  | Decamethylcyclopentasiloxane | X | X |
| 118-74-1 | <chem>Clc1c(Cl)c(Cl)c(c1Cl)Cl</chem> |  | Hexachlorobenzene | X | |

| | | | | | |
|------------|--|--|---|----------|--|
| 123-48-8 | <chem>CC(=CC(C)(C)C)CC(C)(C)C</chem> |  | 2,2,4,4,6,6 pentamethyl-3-heptene | X | |
| 1836-75-5 | <chem>Clc1ccc(c(c1)Cl)Oc1ccc(cc1)N(=O)=O</chem> |  | 2,4-Dichloro-1-(4-nitrophenoxy) benzene | X | |
| 4390-04-9 | <chem>CC(CC(CC(C)(C)C)(C)C)CC(C)(C)C</chem> |  | 2,2,4,4,6,8,8-heptamethyl nonane | X | |
| 84632-59-7 | <chem>CC(c1ccc(cc1)c1[nH]c(=O)c2c1c(=O)[nH]c2c1ccc(cc1)C(C)(C)C)C</chem> |  | 3,6-Bis-(4-tert-butyl-phenyl)-2,5-dihydro-pyrrolo[3,4-c]pyrrole-1,4-dione | X | |

| | | | | | |
|---------------------------|--|--|--|--|-----------------|
| <p>112281-77-3</p> | <p><chem>Clc1ccc(c(c1)Cl)C(Cn1cncn1C(F)(F)F)</chem></p> |  | <p>Tetraconazole</p> | | <p>X</p> |
| <p>43121-43-3</p> | <p><chem>O=C(C(C)(C)C)C(n1ncnc1)Oc1ccc(cc1)Cl</chem></p> |  | <p>Triadimefon</p> | | <p>X</p> |
| <p>93-46-9</p> | <p><chem>c1ccc2c(c1)cc(cc2)Nc1ccc(cc1)Nc1ccc2c(c1)cccc2</chem></p> |  | <p>N,N'-Di-2-naphthyl-p-phenyleneDiamine</p> | | <p>X</p> |
| <p>83164-33-4</p> | <p><chem>Fc1ccc(c(c1)F)NC(=O)c1ccncc1Oc1ccc(c1)C(F)(F)F</chem></p> |  | <p>Diflufenican</p> | | <p>X</p> |
| <p>16958-92-2</p> | <p><chem>CCCCCCCCCCCCCOC(=O)CCCC(=O)OCCCCCCCCCCC</chem></p> |  | <p>Diisotridecyl adipate</p> | | <p>X</p> |