MODELING TO PREDICT THE AQUATIC TOXICITY OF NEUTRAL COMPOUNDS USING TOXIC MODE OF ACTION CLASSIFICATION AND LINEAR FREE ENERGY RELATIONSHIPS

by

Kathleen Sharon Boone

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TABLE OF CONTENTS

LIST OF TABLES ix
LIST OF FIGURES xi
ABSTRACT xv

Chapter

1 INTRODUCTION 1

1.1 Motivation 1
1.2 Research Goals 2

2 TARGET SITE MODEL: APPLICATION OF THE ppTLM TO PREDICT AQUATIC TOXICITY FOR VARIOUS MODES OF ACTION 4

2.1 Introduction 4
2.2 Mode of Action Definition & Examples 5

2.2.1 Narcosis 6
2.2.2 Acetylcholinesterase Inhibition 7
2.2.3 Pyrethroid sodium channel modulation 8
2.2.4 Uncouplers of Oxidative Phosphorylation 8
2.2.5 Adverse Outcome Pathways 8

2.3 Database Development 9

2.3.1 Database References 9
2.3.2 Method of Database Compilation 14

2.4 Target Site Model (TSM) 23

2.4.1 Model Theory & Development 24

2.5 Results & Discussion 29
2.6 Implications 47

3 PREDICTING MODES OF TOXIC ACTION FROM FEATURE WEIGHTED k-NEAREST NEIGHBORS METHODOLOGY 49

3.1 Introduction....49
3.2 Discrimination Model Approach & Development....50
3.2.1 Chemical Descriptors....52
3.2.2 Discrimination Techniques....54
3.2.2.1 Linear Discrimination Analysis....54
3.2.2.2 Nonlinear Discrimination Methods....55
3.2.3 k-NN Application & Variations Tested....57
3.2.3.1 k-NN Distance Weighting Application....58
3.2.3.1 k-NN Feature Weighting Application....58
3.3 Results & Discussion....59
3.3.1 Application to Toxicity Prediction....73
3.3.2 Prediction for Untested Organisms.....78
3.4 Implications....79
4 CONCLUSIONS & RECOMMENDATIONS....82
REFERENCES....86
Appendix
A TARGET SITE MODEL: APPLICATION OF THE ppTLM TO PREDICT AQUATIC TOXICITY FOR VARIOUS MODES OF ACTION....94
A.1 Compiled Database for Mode of Action Development....95
A.2 Acute Aquatic Toxicity Information for Compounds in the Model Database....296
A.3 Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model....495
B PREDICTING MODES OF TOXIC ACTION FROM FEATURE WEIGHTED k-NEAREST NEIGHBORS METHODOLOGY....501
B.1 Equations Used in Distance Weighting k-NN Calculations. R Statistical Program Function *kknn*() with Triangular Kernel estimations.[83]....502
B.2 Compounds Associated with the Training Database for the k-NN Classification Analysis....503
B.3 Compounds Associated with the Test Database for the k-NN Classification Analysis....516

LIST OF TABLES

Table 2-1. Details of the combined database from Appendix Table A.1 and the subset associated with model development. Broad mode of action labels are general classifications while specific mode of action labels are linked to molecular initiating events. Specific mode of action labels for the model database are listed as Applied MoA in Table A.1. The number of genera listed for each MoA are determined from available toxicity data for that compound. 16

Table 2-2. Summary of final regression model for each MoA and associated FAV limit. Note that FAV estimates were not possible for ester narcosis and alkylation due to limited genera representation in the model database. 31

Table 2-3. Comparison of initial MLR models with 5 Abraham parameters and with 5 Abraham parameters as well as LUMO energies. 44

Table 3-1. Results for the test compound database analyzed using feature weighted k-NN analysis with k = 3. Test group contains 296 compounds which are tested with each MoA for inclusion label or 'not' inclusion. F_1 score is the harmonic mean of the sensitivity and recall (Eq. (3-1)) 68

Table A.1.1. Part 1 of the database includes chemical name, CAS number, SMILES String, Abraham solute parameters, molecular weight, Log Kow, water solubility, and Applied Specific MoA. 95

Table A.1.2. Part 2 of the database includes CAS number, associated references, Broad and Specific MoA labels from each reference..... 180

Table A.2. Acute Aquatic Toxicity Information for Model Compounds. Data was extracted from ECOTOX, EPA T.E.S.T, and literature.[16, 44, 60] Note that Active Ingredient (A.I.) and Confidence Interval (C.I.) are abbreviated in the column titles..... 296

Table A.3.1. Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model. Parameters include e, s, a, b, v, CTSC for applicable organisms, and associated standard errors. Coefficients for Nonpolar, Organophosphate, Polar, Pyrethroid sodium channel modulation, Carbamate, and Aclicyclic GABA antagonism. 495

Table A.3.2. Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model. Parameters include e, s, a, b, v, CTSC for applicable organisms, and associated standard errors. Coefficients for Ester Narcosis, Diphenyl sodium channel modulation, Uncoupling oxidative phosphorylation, oxidative phosphorylation inhibition and alkylation. 499

Table B.2. Compounds associated with the training database for k-NN analysis. CAS number, applied MoA, and Abraham parameters are included. 503

Table B.3. Compounds associated with the test database for k-NN analysis. CAS number, applied MoA, and Abraham parameters are included. .. 516

LIST OF FIGURES

Figure 2-1. Dimensional information for the complete database. Cells indicate the number of data points available for that MoA/genus combination and colors highlight that quantity. 20

Figure 2-2. Histogram of Log K_{OW} values for the 661compounds used in model development. The range for Log K_{OW} spans 12 orders of magnitude with the majority of the compounds have a K_{OW} between 1 and 10^5 L/kg. 22

Figure 2-3. Experimental LC50 values found in EPA T.E.S.T. and EcoTox database for 5 MoA, indicating the range in distributions for each group.[44, 60] Pyrethroid sodium channel modulation trends 4-6 orders of magnitude lower than baseline (nonpolar) narcosis due to specific interactions at the target site. 23

Figure 2-4. Results from multilinear regression analyses run in R for the specific MoA. The legend applies for vertical pairs. Experimental LC50 values for a variety of aquatic organisms were used with Abraham solute parameters to determine the optimized regression equation for each MoA. Statistical details for each relationship are listed in Table **2-2** and parameter values listed in Table A.3. 29

Figure 2-5. Results from multilinear regression analyses run in R for the specific MoA. Legend applies to all plots in the series. Experimental LC50 values for a variety of aquatic organisms were used with Abraham solute parameters to determine the optimized regression equation for each MoA. Statistical details for each relationship are listed in Table **2-2** and parameter values listed in Table A.3. 30

Figure 2-6. Comparison of solvent coefficients determined for each of the MoA models. Note that *a* for Alicyclic GABA antagonism is omitted from the plot due to the large magnitude. 33

Figure 2-7. Cross plots of the model residual values subset by mode of action and chemical solute parameters. Note that units for MoA LC50 residuals are mM, while the Abraham parameters are unitless (but kept on the same scale for convenience). 37

Figure 2-8. Cross plots of Abraham solute parameters for compounds in the MoA groups of (A) ester, (B) polar, and (C) nonpolar narcosis. 38

Figure 2-9. Comparison of Log (CTSC [mmol/kg target]) values determined from the TSM ppLFER equation for five groups (nonpolar, polar, and ester narcosis, pyrethroid sodium channel modulation, and organophosphates). 40

Figure 2-10. Comparison of Log (CTSC [mmol/kg target]) values determined from the TSM ppLFER equation for six groups (alicyclic GABA antagonism, alkylation, carbamate, and diphenyl sodium channel modulation, uncoupling oxidative phosphorylation, and oxidative phosphorylation inhibition). 42

Figure 2-11. Train and test regression results for the three MoA with the most associated data. The compounds in each group were randomly assigned to either train (80%) or test (20%) the model. The results are closely aligned with the initial model outcome. 45

Figure 2-12. Predicted LC50 estimates using calculated Final Acute Values in place of CTSC for all compounds in the model database. The fraction of predicted LC50 values exceeding observed LC50 values is 0.04. Associated FAV limits for each MoA are listed in Table **2-2**. 47

Figure 3-1. Procedural flowchart for estimating aquatic toxicity for diverse class of compounds and genera. Abbreviated to only 4 MoA for visual purposes, the remaining 7 MoA follow the same procedure. Not pictured: pyrethroid sodium channel modulation, alkylation, alicyclic GABA antagonism, ester narcosis, uncoupling of oxidative phosphorylation, oxidative phosphorylation inhibition, and diphenyl sodium channel modulation. 50

Figure 3-2. Comparison of fraction recall scores (Eq. (3-2)) for linear discriminate analysis for inclusion of additional quantum chemical parameters related to reactivity. Parameters considered include LUMO, HOMO, and excited state energies and the oscillator strength estimate. All values were determined using Gaussian 09. 60

Figure 3-3. Decision boundaries determined for three classification methods for the nonpolar narcosis MoA. Correctly assigned points are the same color as the grid (e.g. red point on red grid is correct, green point on red grid is incorrect). Linear discrimination results in a line with many points labeled incorrectly. Support vector machines is displayed with radial vectors and improved the model, but still misses a substantial number of the green (nonpolar narcosis) points. The k-NN classification method with k=3 shows the ability to refine the borders to maximize data inclusion. 62

Figure 3-4. Comparison of nonlinear discrimination techniques to linear discrimination. Results are for grouped MoA labels with a leave-one-out cross validation method applied to determine the fraction recall statistic (Eq. (3-2)). 64

Figure 3-5. Comparison of test set results for k voting methods, distance weighting, and feature weighting techniques. The test set was a random assignment of 20% of the compounds from each MoA. The subset of MoA shown has at least 15 compounds in the test set. 66

Figure 3-6. Results for the test set of compounds for select k-NN techniques: voting, distance weighting, and feature weighting. The test set was a random assignment of 20% of the compounds from each MoA. The subset of MoA shown has at least 15 compounds in the test set. Weighted F_1 score along the y-axis accounts for the number of compounds in each group. 67

Figure 3-7. *F1* scores for 11 MoA represented in the test group (296 compounds). Blue bars are associated with the compounds correctly labeled in the MoA class and orange bars are those correctly labeled not in the MoA group. The sum of the compounds associated with the blue and orange bars would be 296 for each MoA and the number of compounds in the group is listed above the bar. Data from Table **3-1**. 70

Figure 3-8. Feature weighted k-NN model results for test compound database for correct MoA assignment from compiled results of 11 k-NN classifications. Green bars indicate the number of compounds correctly assigned to the observed MoA group while red bars indicate incorrect assignment. 72

Figure 3-9. Test set of compounds with LC50 predictions using the feature weighted k-NN discrimination technique to first assign MoA labels. The TSM associated ppLFER is then used to compute the LC50 for the specific organism in the database and these are compared to experimental data. 75

Figure 3-10. Predicted LC50 values for the combined training and test set of compounds using Applied MoA labels from Table A.1. The appropriate TSM and associated ppLFER are used to calculate the LC50 for specific organism in the database and these are compared to experimental data. 77

Figure 3-11. Predicted Final Acute Values for the test set of compounds using TSM values and feature weighted k-NN classification. 79

ABSTRACT

With the multitude of new chemicals developed each year, understanding their potentially toxic effects on aquatic life is of current concern. The goal of this work is to provide a methodology for estimating the aquatic toxicity of new compounds using modeling techniques and chemical descriptors. For this analysis, a database of 2049 chemicals with 47 associated modes of action (MoA) is compiled from literature. The specific mode of action refers to the molecular initiating event that results in a toxic effect in the organism. Narcosis, pyrethroid sodium channel modulation, and acetylcholinesterase inhibition are key groups considered. The database includes alkanes, polycyclic aromatic hydrocarbons (PAH), pesticides, inorganic, and polar compounds. MoA information from 14 sources were assigned using a variety of reliable experimental and modeling techniques. Conflicting MoA assignments from two or more sources were noted and removed from model development. The database was expanded to include CAS numbers, chemical names, SMILES strings, Log Kow, Abraham parameters, and molecular weight information. Aquatic toxicity and water solubility data was collected and curated for the compounds used in model development.

Understanding the mode of action associated with a compound results in improved toxicity predictions.[1-4] The proposed methodology involves the use of a feature weighted k-nearest neighbors (k-NN) classification technique to assign an MoA label to a test compound. Abraham solute parameters are employed to determine group separation as they describe the interactions between the compound and the target site in the organism. The model utilizes a binary discrimination technique with a training/test split

of 80/20 to characterize compounds as positive (within the specific mode of action group) or negative (not in the group). This method ensures that if membership in every MoA is associated with a low probability, the compound is left as unassigned across all tested groups. Thorough investigation of linear and nonlinear discrimination methods resulted in a feature-weighted k-NN methodology. Optimizing the influence of each solute parameter in the model with k=3 resulted in the most successful MoA assignment results.

Once grouped into specific MOA classes, linear free energy relationships (LFER) are used to quantify acute toxicity levels (e.g. LC50 values) for the test compound. The poly-parameter target site model (TSM) was developed for each specific MoA using multilinear regression analysis. With this procedure, critical target site concentrations (CTSC) are determined for each genus. The resulting CTSC were used to determine Final Acute Values that are appropriate for establishing criteria guidelines for 95% species protection.

Chapter 1

INTRODUCTION

1.1 Motivation

The Clean Water Act developed and amended by the Environmental Protection Agency (EPA) was designed to protect the quality of the country's surface waters. With an increasing number of chemicals being introduced into the environment every year, this becomes a challenging task. Non-point source discharges of pesticides can unintentionally contaminate groundwater and can migrate to surface water bodies afflicting aquatic life. Approximately 1000 chemicals are submitted to the E.P.A per year for approval and introduction to the environment. With the signing of the Lautenberg Act (an amendment to TSCA) in 2016 the EPA has an increased responsibility to review and assess new and existing chemicals for their potential adverse effects on our health and our environment.[5] These evaluations can involve multiple dose-response toxicity tests which are time-consuming and expensive. With limited resources and review deadlines, the use of quantitative structure activity relationships (QSAR) to estimate toxicity has become a valuable option. For this reason, the European Organisation for Economic Co-operation and Development (OECD) developed guidelines for the validation and use of QSARs for regulatory purposes.[6]

There is an increased emphasis on the reduction of animal testing, particularly in Europe. REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) is a regulation of the European Union and it was adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals.[7] This

legislature also promotes alternative methods for the hazard assessment of substances to reduce the number of tests on animals. The European chemical agency (ECHA) has a focus on alternative method and approaches to animal testing that includes QSAR development. In the U.S., the amendment to TSCA requires the promotion of methods that limit or reduce the amount of testing done on vertebrates.[8] As a result, developing a model based on the specific toxic mode of action would be a benefit to this field of assessment.

1.2 Research Goals

The overall goal of this work is to develop a mechanistic approach for estimating the aquatic toxicity of neutral compounds using chemical descriptors. The idea is to ensure this method can be extended to new and developing compounds where limited data is available. The only information necessary to begin this analysis is the 2D structure information contained in a compound's SMILES string. The beginning of chapter 2 focuses on the curation of a database with reliable MoA labels, which is a key factor in successful model analyses. It was necessary to review the approach to MoA labeling described by each reference to ensure it maintained high standards for inclusion which involved toxicity studies, behavioral analyses, and bioassay work. The desire was to construct models similar in theory to the poly-parameter Target Lipid Model which allows for separation of the chemical specific and organism specific components. A detailed model selection methodology was outlined to ensure the most appropriate descriptors were selected for the specific MoA multilinear regression equations.

Before the appropriate ppLFER can be applied, a test compound would need an MoA label assignment. A classification method was developed to assign a predicted mode of action. Once determined, the LC50 can be calculated using the associated

Target Site Model LFER for that MoA. This provides aquatic toxicity predictions and criteria guideline estimates to assist in assessment of potential contaminants.

Chapter 2

TARGET SITE MODEL: APPLICATION OF THE ppTLM TO PREDICT AQUATIC TOXICITY FOR VARIOUS MODES OF ACTION

2.1 Introduction

In recent years, both the EPA and the European REACH counsel have been advocating the development of methods to replace in vivo animal toxicity testing.[6, 7, 9] As a result, validated, mechanistic models have been gaining acceptance as a reliable alternative. Quantitative Structure Activity Relationships (QSAR) that range from simple octanol-water partition coefficient equations to poly-parameter Linear Free Energy Relationships (ppLFER) are utilized to predict aquatic toxicity. It has been found [1-3, 10-13] that models that consider MoA are more widely applicable and have increased accuracy in estimating aquatic toxicity.

A database of 2049 chemicals with 47 associated modes of action has been compiled from the literature. The database includes alkanes, polycyclic aromatic hydrocarbons (PAH), pesticides, inorganic, and polar compounds. It was carefully curated to ensure that the MoA classifications were reliable. It is used to develop LFER for each MoA. The models are based on the methodology used in the original Target Lipid Model (TLM) for narcosis. In the TLM, the target lipid-water partition coefficient is assumed to be chemical specific and the critical target lipid body burden is organism specific.[14] An adaption of this model, the poly-parameter Target Lipid Model, estimates the partitioning coefficient with Abraham parameters instead of the octanol-water partitioning coefficient.[15] The Target Site Model developed in this work is an expansion

of the ppTLM using experimental LC50 values to determine MoA specific solvent parameters and critical target site concentrations (CTSC) for each genera.

Statistical descriptors were used in a model selection procedure to determine the most significant variables for the final regression equation. The resulting MoA specific solvent parameters and genera CTSC covered approximately 10 orders of magnitude. Three modes of action with enough data were split into train (80%) and test (20%) sets. The resulting solvent parameters were within the error range of the original model and the model fit was comparable.

Lastly, a Final Acute Value (FAV) to protect 95% of the species was determined for use in criteria assessment. These values are used in in place of genera CTSC in the model. The distribution of the CTSC data was used to get an initial estimate of the criteria limit. Final values for three MoA were adjusted to ensure the required protection level.

2.2 Mode of Action Definition & Examples

The MoA is defined as the system of events at the cellular level that leads to a toxic effect in the organism.[16, 17] This term was first utilized in the risk assessment of carcinogens.[18] A MoA can be determined from a combination of chemical, biological, and statistical information relating to the compound and the organism's response. This is distinguished from the term mechanism of action, which describes the detailed sequence of actions at the molecular level that cause the adverse response. In practice, mechanism of action pathways can be difficult to specify completely. Of the 47 mode of action labels listed in the database, 27 of those are represented in the subset used for model development. This resulted in models for 11 specific MoA based on available toxicity data. Five prevalent MoA are detailed below. References describing the other associated

specific modes of toxic action, particularly for pesticides, are: the AOPWiki website and the Insecticide Resistance Action Committee (IRAC) website. [1, 19]

2.2.1 Narcosis

Narcosis was the earliest identified MoA. The majority of nonpolar organic compounds exhibit the narcosis MoA, which is considered baseline toxicity. This non-specific interaction involves the partitioning of a hydrophobic chemical between the aqueous phase and the lipid bilayer of cell membranes.[3, 20] The more hydrophobic (lipophilic) compounds will have a higher contaminant concentration in the lipid layer of the cell relative to the aqueous phase concentration. As the chemical concentration in the lipid layer increases, normal cell functioning is impeded thereby inducing a toxic response. The effects are reversible until a certain critical threshold is reached which results in either mortality or other sub lethal damage. For acute exposures, reversibility is observed if the contaminant exposure is ceased, allowing the adverse effects to subside and the organism to recover.[21]

Aquatic toxicity is typically assessed using an LC50, which is the concentration of the compound in the water that results in 50% mortality of the species, often for a 96-hr. exposure. Behavioral studies in fish have shown that narcotic effects include: depressed spontaneous locomotor activity, loss of startle response, and darkening body coloration.[22] It can be subdivided into non-polar, polar, and ester narcosis based on specific functional groups.

There is debate as to whether polar narcosis is a separate MoA from baseline (non-polar) narcosis.[23] In part, this results from an incomplete understanding of the MoA pathways. There is some experimental evidence that highlights differences in the two classifications. For example, the fish behavioral studies conducted by Russom resulted in

different adverse effects for the two modes.[12] Joint toxicity studies indicated the two groups were not strictly additive, implying differing modes of action.[24] Roberts and Costello suggested that polar narcotics bind to the phosphatidyl choline head at the membrane during partitioning. This would restrict the potential movement of the chemical and does not occur for nonpolar narcotics.[25] Experimental work by Escher, et al. proposes that there is no difference in the mechanism of action, but that the differences in body burdens are due to an unequal distribution of the compound.[10, 26] For this database, polar narcotics are kept as a separate MoA. Examples are 2,4,5-trichlorophenol and 2-nitrotoluene.

2.2.2 Acetylcholinesterase Inhibition

Acetylcholinesterase inhibition (AChEi) is a well-defined MoA involving the buildup of acetylcholine in the synaptic nerve due to the binding of the contaminant to the ester site in the acetylcholinesterase (AChE) enzyme. When the inhibitor binds to the AChE enzyme, acetylcholine causes ion gated channels to remain open, allowing the unrestricted flow of nerve impulses.[27] This is manifested in the organism with seizures, twitching, convulsions, and death. Research has suggested that the inhibitors bind to the enzyme at the Serine203, Glutamate334, and Histidine447 sites.[27, 28] Because of their widespread use in crop protection applications, detailed information is available for these compounds in studies based on insects, rays, and fish.[28-31]

The AChEi group includes organophosphates and carbamates, most of which are pesticides. Legacy compounds in this class were also used as nerve gases during wartime (e.g. Sarin). The critical difference between these two classes of compounds is that the organophosphates bind essentially irreversibly to the enzyme, whereas the carbamates have a delayed release. This behavior results in a general increase in the toxicity of the

organophosphates relative to the carbamates. Examples are malathion, chlorpyrifos, carbaryl, and carbofuran.

2.2.3 Pyrethroid sodium channel modulation

Synthetic pyrethroids and certain organochlorines are generally classified as neurotoxins. The target site for this MoA is the voltage-gated sodium channel found on the axonal portion of the presynaptic nerve cell. Compounds with this MoA attach to these specific voltage-gated channels and cause a sodium ion imbalance within the cell. As a result of this process, nerve cells are damaged by overstimulation leading to paralysis and mortality. This group is sometimes referred to as voltage-gated sodium channel modulators and it includes mostly insecticides. Examples are permethrin and metaflumizone.

2.2.4 Uncouplers of Oxidative Phosphorylation

Phenols and certain weak acids can be categorized as uncouplers of oxidative phosphorylation. ATP (adenosine triphosphate) is utilized in cells as an energy storage compartment and its production is essential for cellular respiration. Typically, electron transport produces a proton motive force that drives the phosphorylation reaction to produce ATP.[32, 33] Uncouplers of oxidative phosphorylation short circuit the path that links these two processes so that ATP is not produced. The biological response is a sharp increase in respiration rates (in an attempt to maintain the energy level), followed by mortality. Examples include: 3,5-dinitroaniline and 2,4-dinitrophenol.

2.2.5 Adverse Outcome Pathways

Adverse Outcome Pathways (AOP) was developed by the EPA to provide a detailed framework for mode and mechanism of action descriptions. The AOP

methodology proposed by Ankley and colleagues at the EPA in 2010 is closely related to MoA interpretation.[1] This stepwise approach provides a structure for linking a molecular initiating event (MIE) to an adverse outcome for an individual organism or a population.[34, 35] The MIE often involves the binding of a chemical to a particular enzyme or protein at the target site in the organism. A series of key events constitute a relationship that includes significant responses at the cellular, organ, and organism level. Once this pathway has been described, separate models and/or testing can be employed to establish a quantitative assessment of the toxic effect. An AOP is a collective assessment of available experimental data and research used to create specific pathways, with associated information available online. Currently, there are 146 pathways in various stages of development.

2.3 Database Development

The database was built from literature sources that had assigned MoA labels based on experimental evidence and clearly stated methodologies. The database MoA labels from the publications detailed below have been included for evaluation and comparison. The complete database is available in Table A.1 of the appendix.

2.3.1 Database References

Broderius [24, 36], performed joint addition toxicity studies with a chemical of known MoA to determine if the new compounds had the same MoA. Model compounds included octanol (baseline narcosis), phenol (polar narcosis), and 2,4-dinitrophenol (uncoupler of oxidative phosphorylation). Isobole diagrams were developed for binary combinations of the reference chemical and a diverse group of organic chemicals. Experimental results that indicated strictly additive toxicity classified the tested compound to the same MoA as the reference chemical MoA. This method classified 46

compounds as nonpolar narcotics, 32 as polar narcotics, and 10 as oxidative phosphorylation uncouplers. There were 8 chemicals that had strict additivity with both octanol and phenol, making it unclear which MoA to assign. It was suggested that for these compounds the interactions due to hydrophobicity (linked to nonpolar narcosis) were approximately equal to the hydrogen bonding effects (linked to polar narcosis) at the target site. This subset of compounds was excluded from the model developed.

McKim et al.[11] defined Fish Acute Toxicity Syndromes (FATS) that use physiochemical response patterns to describe different MoAs. Using behavior-response information for fathead minnows, chemicals with narcosis and AChEi modes of action were separated from stimulants and oxidative uncouplers using discriminant function analysis. Key response behaviors analyzed included swimming activity, response to stimuli, coloration, and ventilation patterns. Including respiratory and cardiovascular responses of rainbow trout allowed for the additional discrimination of convulsants, respiratory blockers, respiratory membrane irritants, and oxidative uncouplers. Drummond and Russom utilized a similar approach to assess behavior toxicity syndromes, which describe three acutely toxic modes of actions based on response to 40 stressors.[22] This method distinguished narcosis, uncouplers of oxidative phosphorylation, and AChE inhibition. The results are included in the database.

The databases used by Martin [37, 38] and Barron [39] included MoA labels determined with a high degree of confidence from a consensus approach. The assignments result from a review of multiple sources including: international consensus, IRAC (Insecticide Resistance Action Committee), Assessment Tools for the Evaluation of Risk (ASTER), and professional judgement based on literature information and structural analysis.[40] Martin used this set of compounds (924) together with linear discrimination and random forest modeling to distinguish between six MoA. Decision trees form the basis of the

random forest statistical approach and involve a series of if-then choices that lead to a classification. Random forest results are formed from a collection of decision trees that are trained with a sampling of the total population data and descriptors.[41] Martin employed a variety of descriptors from the EPA's Toxicity Estimation Software Tool (T.E.S.T.) for the linear discriminant model and from Dragon Software for the random forest approach.[42, 43] The final models were determined based on statistical parameters used to describe the best fit. [43] The reference MoA labels from these works form a large part of the database.

Wenzel and Nendza [2, 13] outlined a specific set of bioassays to identify MoA. Patterns associated with the key in vitro assay tests were used to discriminate among up to nine MoA. The associated tests for each mode are: neutral red assays (baseline narcosis, polar narcosis, and reactivity), mitochondria/oxygen consumption (uncoupling oxidative phosphorylation, respiratory inhibition), algae oxygen production (photosynthesis inhibition), AChE enzyme-assays (AChE inhibition), glutathione (GSH) assays (thiol-alkylating agents), and yeast receptor assays (estrogenic activity). Approximately 115 organic chemicals were analyzed, and fingerprints were developed based on in vitro test results. Discriminant analysis utilized this specific battery of tests and it was 90% successful in classifying the different MoA. Wenzel[13] substantiates the correlation between LC50 and the neutral red assay, which was used as an indicator for narcosis (polar and non-polar) and reactivity. These compounds are included in the database with respiratory inhibition listed under the general classification of uncoupling/inhibition of oxidative phosphorylation.

Escher [10] developed the Kinspec system, which involves time-resolved spectroscopy and energy transducing membranes to distinguish narcotics from oxidative uncouplers. Energy transducing membranes are utilized because they are the target site

of oxidative uncouplers, as opposed to narcotics which can affect any biological membrane. The Kinspec system allows monitoring at different pH levels inside the cell membrane, which is a key discriminator in determining the uncoupling MoA since it allows for speciation within the membrane. The charge on the uncouplers is assumed to hinder partitioning, but the ionic compounds are hypothesized to cause a greater toxic effect once inside. As the degree of dissociation increases with increasing pH, the organic acid is able to take up a proton from the membrane and diffuse to the other side as a neutral compound. This interrupts the functioning of the standard proton motive force and results in cell dysfunction.[3] These uncouplers and narcotic compounds were included in the database.

Russom [12], in conjunction with the U.S. EPA, National Health and Environmental Effects Research Laboratory (NHEERL), Mid-Continent Ecology Division (MED), developed a computer based system (ASTER) [40] that can predict MoA based on structural characteristics/fragments of the compound. The original model included approximately 600 compounds with MoA assignments based on a consensus methodology that considered joint toxic action studies, FATS information, behavioral and dose-response information associated with LC50 bioassays and supporting literature. A confidence level (A-D) was established for the MoA determination. Level A confidence required a FATS, joint toxic action, or chemical specific literature information. Level B assignment was linked to a behavior study, LC50 ratio, and excess toxicity evaluation. Level C was chosen if there were less than the three requirements for level B, but other information was available to support the assignment. Level D indicated insufficient data. Multiple MoAs were noted for some chemicals when more than one MoA were suggested. For chemicals that were strictly additive with phenol and octanol in joint toxicity tests, LogP, a previous term for the log of the octanol-water partition coefficient (Log K_{OW}), was used

to determine the MoA. This parameter provides an estimate of hydrophobicity. Above LogP = 2.7 it was classified as nonpolar narcotic and below as a polar narcotic. Fish behavioral effects for type I syndrome included body discoloration, decreased activity and lessened response to stimuli. This set of responses is linked to non-polar narcosis. The type II syndrome effects included hyperactivity, over-reactivity to stimuli, and increased time to death from type I. This syndrome is linked to polar narcosis and oxidative phosphorylation uncoupling. Type III syndrome represents AChEi and electrophile reactivity and behavior effects include spontaneous activity, convulsions, and hemorrhaging. Compounds are considered electrophilic if they seek to accept electrons and pro-electrophilic if they require metabolic activation before they become electron acceptors. [44] Electrophile and pro-electrophile reactivity correlate to a reactivity MoA, which are separate from the specifically acting group composed of AChEi compounds. To align with label notation used in this database, electrophile and pro-electrophile chemicals are assigned to the general class of reactivity and those listed as CNS seizure/stimulants are grouped with neurotoxicity. Only compounds with confidence levels A or B were included in this database.

Three papers by Ren [45-47] all involved a consensus assignment for MoA, with reference to experimental basis. They discriminated between narcotics (polar & non-polar) and reactive compounds (uncouplers, soft electrophiles, pro-electrophiles). The compounds and MoA assignments are from Bearden & Schultz (1997), which utilized structural indicators (similar to Russom's approach) to determine MoA. Ren utilized Abraham parameters and linear discrimination to distinguish between three modes of narcosis: polar, nonpolar, and ester (194 compounds). Abraham Parameters are used to describe the interactions between a chemical and a solvent system, quantifying the steady state partitioning of the solute into the two different solvents. [48, 49] Ren investigated the

relationship between toxicity and K_{OW} for 337 compounds with narcotic and reactive MoA. [45] These reference compounds were listed in the database.

The European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC) organized the assemblage of the ECETOC Aquatic Toxicity (EAT) database. This summary of high quality experimental data utilized a general classification scheme and was added to this work.[50] The database includes compounds listed as polar or nonpolar narcotics from the EAT database and other broad MoA classifications (reactivity and specifically acting). A subset of the narcotic group contains metal compounds and that was noted in the specific MoA category, but these were not included in the model database because it was unclear if the specific MoA was separate from nonpolar or polar.

Two organizations provide online resources with specific information relating to pesticides, the Insecticide Resistance Action Committee and the Pesticide Action Network Pesticide Database.[19, 51] IRAC has a detailed listing of MoA labels and assignment methods based on government approval procedures for the compounds. Compounds listed with these specific MoA determinations were included in the analysis.

Work done with soft electrophiles and narcotics by Schuurmann and Veith was also listed, but without additional information these compounds were assigned to the broad class of reactivity. [52-54] Polar and nonpolar narcotic compounds including some polycyclic aromatic compounds related to the target lipid model were added to the database.[14, 15]

2.3.2 Method of Database Compilation

The database was compiled in order to develop acute toxicity ppLFERs for each MoA. It contains MoA labels, information relating to chemical identification, physical property data, and aquatic toxicity. The full database is available in appendix A1.

The inclusion of specific and unambiguous compound identifiers was a priority to ensure reproducibility and to minimize errors. CAS numbers, SMILE strings, and chemical names were found using ChemSpider and SciFinder when the information was not provided in the associated article. [55-58] Chemical properties: molecular weight, octanol water partition coefficients (Log K_{OW}), and Abraham parameters were also included to assist in predictive modeling work. [48, 49] Experimental Log K_{OW} values were retrieved from EpiSuite v4.1. If experimental values were not available, calculated values were listed. [59] Estimated water solubility concentrations were obtained from WSKowwin v1.42 in EpiSuite.[59] Abraham parameters were determined using AbSolv from Percepta which employs a fragment based approach. [60]

There exists variability in MoA labeling terminology, which can result from the use of varying interpretations of the classification groups or from different discrimination methods. For example, parathion can be considered a specifically acting compound as well as an AChEi. This can lead to some confusion when attempting to combine data from various sources. As a result, the best practice is to follow the framework of the EPA's AOP that ties the adverse effect to a specific molecular initiating event.[61] This approach of linking MoA labels to the MIE minimizes the errors relating to unclear or vague classification groups.

There are two levels of MoA labels listed in the database: broad or specific. The broad MoA is more general and relates to a classification of similar compounds or reactions that can include more than one initiating events. The specific MoA is the detailed label associated with a key event. Classifications referencing the same initiating event were grouped and labeled consistently. The specific MoA used in model development is labeled as the Applied MoA in Table A.1. This will agree with reference MoA labels. In some cases, the general label provided by the reference article did not have enough

associated information to assign a specific MoA classification. Table **2-1** provides details of the full database, including the broad and specific MoA category, the number of compounds, and the genera for which toxicity information is available.

Table 2-1. Details of the combined database from Appendix Table A.1 and the subset associated with model development. Broad mode of action labels are general classifications while specific mode of action labels are linked to molecular initiating events. Specific mode of action labels for the model database are listed as Applied MoA in Table A.1. The number of genera listed for each MoA are determined from available toxicity data for that compound.

		Full Database	Model Database	
Broad MoA	Specific MoA	No. Compounds	No. Compounds	No. Genera
AChE inhibition		2		
	Carbamate	78	11	32
	Organophosphate	217	46	43
Neurotoxicity		7		
	Pyrethroid sodium channel modulation	103	15	23
	Sodium channel blocking	3		
	Alicyclic GABA antagonism	42	8	29
	Alicyclic GABA agonism	16		
	Diphenyl sodium channel modulation	11	6	26
	Pyrazole GABA antagonism	6		
	Strychnine	4	1	2
	Ryanodine receptor modulators	3		
	Chordotonal organ modulators	2		
	Octopamine receptor agonists	1		
Nicotinic acetylcholine receptor (nAChR)				
	nAChR agonism	8	1	2
	nAChR antagonism	1		
	nAChR blockers	4		
	nAChR modulators	2		
Narcosis (includes metals)		110		
	Nonpolar	592	331	56
	Polar	259	104	14
	Ester	64	31	11
	Amine	5	8	1

Table 2-1. (continued)

Broad MoA	Specific MoA	Full Database No. Compounds	Model Database No. Compounds	Model Database No. Genera
	Alkylation	38	23	7
	Cyanate/nitrile	9	7	11
	Di/trinitroaromatic	13	5	8
	Carbonyl	13	6	3
	Acrylate	8	5	2
	Thiol alkylating agents	1		
	Phosphide	2		
	Hydrazine	4	1	1
	Chromate	3		
Oxidative Phosphorylation (Electron Transport)		2		
	Uncoupling oxidative phosphorylation	67	24	16
	Oxidative phosphorylation inhibition	23	7	19
	Arsenical respiratory inhibition	22		
	Mitochondrial complex electron transport inhibition	10	1	4
	Inhibition of mitochondrial ATP synthase	5	1	3
Iono/Osmoregulatory/Circulatory impairment				
	Anticoagulation	25	3	3
	Methemoglobinemia	6		
	Metallic iono/osmoregulatory impairment	18		
	Other osmoregulatory	6		
Photosynthesis inhibition		4		
Non-AChE inhibition				
	Carbamate	6	1	
	Organophosphate	2		
Estrogenic compounds		6		
	Juvenile hormone mimics	3		
Growth/Development inhibition				
	Mite growth inhibitors	3		
	Inhibitors of chitin biosynthesis	12	1	4
	Inhibitors of acetyl COA carboxylase	3		
	Ecdysone receptor agonists	2		
	Modulating Disruptor	1		
	Microbial Disruptors of insect midgut membranes	1		
Miscellaneous non-specific (or multi-site) inhibition		52	1	5
	Total	2049	648	79

The complete database has a total of 2049 compounds with 47 number of specific MoA labels and 12 broad category labels.

There were 102 compounds that have MoA labeling conflicts with 83% of them involving some type of narcotic designation. When the same compound was listed in more than one source, the MoA labels were compared, and any conflicting MoA specifications were noted. This affected approximately 5% of the compounds and they are labeled as 'Conflicts' under the Applied MoA in Table A.1. Note that, labels that were exclusive (e.g. Non-AChE Carbamate) were not considered in conflict with a specific label assigned by another reference unless that label was the rejected group (e.g. AChEi). The data with conflicting MoA were not included in the toxicity models developed. The model database is a subset of the original collection due to labeling conflicts and lack of either toxicity or Abraham parameter information. Table **2-1** lists details of the model database, the subset of the data that could be used to in the regression analysis. It shows the number of compounds and genera associated with each specific MoA in the model database. Broad class MoA labels were not used in model development. There is a total of 648 compounds used in the model development with 79 different genera.

Experimental acute aquatic toxicity data is summarized separately in Appendix Table A.2. Experimental lethal effect concentrations (LC50) were compiled from the EPA T.E.S.T. database and are listed for fathead minnows (*Pimephales promelas)* and *Daphnia magna*.[43] The EPA ECOTOX database was queried for aquatic toxicity information for the listed compounds. This provided LC50 values for a variety of species including fish, crustacea, and mollusks.[59] Toxicity information from Kipka was merged with the database.[15] Only LC50 results were included. Concentrations that were listed as "no effect", "lowest effect", or chronic exposures were eliminated. Quantitative results that

included either greater than or less than qualifiers were removed. Tests durations were limited to 48 or 96 hours. Results were trimmed for any compounds listed with the active ingredient less than 75%. Concentration units were converted to millimolar if listed in other units. Toxicity information is not available for all compounds in the database.

Figure **2-1** displays the dimensions of the combined toxicity and compound data used in the model development.

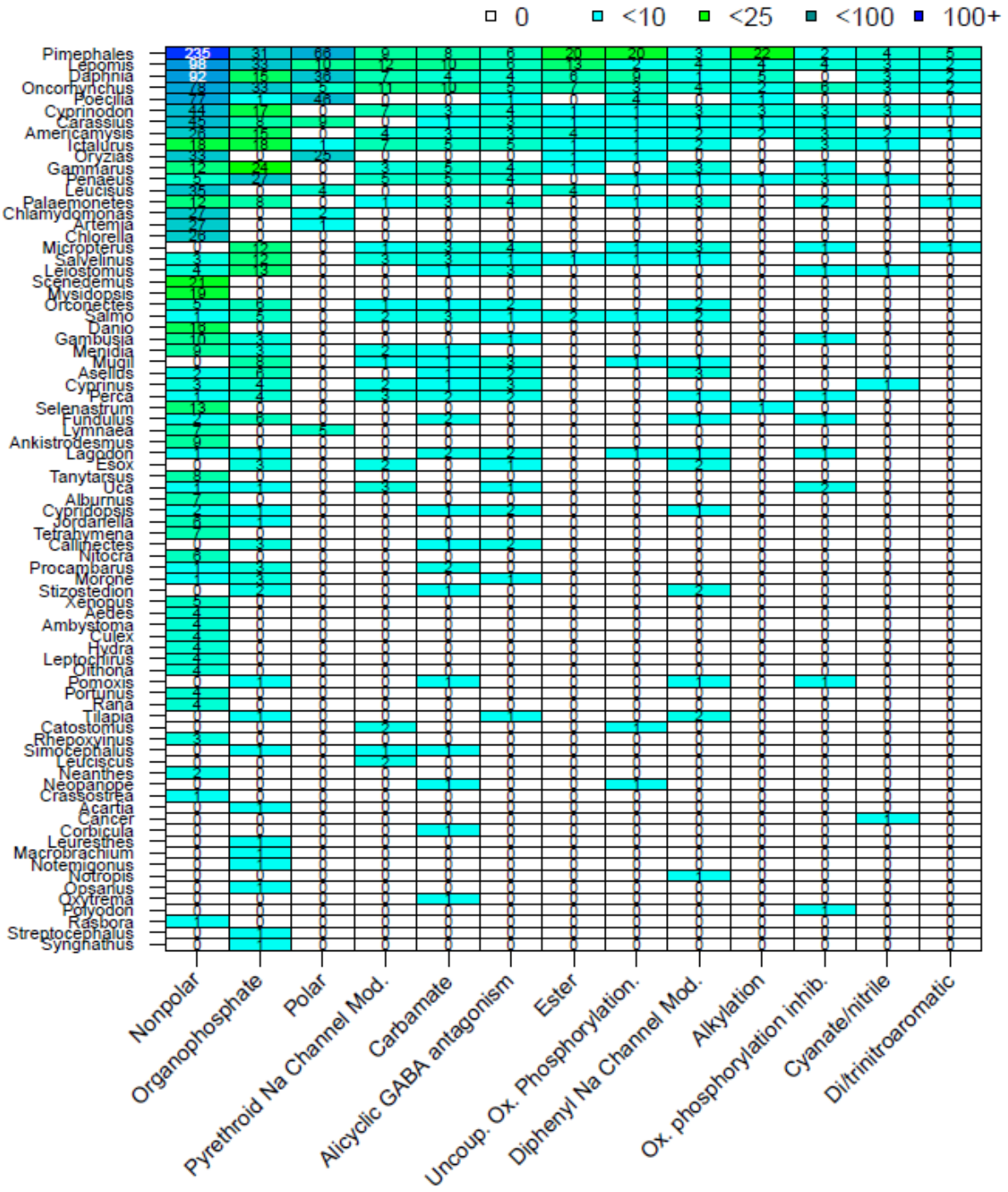


Figure 2-1. Dimensional information for the complete database. Cells indicate the number of data points available for that MoA/genus combination and colors highlight that quantity.

The colors highlight genera/MoA combinations that had higher frequencies of data available. The MoA (x-axis) are ordered in terms of the total number of data points available. Compounds linked to nonpolar narcosis have the most toxicity data available from 331 compounds and 56 different genera. Organophosphates have the second largest group with information available for 46 compounds and 43 genera. Polar narcosis has a substantial number of compounds associated with it (104), but fewer genera (14). The data in Figure **2-1** can be used to plan experiments using different genera to expand the range of organisms tested for this MoA. For other MoA, e.g. alkylation or anticoagulation, data limitations are due to the small number of compounds associated with the MoA. Additional testing with related compounds would expand that MoA database as well. Figure **2-2** provides information on the range of hydrophobicity of the compounds in the database.

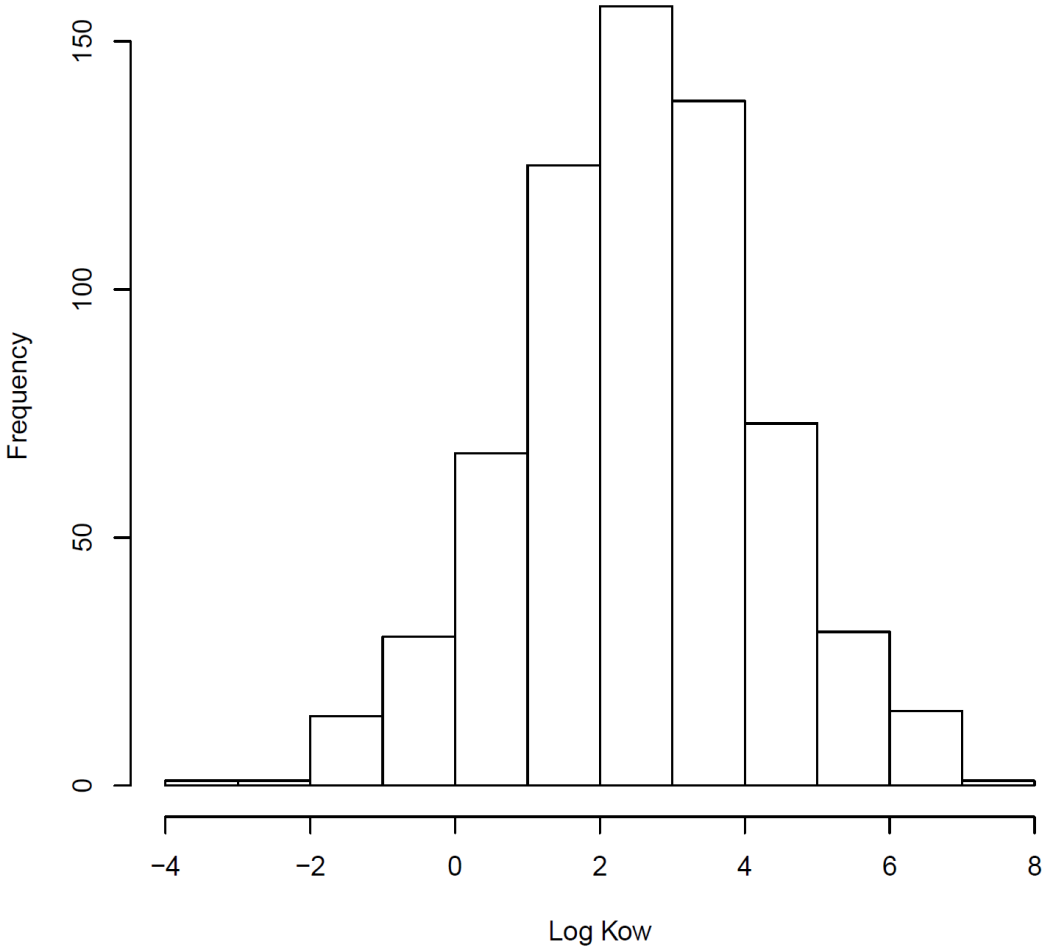


Figure 2-2. Histogram of Log K_{OW} values for the 661compounds used in model development. The range for Log K_{OW} spans 12 orders of magnitude with the majority of the compounds have a K_{OW} between 1 and 10^5 L/kg.

While the Log K_{OW} spans a large range (-4 to 8), the majority of the compounds are within 0 to 5. This translates to a range of 1 L/kg octanol to 10^5 L/kg, which is common for environmental contaminants. Figures **2-1** and **2-2** highlight the wide array of chemicals included in the database and the variety of organisms assessed.

2.4 Target Site Model (TSM)

Nonpolar or baseline narcosis is generally regarded as the least toxic MoA. The probability distribution of experimental LC50 values from the database are presented in Figure **2-3** for nonpolar narcosis, polar narcosis, pyrethroid sodium channel modulation, carbamates, and organophosphates.

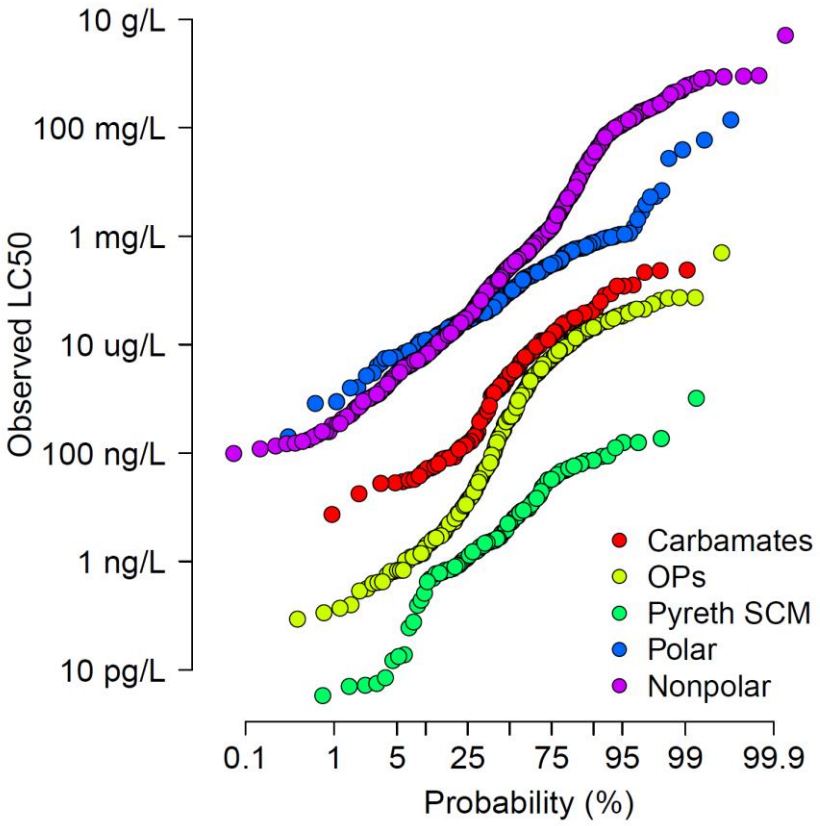


Figure 2-3. Experimental LC50 values found in EPA T.E.S.T. and EcoTox database for 5 MoA, indicating the range in distributions for each group.[43, 59] Pyrethroid sodium channel modulation trends 4-6 orders of magnitude lower than baseline (nonpolar) narcosis due to specific interactions at the target site.

Narcosis concentrations are 4-6 orders of magnitude higher than the pyrethroid sodium channel modulators that have a range from pg/L to ng/L. The MoA that specifically

interact with a protein or enzyme induce an increased toxic effect. This use of separate models to evaluate the various MoA can accommodate this diversity.

2.4.1 Model Theory & Development

The target lipid model utilizes a lipid-water partitioning coefficient (K_{LW}) to represent the ratio of the equilibrium concentration of the chemical in the target site to that in the water phase.[14] The target site for narcosis is the lipid bilayer of the cell membrane and the model assumes that when the concentration of the contaminant at this site reaches a threshold, mortality will result. The lipid normalized critical body burden is the concentration of the chemical in the organism when 50% mortality occurs for the population, is shown in Eq. (2-1).

$$C^*_{L,j} = K_{LW,i} LC50_{i,j} \quad (2\text{-}1)$$

The units of the critical body burden, $C^*_{L,j}$ (mmol/kg lipid), are determined by the units of the $LC50_{i,j}$ (mmol/L) and lipid-water partition coefficient $K_{LW,i}$ (L/kg lipid). Subscripts i and j denote the specific compounds i and species j. The target lipid model assumed that the critical body burden, $C^*_{L,j}$ is chemical independent and that the lipid-water partitioning coefficient $K_{LW,i}$ is species independent. This assumption enables the use of only the chemical parameter, the octanol-water partition coefficient, K_{OW}, to be used as a surrogate for K_{LW}.

$$Log(K_{LW}) = m\, Log(K_{OW}) \quad (2\text{-}2)$$

Statistical analysis demonstrated that a universal slope, *m*, could be used to estimate LC50 concentrations all narcotic compounds. Substituting Eq. (2-2) into Eq. (2-1) yields the TLM, Eq. (2-3), for Log $\left(LC50_{i,j}\right)$.

$$Log\ (LC50_{i,j}) = Log\ C^*_{L,j} + m\ Log\ (K_{OW,i}) + \Delta c_i \qquad (2\text{-}3)$$

This equation highlights the key idea of the target lipid model: the separation of the variables into species dependent ($C^*_{L,j}$) and chemical dependent ($K_{OW,i}$) components. The predicted critical body burdens were compared to experimental values and trends in the residual values identified the need for a chemical class correction component, Δ*c*. This correction was proposed to be linked to the deficiencies with using octanol as a substitute for lipid.

This model was further developed using Abraham parameters to estimate the lipid-water partition coefficients. The model no longer required the chemical class correction, Δ*c*.[15] The poly-parameter target lipid model (ppTLM) for narcotic compounds is

$$Log\ (LC50)_{i,j} = -(c + eE + sS + aA + bB + vV)_i + Log\ C^*_{L,j} \qquad (2\text{-}4)$$

The solvent (lower case) and solute (upper case) terms account for specific functional group interactions. The *aA* and *bB* pair represent the ability to of the solute/solvent to accept or donate hydrogen bonds. Dispersive forces causing temporary induced dipoles are quantified by the *eE* term. Dipole to dipole interactions are quantified by the polarizability term *sS*. The *vV* pair represents the characteristic molecular volume effects of the compound. It accounts for the energy required to form a cavity in the solvent and water. Abraham solute parameters are included in the database for all compounds with available estimates from Absolv.[62, 63]

The ppTLM utilized an extensive database of narcotic compounds and multilinear regression analysis to determine the solvent parameters (*e*, *s*, *a*, *b*, *v*, and *c*) and critical target lipid body burdens (C_L^*) for Eq. (2-4). The multilinear regression used observed LC50 data and chemical specific Abraham solute parameters (*E*, *S*, *A*, *B*, and *V*). The optimization procedure resulted in one set of solvent parameters (*e*, *s*, *a*, *b*, *v*) for narcosis and one critical body burden for each species examined. In order to determine the constant, *c*, experimental body burden data were required since it cannot be determined independently from the rest of the model parameters in Eq. (2-4).

The methodology employed for the ppTLM was utilized for each specific MoA listed in the database to create the Target Site Model. The ppTLM for narcosis assumes that the organism specific critical target lipid body burden (CTLBB) has units (mmol/kg lipid). For other modes of action in the TSM, the target to which the chemical binds is not necessarily the lipid of the organism. Therefore, the critical organism concentration ($C_{S,j,m}^*$) will be referred to as the critical target site concentration (CTSC). The model equation is

$$Log\ (LC50_{i,j,m}) = -(eE + sS + aA + bB + vV)_{i,m} + Log\ C_{S,j,m}^* \quad (2\text{-}5)$$

Subscripts *i*, *j*, and *m* denote the specific compound *i*, species *j*, and mode of action *m*. The units for the CTSC ($C_{S,j}^*$) are determined by the units of the LC50 (mmol/L) and the units of the target site-water partition coefficient, which is the set of Abraham interaction terms in Eq. (2-5). The target site-water partition coefficient has the usual units for a partition coefficient (L/kg target site), Therefore the CTSC has units (mmol/kg target). Without experimental critical target site concentrations for the MoA data sets, it is not possible to determine a distinct value for c, as in the narcosis ppTLM. Therefore, the CTSC

(mmol/kg target) cannot be directly related to an organism concentration, e.g. (mmol/kg organism dry weight).

Specific MoA labels with at least 25 data points were analyzed. Fewer points resulted in indications of overfitting with large standard errors of the regression coefficients. Regression analyses were performed utilizing Abraham solute parameters for the compounds of interest and the experimental LC50 determinations for the various genera.[60] When multiple LC50 values were found for the same compound/genus pair, the median LC50 was used. This reduced the influence of LC50 outliers. Compounds with experimental LC50 concentrations greater than the predicted aqueous solubility concentrations were not included in the regression analysis. The compound solubilities were retrieved from the EpiSuite WSKowwin v1.42.[59] For these compounds, it is likely that the aqueous solution was supersaturated and the possibility exists that the organisms were exposed to pure chemical. This procedure eliminated approximately 7% of the available toxicity data.

The R-statistical package [64] and the *lm* (linear model) function was used to estimate the solvent parameters (*e*, *s*, *a*, *b*, and *v*) and organism critical target site concentrations ($C^*_{S,j}$) for each specific MoA. The model selection process involved a sequence of steps to determine the statistically significant regression parameters for each MoA. First, the full model was employed that included the five Abraham parameters and the genera body burdens for the organisms available for that MoA. In all cases, this resulted in a model with multiple parameters that were not statistically significant, and/or it included zero in value range for the parameter if the standard error was considered. The probability that a parameter = 0, the p-value, tests the null hypothesis (H_0: β_1=0). The second step evaluates the performance of all the models that contain a subset of the model parameters. These models are assessed using the R function *leaps*().[65] This function uses an efficient

algorithm to combine the parameters into various subsets for a revised linear regression equation.[65] Associated performance measures were calculated for each model. These measures included: adjusted R^2, root-mean square error (RMSE), number of model variables, Mallow's Cp value, p-statistic for the overall subset model, and the resulting number of parameters with $p > 0.10$. The adjusted R^2 value is the fraction of the variance accounted for by the regression model, adjusted for the number of variables used in comparison to the number of data points. The RMSE is the square root of the average of the model squared residuals, as shown in Eq. (2-6).

$$RMSE = \sqrt{\frac{\sum(\hat{y}_i - y_i)^2}{N}} \tag{2-6}$$

In this equation, N is the number of data points, $\hat{y}_i$ is the predicted value for observation i, and y_i is the value of observation i. The RMSE is the sample standard deviation if the model prediction errors ($\hat{y}_i$ - y_i) have zero mean. Therefore, an RMSE = 1.0 corresponds to 68% of the predictions being within one order of magnitude if the data is in log units. This assumes that the residuals are normally distributed. The RMSE is a measure of how well the model predicts the experimental data. The Mallow's Cp statistic compares the residuals of the full model (all parameters) to those of a subset of the model, taking into account the amount of data and reduced number of parameters. The best model was selected to minimize the RMSE with the smallest number of significant variables, while keeping Cp = the number of model features.[66] The model selection process ensured that all parameters with $p > 0.10$ were removed. Regressions were performed on the selected models and the resulting solvent coefficients to be used in Eq. (2-5) are listed in the appendix Table A.3.

2.5 Results & Discussion

Figures **2-4** and **2-5** present the predicted LC50 versus experimental results from the final regression analyses for eleven specific MoA.

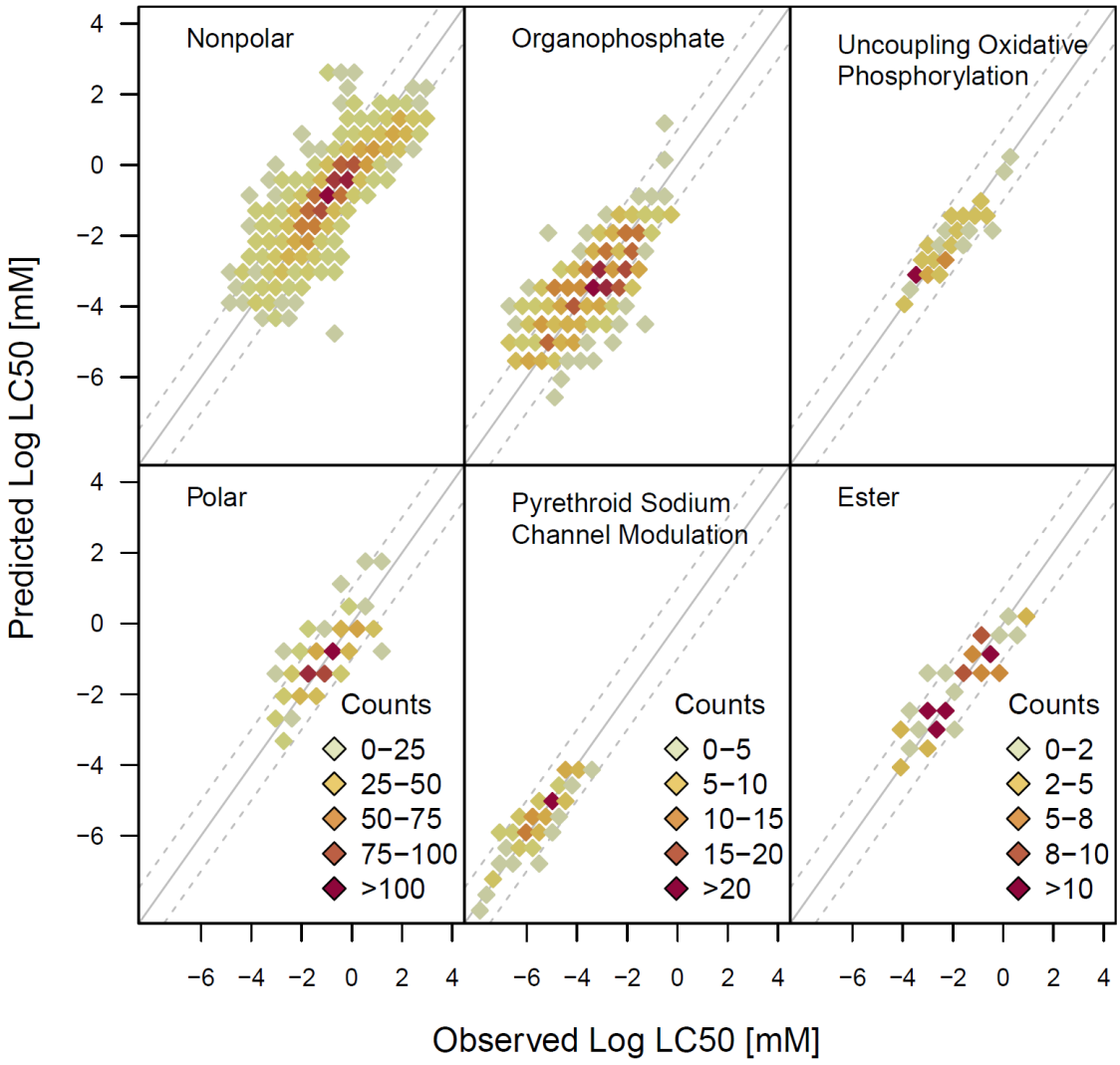


Figure 2-4. Results from multilinear regression analyses run in R for the specific MoA. The legend applies for vertical pairs. Experimental LC50 values for a variety of aquatic organisms were used with Abraham solute parameters to determine the optimized regression equation for each MoA. Statistical details for each relationship are listed in Table **2-2** and parameter values listed in Table A.3.

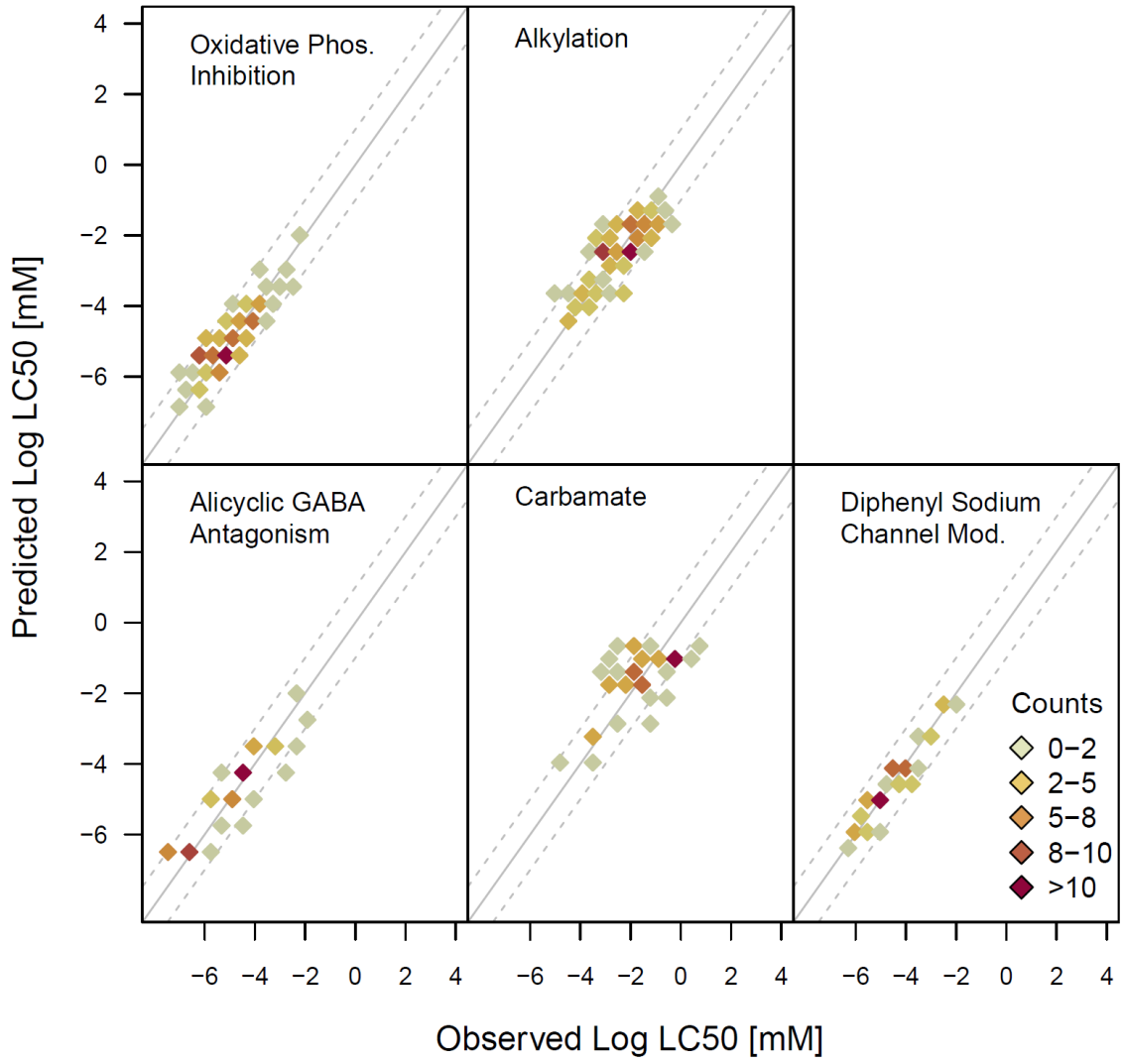


Figure 2-5. Results from multilinear regression analyses run in R for the specific MoA. Legend applies to all plots in the series. Experimental LC50 values for a variety of aquatic organisms were used with Abraham solute parameters to determine the optimized regression equation for each MoA. Statistical details for each relationship are listed in Table **2-2** and parameter values listed in Table A.3.

The plot is a two-dimensional histogram generated in R with the help of the *hexbin*() function.[67] Each diamond symbol is coded with increasingly darker color indicating that

more data points are within the range of that symbol. The solid line is the 1:1 relationship and the dotted lines are +/- one log unit. Predicted values are generally within +/- 1 log unit of the experimental values, with only lower density regions falling outside of the limits. Details of each of the MoA regression models are listed in Table **2-2** including the number of Abraham parameters, the number of CTSC estimated, and the root-mean square error.

Table 2-2. Summary of final regression model for each MoA and associated FAV limit. Note that FAV estimates were not possible for ester narcosis and alkylation due to limited genera representation in the model database.

MOA	RMSE	No. Data Pts	No. Genera	No. AP Coefficients	FAV (mmol/kg target)
Nonpolar	0.772	1099	43	4	-0.03
Organophosphate	0.909	340	36	3	-3.95
Polar	0.492	210	6	5	-0.70
Pyrethroid sodium channel modulation	0.373	91	11	3	-2.60
Carbamate	0.618	88	13	3	-3.34
Alicyclic GABA antagonism	0.480	81	9	2	-1.71
Ester	0.549	55	1	4	NA
Diphenyl sodium channel modulation	0.269	51	8	3	-1.56
Uncoupling oxidative phosphorylation	0.435	46	5	2	-2.18
Oxidative phosphorylation inhibition	0.537	38	18	4	-4.97
Alkylation	0.930	36	1	3	NA

The model RMSE range from 0.269 to 0.930, indicating that model prediction error could expect to be a factor of 2 for the smaller RMSE to less than a factor of 10 for the larger RMSE. The trends, particularly for the narcosis MoA, show that the prediction error rate increases as we get into higher LC50/Kow ranges. This can be seen in other K_{OW} based

models but is typically not a cause for concern since this represents the least toxic of the compounds.

The resulting solvent coefficients, genera CTSC, and standard errors are listed in Table A.3. For each MoA, the number of model parameters will vary based on the number of genera with available toxicity data and based on the number of significant Abraham solvent parameters. Figure **2-6** shows a comparison of the Abraham solvent parameters for the significant MoA.

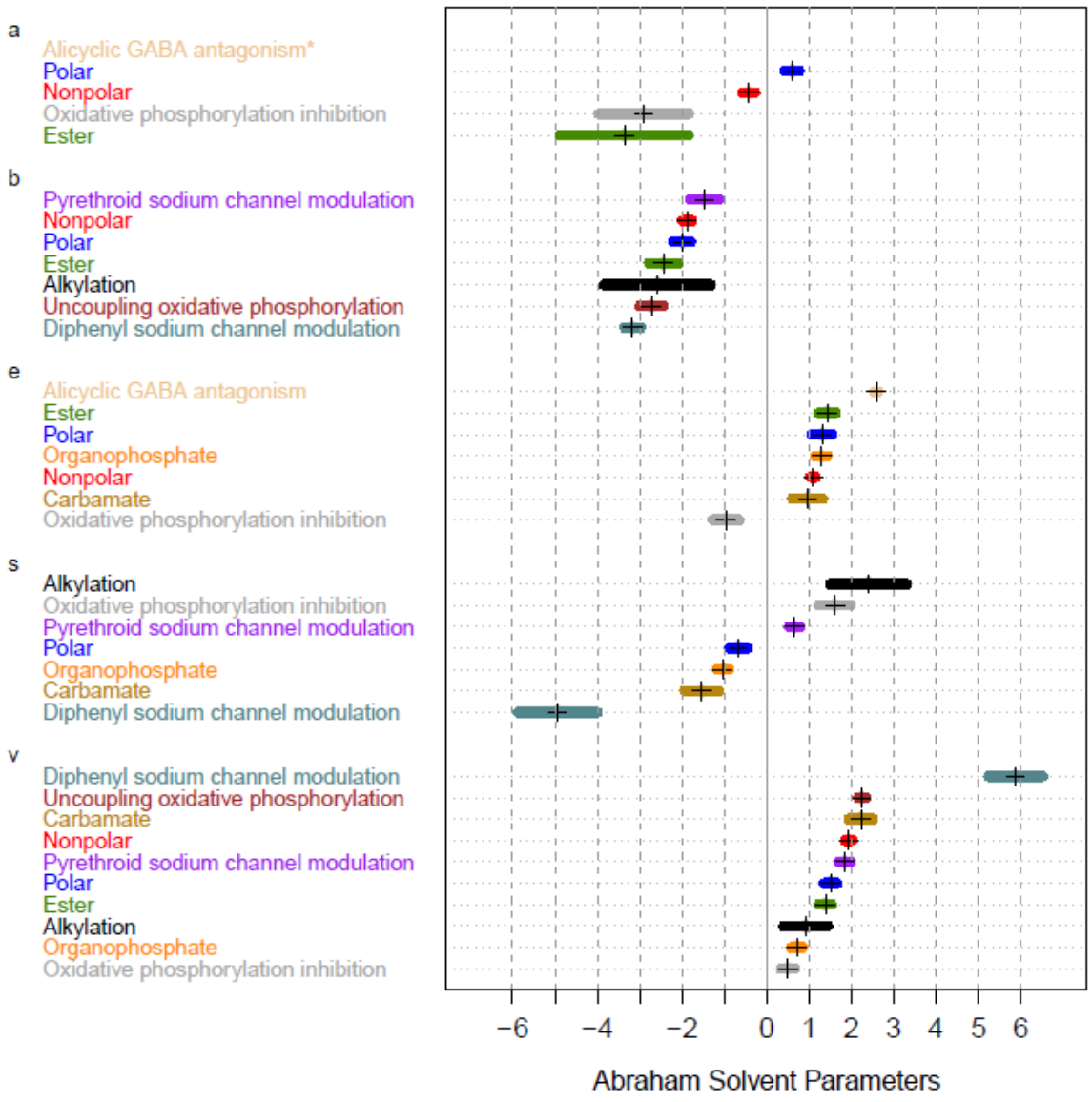


Figure 2-6. Comparison of solvent coefficients determined for each of the MoA models. Note that *a* for Alicyclic GABA antagonism is omitted from the plot due to the large magnitude.

The vertical markers and colored bars represent the mean and range of the standard error. The Abraham solvent parameters *e* and *b* for nonpolar and polar narcosis MoAs have overlapping standard error range, which confirms the similarity of these MoAs.

However, the hydrogen bond accepting parameter (*a*), the volume effect (*v*), and the CTSCs differ. Therefore, these two MoAs are treated as distinct whereas the previous ppTLM treated them as the same MoA.[15] The parameter ranges for *e* and *v* overlap for ester and polar indicating that the dispersive and volume effects of these compounds at the target (membrane lipid) can be similar. There is a high degree of variability is evident in *s*, polarizability, across MoA. This suggests that polarizability and the dipole interactions could be a key parameter for discrimination.

The solvent coefficients have a wide variation in magnitudes. It is interesting to compare to the available solvent parameters in the UFZ LSER database which has Abraham solvation parameters for solvent-solvent, solvent-water, and biomaterials and includes a database of approximately 3,700 compounds.[68] All MoA coefficients (*a*, *b*, *e*, *s*, and *v*) were within the range of the UFZ LSER database with one exception: the diphenyl sodium channel modulation model. This model had limited data relative to the number of fitted parameters. Nonpolar and ester narcosis required 4 Abraham parameters to describe the interaction with the target phase (lipid), while polar narcosis utilized all 5 coefficients. Interestingly, the less toxic MoA typically required more coefficients than the specifically acting compounds. Increased number of descriptors for predicting narcotic toxicity has been seen in literature in similar models.[38, 69, 70] The three subsets of narcosis along with oxidative phosphorylation inhibition had either 4 or 5 significant Abraham parameters, while the other MoA had 2 or 3.

Both groups relating to acetylcholinesterase inhibition (organophosphates and carbamates) require the same 3 Abraham parameters, *e*, *s*, and *v*, substantiating the similarity in this mode of action. This is logical considering these tend to be large, highly polar compounds. The volumetric coefficient is positive, resulting in a reduced LC50 (increased toxicity) for the larger molecules. This suggests that the larger, more flexible

molecules might have an advantage attaching to the enzyme at the esteric and anionic sites. The *e* and *s* coefficients for the two groups overlap when considering the related standard errors, emphasizing the similarity of MoA. While polarizability is a key component for enzyme attachment, it is unclear why *e* and *s* have opposing effects. This could be linked to the cross-correlation that exists in these terms.[71]

All MoA except alicycle GABA antagonism required the volume term. The coefficients for alicyclic GABA antagonism MoA are quite different than the other groups. This group includes large, organochlorine molecules and the *A* (H-bond donation) parameter is of the order of 10^{-3} for approximately a third of the data points. The associated solvent parameter, *a*, is a significant interaction for this MoA, so the resulting solvent coefficient is of the order 10^{2}, whereas other groups are less than 5. The final model includes 9 genera and two Abraham parameters with an RMSE of 0.480. The lack of diversity in the alicyclic GABA antagonism compound group and the potential for error in the estimation of *A* from Absolv could be causing a bias in the regression fit.

Pyrethroid sodium channel modulation and diphenyl sodium channel modulation require the same solvent parameters *s*, *b*, and *v*. Both of these neurotoxicity MoA involve sodium channel modulation and the model selection process independently determined the same coefficients were necessary. This confirms the similarity of the target interactions for these MoA. This modulation interaction with the voltage gated channel is related to the high dipolarizability of these compounds and to specific orientations of the halogens, ester groups, and ring structures. The *s* coefficient has opposite effects for these two groups. The polarizability interaction increases toxicity for the pyrethroid group while decreasing it for the diphenyl group, suggesting that the higher degree of symmetry in the diphenyl group may be leading to the difference. The molecules in the modulation groups are mostly large and lead to increased toxicity (lower LC50). The *b*

terms are similar suggesting that the ability to donate a hydrogen bond is key for sodium channel interaction. It is noted that limited data for the diphenyl group did lead to increased errors in the coefficients.

The model residuals (predicted – observed LC50 values) were analyzed to ensure no trends were evident. Figure **2-7** is shows the residuals by mode of action and by Abraham solute parameters.

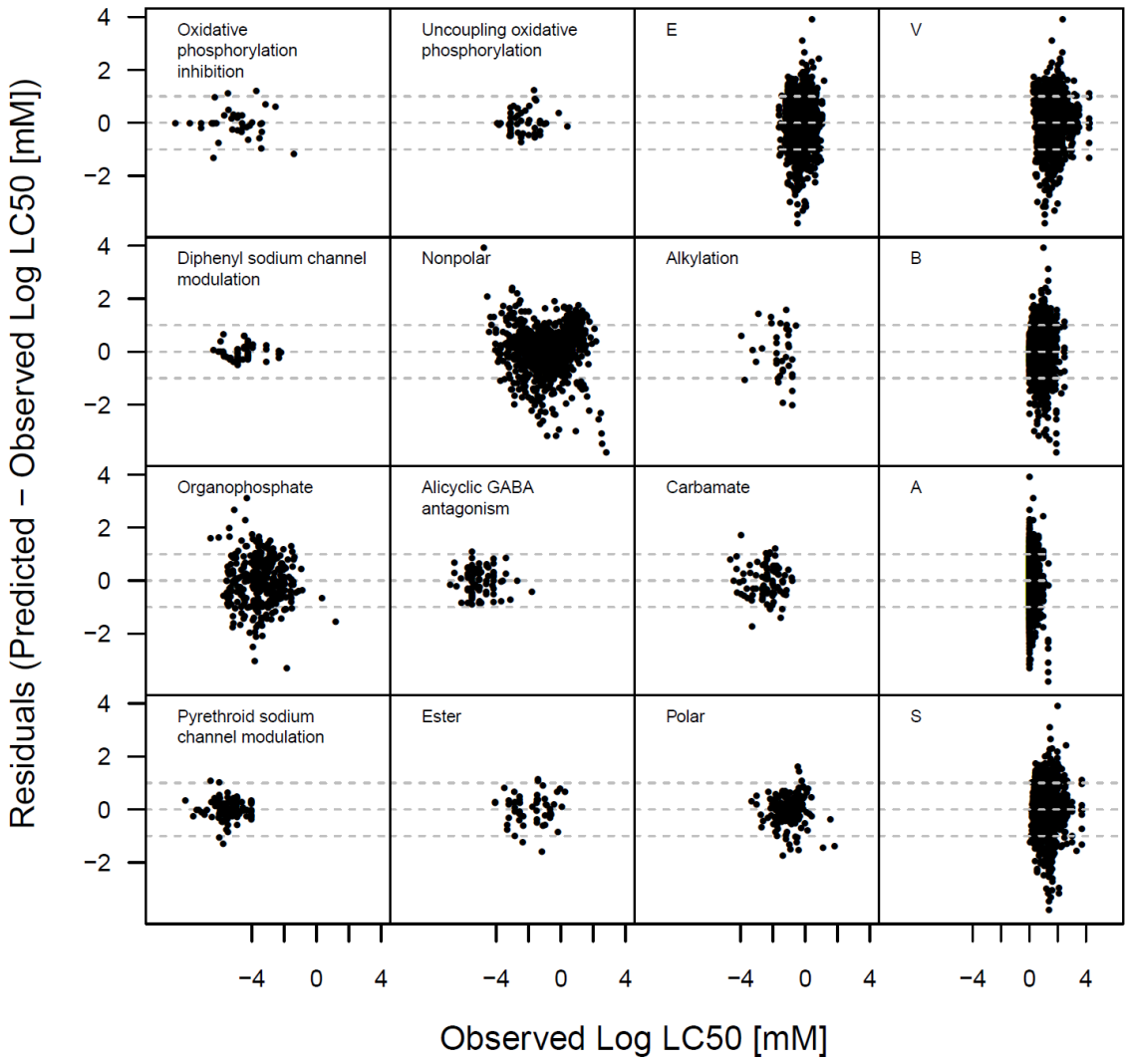


Figure 2-7. Cross plots of the model residual values subset by mode of action and chemical solute parameters. Note that units for MoA LC50 residuals are mM, while the Abraham parameters are unitless (but kept on the same scale for convenience).

Residuals were grouped by mode of action, Abraham parameter, and genera (not shown due to the number of plots) and no clear trends were determined. This checks that no particular mode of action is associated with a high rate of error or model bias. Residuals

are approximately the same for all Abraham solute parameters suggesting there is no specific coefficient relating to increased error.

Cross plots of the Abraham solute parameters for each separate MoA model were created a subset of which is shown in Figure **2-8**.

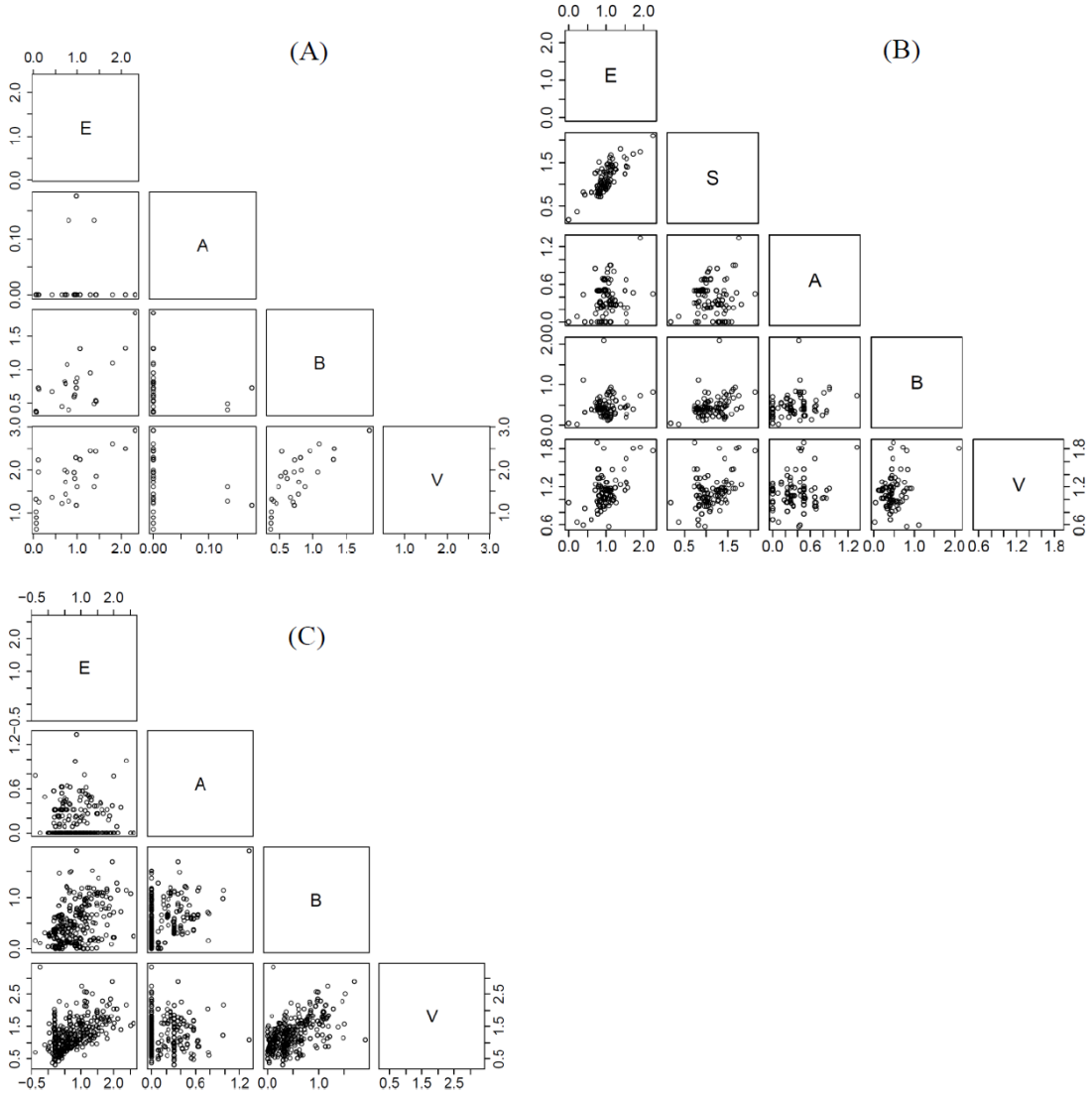


Figure 2-8. Cross plots of Abraham solute parameters for compounds in the MoA groups of (A) ester, (B) polar, and (C) nonpolar narcosis.

Ideally, there is no correlation among these variables so that each one has maximum impact on model performance. Correlation between the features implies that one variable could be dependent on another variable, providing only minimal reduction in model error. Most plots showed negligible correlation of the parameters used in the final models. However, there was correlation noted in coefficients of the three narcosis MoA: ester, polar, and nonpolar. Polar narcosis showed correlation between *E* and *S*. Ester and nonpolar showed correlation between *B* and *V*. The relationship between *E* and *S* is expected, as both are measures of polarizability and there is some overlap in how the terms are defined.[71] There is less correlation between *B* and *V*, but still a relationship is notable.

The separation of the CTSC from chemical specific Abraham parameters allows for the model to be easily updated with new genera since the solvent coefficients are pre-determined. When comparing the three narcotic MoA (nonpolar, polar, ester) models to the original ppTLM coefficients, there were similar trends. For *e*, *b*, and *v* all three narcotic MoA had the same sign and comparable values to the ppTLM parameters. The polarizability coefficient, *s*, for polar narcotics was a negative sign for the ppTSM while the ppTLM had a positive value. Because the ppTSM includes models for the specific groups of narcosis, it is not surprising that the polar subset would describe a different polarizability interaction. The hydrogen bond acidity parameter, *a*, is positive in the ppTLM and for the polar ppTSM, but the nonpolar coefficient is negative. This is most likely due to adjustments made in the Absolv program performing the solute coefficient estimates.

The genera CTSC for the four MoA models with the most data, along with ester narcosis, are presented in Figure **2-9**.

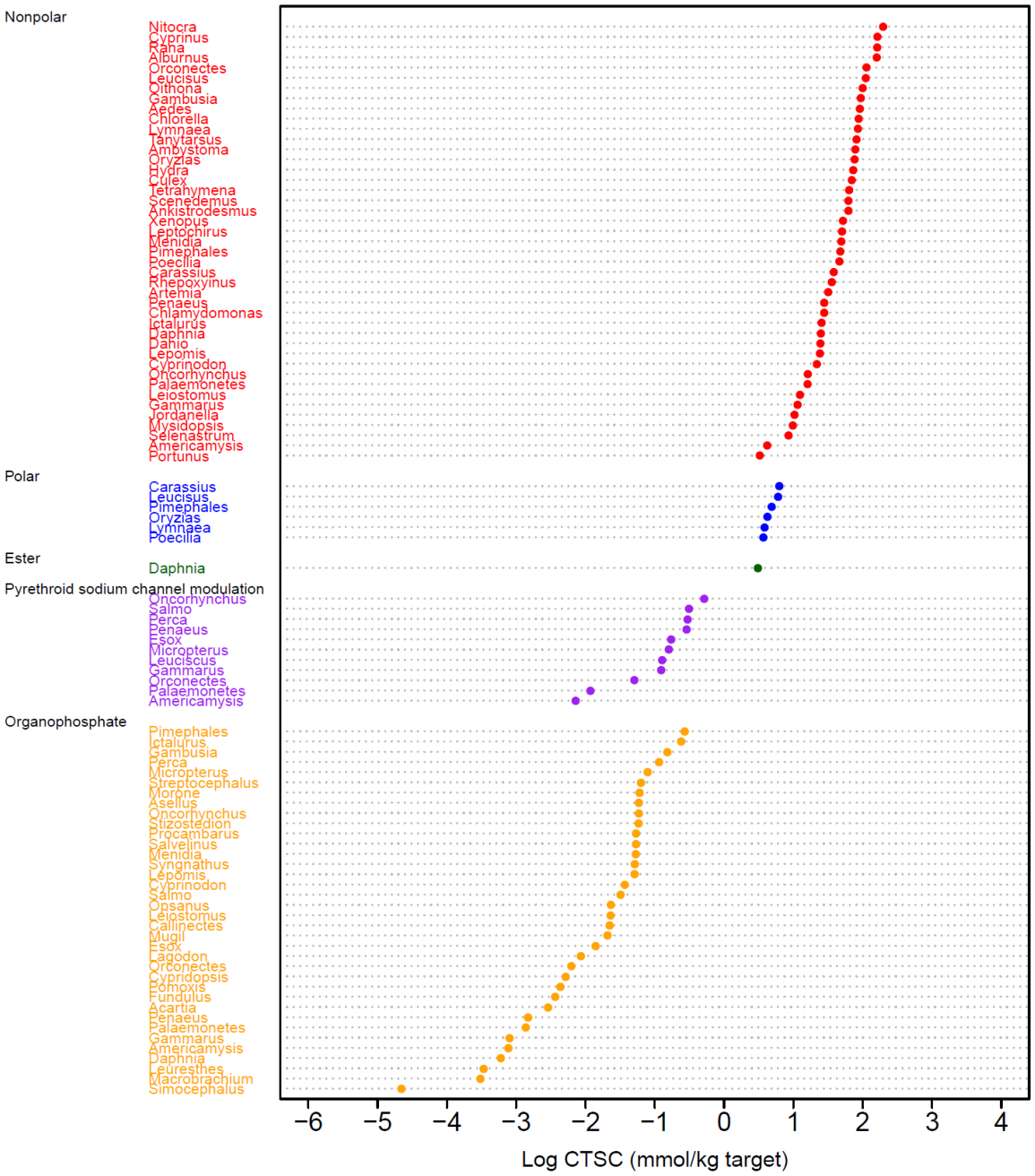


Figure 2-9. Comparison of Log (CTSC [mmol/kg target]) values determined from the TSM ppLFER equation for five groups (nonpolar, polar, and ester narcosis, pyrethroid sodium channel modulation, and organophosphates).

Species sensitivity distributions (SSD) are cumulative probability distributions fit to a data set with enough representative organism data. The genera from each MoA were fit with a loglogistic cumulative distribution function to determine the 5^{th} percentile. The nonpolar narcosis model has the largest number of genera (43), but the range for CTSC is approximately only two orders of magnitude. By contrast the organophosphate CTSCs range over almost four orders of magnitude with a gap between the minimum and next largest of one order of magnitude. This MoA has 36 different genera, including fish and crustacea. The range for pyrethroid sodium channel modulation CTSC values overlaps the organophosphate group but includes different genera. The six remaining CTSC distributions with less data are included in Figure **2-10**.

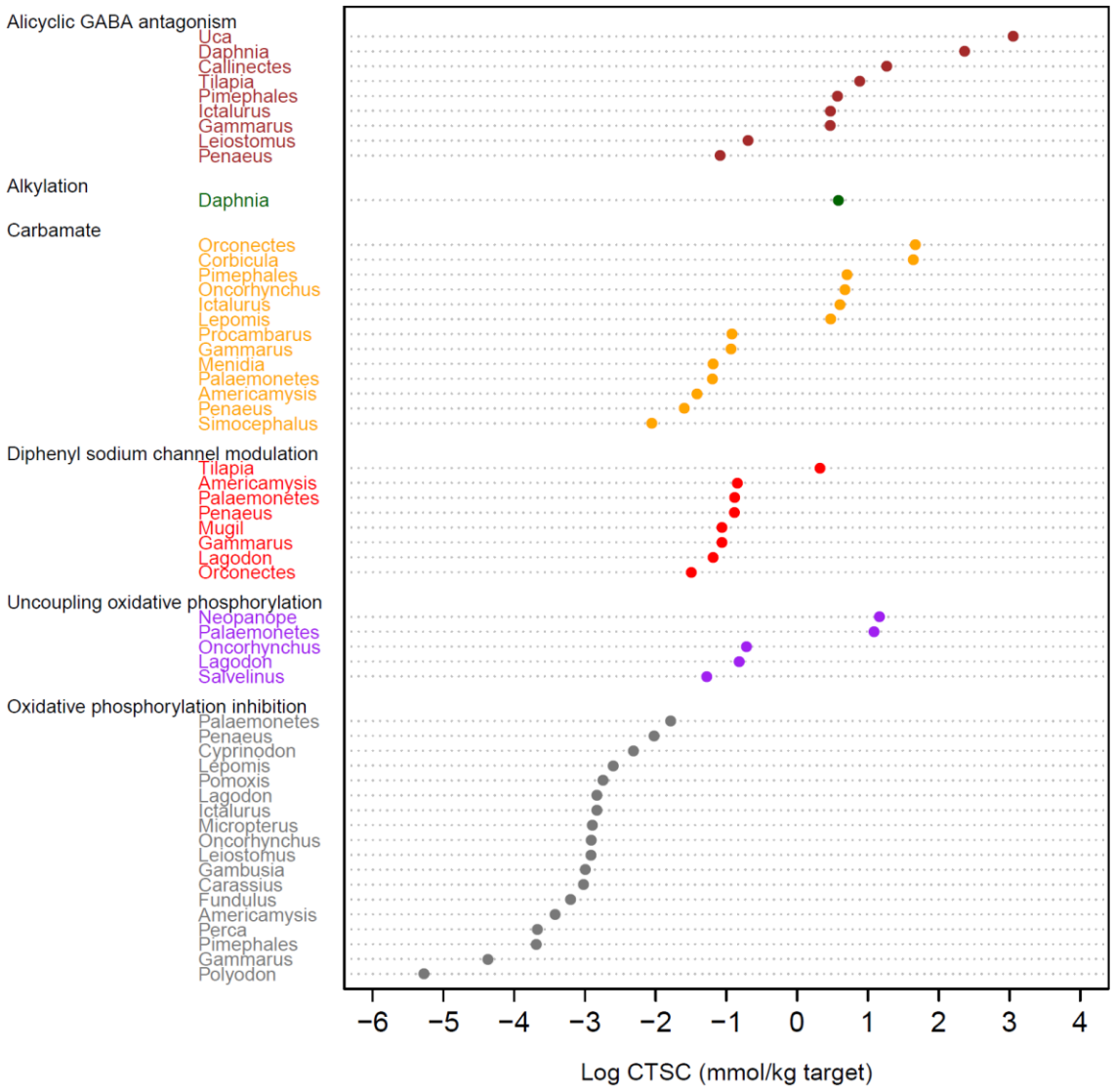


Figure 2-10. Comparison of Log (CTSC [mmol/kg target]) values determined from the TSM ppLFER equation for six groups (alicyclic GABA antagonism, alkylation, carbamate, and diphenyl sodium channel modulation, uncoupling oxidative phosphorylation, and oxidative phosphorylation inhibition).

This illustrates the wide range of toxic effect across the various MoA, with organophosphates and oxidative phosphorylation inhibition at the lower end of the range with Log CTSC values as low as approximately -6 (mmol/kg target). Comparing Figures

2-9 and **2-10**, the nonpolar narcosis distribution has the highest concentrations. The standard errors for CTSC values range up to approximately 50%. Some of the specific MoA have gaps in the genera distribution, including carbamates, diphenyl sodium channel modulation, and uncoupling of oxidative phosphorylation. It is possible some of these points are outliers, but it could also just be a gap in the genera coverage. This highlights the ability of the models to assess LC50 for mollusks, fish, and crustacea across a wide variety of genera. The range for diphenyl sodium channel modulation and for oxidative phosphorylation are approximately two orders of magnitude. The limited number of ester and polar narcosis CTSC are close to the range of the nonpolar narcotics. Using these plots, it is clear which MoAs require experimental data using other organisms to expand the range of applicability and to allow for criteria limit calculations. The model accommodates for the fact that genera are affected differently by various MoA. For example, *penaeus* has a CTSC of 0.885 umol/g target for nonpolar narcosis, -0.540 umol/g for pyrethroid sodium channel modulation, -1.596 umol/g for carbamate AChEi, and -2.828 umol/g for organophosphate AChEi. The distribution of the genera CTSC differed per MoA, meaning there was no genera that was consistently the lowest or highest value. This highlights the necessity of the MoA specific CTSC to accurately predict LC50 and emphasizes the coverage/applicability of the model.

Initial regression models for this work included an additional parameter to estimate information on the reactivity of the compounds. The energy associated with the lowest unoccupied molecular orbital (LUMO) was selected for this purpose. Values were calculated using Gaussian 09.[72] Testing showed the including this extra parameter only slightly improved the fit of the model and it reduced the number of available data points because LUMO values were not determined for all compounds. Table **2-3** shows a comparison of the early model results with and without the LUMO energy estimates.

Table 2-3. Comparison of initial MLR models with 5 Abraham parameters and with 5 Abraham parameters as well as LUMO energies.

	Abraham parameters				Abraham parameters + LUMO			
MOA	RMSE	No. Data Points	No. Genera	No. Variables	RMSE	No. Data Points	No. Genera	No. Variables
Polar	0.661	113	4	5	0.655	106	4	6
Carbamate	0.639	91	32	5	0.619	91	32	6
Nonpolar	0.925	415	22	5	0.864	362	21	6
Alicyclic GABA antagonism	0.458	51	25	5	0.458	51	25	6
Ester	0.483	48	11	5	0.349	25	8	6
Diphenyl sodium channel modulation	0.223	44	26	5	0.223	44	26	6
Organophosphate	0.915	330	43	5	0.914	269	41	6
Pyrethroid sodium channel modulation	0.537	103	26	5	0.545	83	26	6

Since these values are determined using computational chemistry, the final version of the model focuses on Abraham parameters which are more easily acquired.

To validate the models, the compounds associated with each specific MoA were randomly split into a train and test set with 4/5 (80%) assigned to training. Only 3 MoA had enough data to run the analysis without overfitting. The results for nonpolar narcosis, organophosphates, and polar narcosis are in Figure **2-11**.

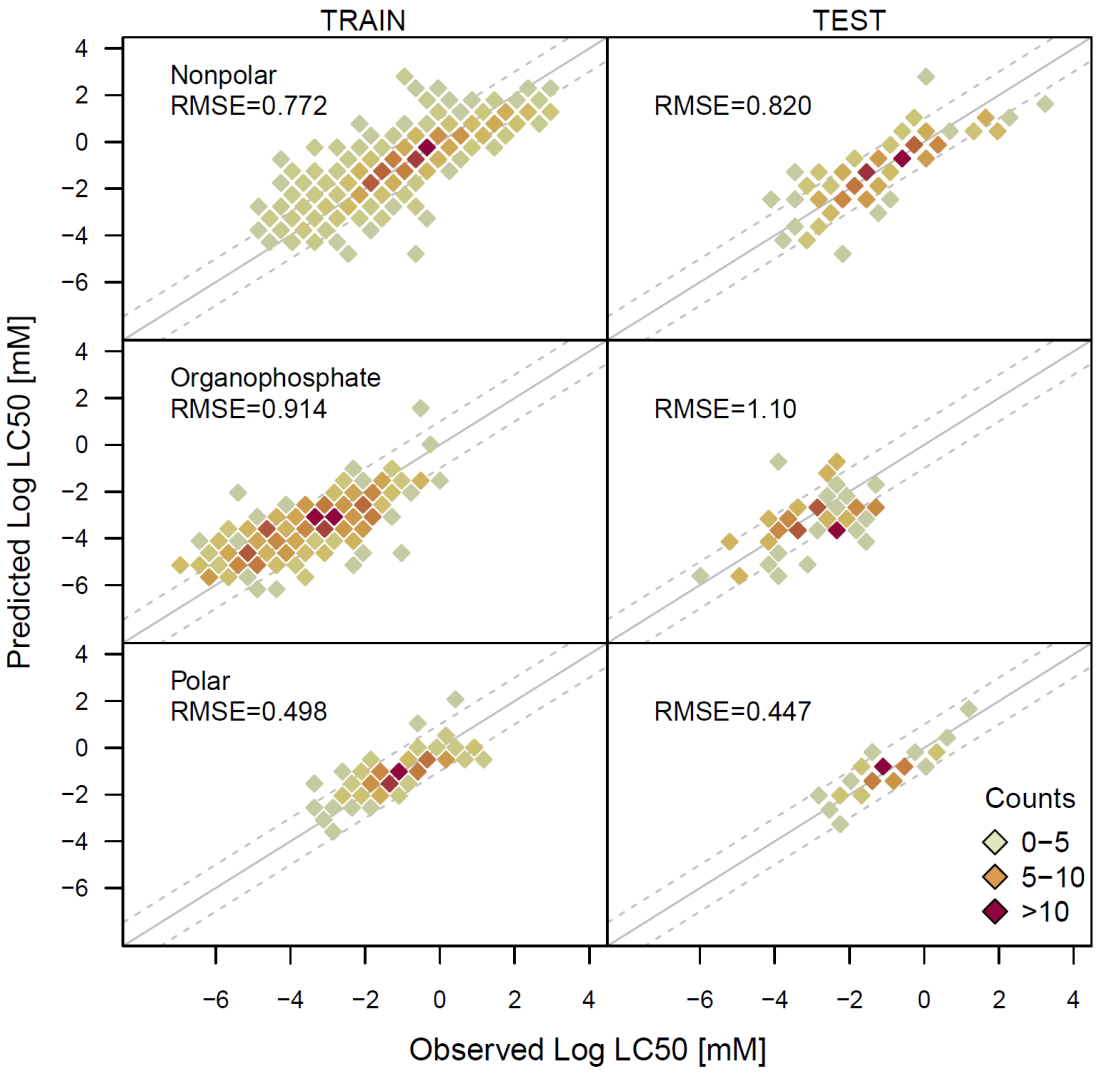


Figure 2-11. Train and test regression results for the three MoA with the most associated data. The compounds in each group were randomly assigned to either train (80%) or test (20%) the model. The results are closely aligned with the initial model outcome.

The solvent regression coefficients determined from the training set were within the standard errors of the original (full database) model parameters listed in Table A.3. The test predictions for the compounds screened from the original train set resulted in an RMSE for nonpolar narcosis of 0.820. The RMSE for organophosphates and polar

narcosis were 1.10 and 0.447 respectively. This serves to validate the initial model results, indicating there is no strong dependence on any particular chemical for parameter determination.

This model can be used in combination with a Final Acute Value (FAV) to establish criteria limits to protect 95% of aquatic species. In Eq. (2-4), FAVs would be used in place of the CTSC to calculate a criteria limit. Probability distributions of the Log (CTSC) were determined for each MoA and the bottom 5^{th} percentile concentration was estimated. Due to the complex nature of the distributions, three of the fitted estimates were adjusted to maintain 95% protection. The determined FAV are listed in Table **2-2**. Figure **2-12** shows the predicted LC50 estimates for all compounds in the model database using the associated FAV for each MoA.

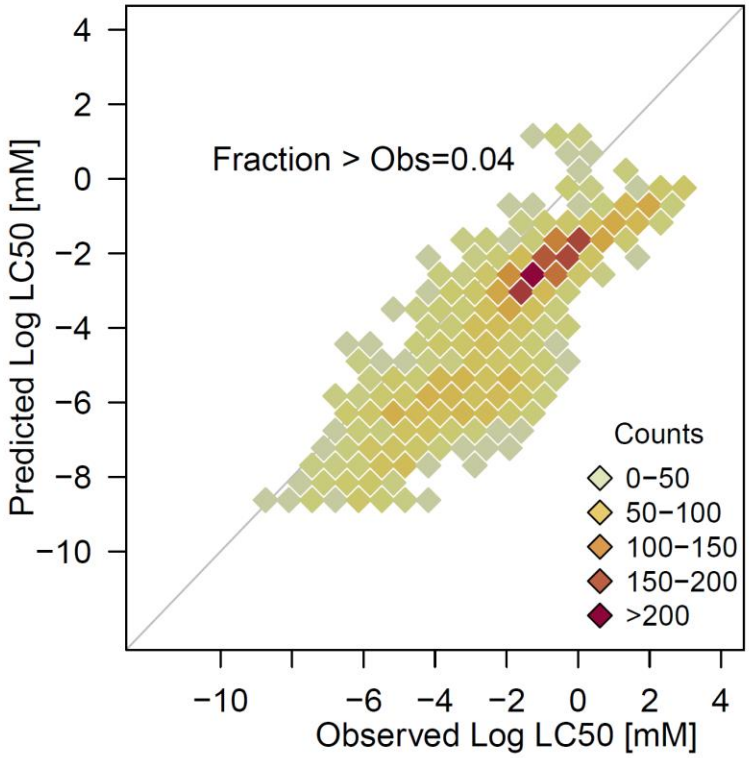


Figure 2-12. Predicted LC50 estimates using calculated Final Acute Values in place of CTSC for all compounds in the model database. The fraction of predicted LC50 values exceeding observed LC50 values is 0.04. Associated FAV limits for each MoA are listed in Table **2-2**.

The fraction of predicted LC50 values exceeding observed LC50 values is 0.04. The log normal cumulative probability distribution of the model residuals from FAV analysis indicates the range of the residual error. This indicates approximately 80% of the data would be two orders of magnitude or less from the experimental LC50.

2.6 Implications

Adverse Outcome Pathways provide the most coherent foundation for MoA labeling and the work to develop and refine these is ongoing. Free public access to

online data repositories would serve the future of model development. With an emphasis on reducing animal testing, a growing number of chemicals to assess annually for marketplace entry, and limited resources, mechanistic screening models like this will be increasingly useful. Future work would involve supplementing the existing information for MoA that have limited representation. This will refine the solvent coefficients and body burden values. Additional compounds and toxicological data for pyrethroid sodium channel modulation, uncoupling and inhibition of oxidative phosphorylation, and acetylcholinesterase carbamates would be logical next target areas. It is important to note that the error inherent in the experimental values for a specific genus and MoA pair can vary over two orders of magnitude. This occurred more frequently in the AChEi dataset. For example, the ECOTOX database includes malathion data for static 96 hr. mortality tests. These 3 points range from 4.1 ppb to 170 ppb.[59] As a result, model results cannot be expected to improve beyond this range for specific compounds. Detailed recordkeeping and reproducibility can help to minimize the variation in experimental results moving forward. The methodology explained here for MoA specific aquatic toxicity prediction is easily adapted and expanded to include additional MoA and species and it is designed to work in conjunction with a predictive model for MoA assignment.

Chapter 3

PREDICTING MODES OF TOXIC ACTION FROM FEATURE WEIGHTED k-NEAREST NEIGHBORS METHODOLOGY

3.1 Introduction

Models utilizing mode of action classification have improved predictive capabilities when compared to non-specific models.[1-4] A discrimination model was developed to classify compounds into specific MOA groups using Abraham solute descriptors determined from Absolv.[60] Initial testing was conducted to assess the inclusion of an additional reactivity parameter. LUMO, HOMO, excited state, and oscillator strength values were determined using computational chemistry and were tested within the discrimination model. None of the parameters provided significant improvement to justify inclusion. Multiple separation techniques were explored including support vector machine analysis, linear discrimination analysis, convex hull modeling, and k-nearest neighbors classification. Statistical analysis proved k-NN to be the most effective technique with k=3 in a voting algorithm. Work was done to optimize the final k-NN model by testing various k values, distance weighting measures, and feature weighting options. Optimized feature weighted parameters improved model performance and were utilized in the final version of the model. The classification model is designed to work in conjunction with the multilinear regression models developed in Chapter 2. Once an MoA is assigned, the corresponding ppLFER from the TSM would be utilized to predict the acute aquatic toxicity value, LC50. Final toxicity estimates using this procedure show the predictive capability to be within one log unit for unseen (test) data.

3.2 Discrimination Model Approach & Development

The curated database from the TSM is utilized for the subsequent mode of action discrimination analysis. The MoA labels from that compilation are considered to have a high degree of confidence and will be used in a train and test validation process. The procedural flow diagram in Figure **3-1** details the sequence of steps estimating acute aquatic toxicity from the selected chemical descriptors.

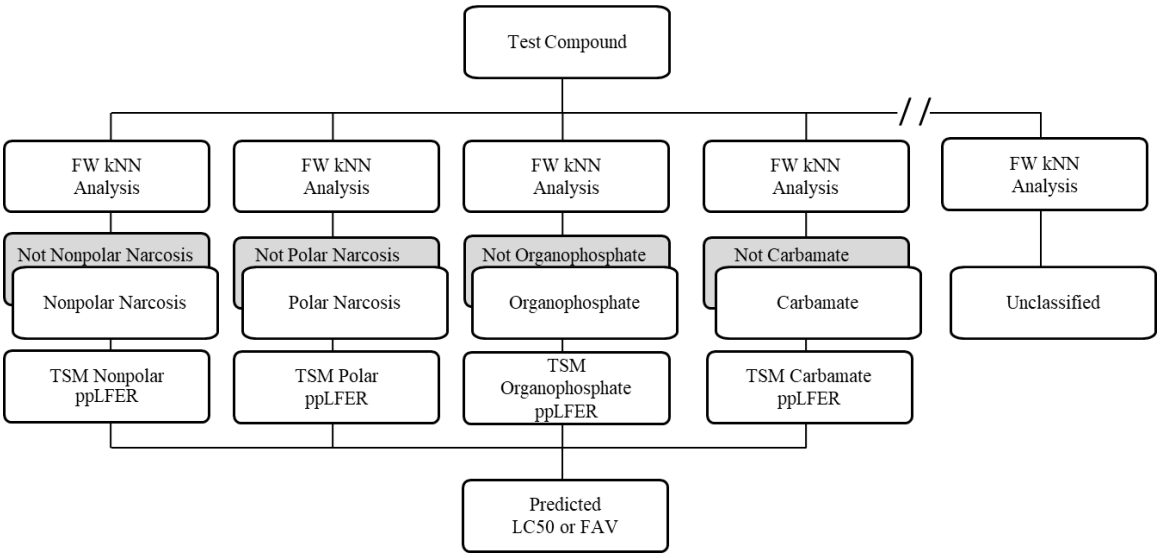


Figure 3-1. Procedural flowchart for estimating aquatic toxicity for diverse class of compounds and genera. Abbreviated to only 4 MoA for visual purposes, the remaining 7 MoA follow the same procedure. Not pictured: pyrethroid sodium channel modulation, alkylation, alicyclic GABA antagonism, ester narcosis, uncoupling of oxidative phosphorylation, oxidative phosphorylation inhibition, and diphenyl sodium channel modulation.

The classification technique is designed to be a binary test. The test compound will be assessed using each MoA model separately, in any order. It will be labeled as either positive for that MoA (e.g. 'Nonpolar Narcotic') or not in that group (e.g. 'Not a

Nonpolar Narcotic'). This will result in 12 possible labels for each compound including 'Unclassified' which means the compound was not grouped with any specific MoA label. This ability to label a compound as 'Unclassified' is a key feature of the model and is the reason the binary testing route was selected as opposed to one-against-rest. An ideal classification result for the test compound would include one positive MoA label and all other classifications confirmed as 'Not' in that group. This model can result in compounds predicted to have more than one associated MoA. This can be accounted for with a degree of certainty label.

Once an MoA label is assigned, the associated Target Site Model ppLFER is utilized to calculate the LC50 value for the desired organism. Critical target site concentrations (CTSC) are available for a range of aquatic organisms depending on the mode of action. If the CTSC is not determined for the organism in question, the FAV for 95% species protection can be employed instead. Using this to estimate a toxicity guideline ensures that at least 95% of organisms will have predicted LC50 values lower than the experimental values.

A key parameter used to determine model effectiveness for a binary system is the F_1 score.[41] This measure is calculated using Eq. (3-1).

$$F_1 = 2 * \frac{1}{\frac{1}{Recall} + \frac{1}{Precision}} \tag{3-1}$$

where recall and precision are defined from the confusion matrix as follows

$$Recall = \frac{tp}{tp + fn} \tag{3-2}$$

$$Precision = \frac{tp}{tp + fp} \tag{3-3}$$

where *tp* = number of true positives (correct identification as a member of the group), *fn* = false negatives (Type II error, predicted not to be a member of the group when in fact it is), and *fp* = false positives (Type I error, predicted to be a member of the group when it is not). Recall is thought of as the percent correct as it is the ratio of the true positive (*tp*) guesses to the total guesses for that group (*tp* + *fn*), the sum of the true positives and false negatives (*fn*). For example, consider a set of 10 compounds all of which are observed to be nonpolar narcotics. If the model predicts that 8 of them are nonpolar narcotics (*tp* = 8) and 2 of them are not when in fact they are (*fn* = 2), the recall would be 0.80 or 80%.

It is also important to consider the precision statistic because it normalizes by the number of guesses made in that group (true + false positives). For example, consider the case where 40 compounds are evaluated and 10 are nonpolar. If the model predicts that all 40 are nonpolar, *tp* = 10, *fn* = 0 and recall = 1.0. However, since *fp* = 30, the precision statistic would be *tp* / (*tp* + *fp*) = 0.25 or 25% in contrast to the recall = 1.0 or 100%. To account for the importance of both statistics, the F_1 score is the harmonic mean of the values. If either the recall or the precision is small, then F_1 approaches the smaller value. For this example, $F_1 = 0.4$.It is assumed that precision and recall are equally valued.

3.2.1 Chemical Descriptors

To successfully model the MOA and toxicity of a chemical, its physio-chemical descriptors are required to characterize the compound and its potential interaction with the target site (lipid, enzyme, protein, etc.). Previous work[37, 70] has developed models based on a number of either 2D or 3D descriptors. These were chosen based solely on the resulting fit of the model. The difficulty with this type of approach is that the resulting combination of the parameters is not easily interpreted and may include some

redundancy or potential covariance. The choice of parameters employed in this work is linked to established models using thermodynamic principles and is limited in number to promote chemical interpretation. For this reason, the model has been developed using Abraham solvation parameters.

In 1993, M. H. Abraham presented a set of parameters to describe the interactions between a chemical and a solvent system, shown in Eq. (3-4).[48, 49] The result quantifies the steady state partition coefficient K of a compound and two solvents, one of which is usually water.

$$Log\ K = c + eE + sS + aA + bB + vV \tag{3-4}$$

The uppercase letters in Eq. (3-4) describe the characteristic properties of the solute and the lower-case letters represent the complimentary solvent effects. The model is restricted to concentrations of the compound that are relatively small, so that the solvent system is not affected. Nonspecific interactions between the compound and the solvent are captured in the parameters *E* and *S*. The solute parameter *E* is a measure of the strength of the dispersive force. It was originally determined using excess solute molar refraction and it provides an estimate of the tendency of the compound to interact with a solvent phase through pi - or n - electron pairs.[48, 73] These effects are created by exposure to a fluctuating electric field and are considered to be induced dipole-induced dipole interactions. The *S* solute parameter is a measure of dipolarity or polarizability, or the ability of a compound to stabilize a charge. It results from dipole to dipole interactions or dipole to induced-dipole interactions. The volume of the molecule, *V*, is important for determining the energy required to form a cavity in water relative to the other solvent. The McGowan volume estimate, involving the sum of atom and bond contributions, is used to calculate this parameter.[74] Understanding the ability of a compound to accept or

donate a hydrogen bond is key, particularly when the solvent phase is water. These specific polar interactions are described by parameter *A*, which denotes the ability of the solute to donate a hydrogen bond (H-bond acidity), and parameter *B*, which represents the ability of the compound to accept a hydrogen bond (H-bond basicity).[48, 49, 74] The lowercase letters measure the complimentary effects of the solvent system. Estimates of these parameters are determined using a fragment based approach in AbSolv by Percepta.[60] This program considers the different functional groups of a molecule and totals the effects of each to obtain an overall value for the compound. Abraham linear solvation energy relationships have been developed for over 400 different systems including solvent/water, solvent/air, solvent/solvent, biomaterials, and carbonaceous sorbents and are successfully used in a variety of environmental engineering applications.[68]

3.2.2 Discrimination Techniques

There are a variety of statistical techniques available for data classification, and it is necessary to determine the most effective and efficient method for this application. Initial testing used linear discrimination analysis and a selection of nonlinear classification techniques. After the k-nearest neighbor (k-NN) method was selected, tests were conducted to find the optimal k value, distance weighting, and feature weighting.

3.2.2.1 Linear Discrimination Analysis

This method assumes that the data are linearly separable, i.e., there is a linear relationship between the independent variables and the categorical dependent variable, and that the sample size is sufficiently large and diverse to represent the overall population.[75] The objective of linear discrimination analysis (LDA) is to find a

separating line or hyperplane that maximizes the difference between the group means, while minimizing the variance within the class.

The separation equation is a linear combination of the selected parameters, which can be used to calculate a score relating to group assignment. To classify a new data point, the discriminant score Z in Eq. (3-5) is determined using the optimized coefficients (a_1-a_p).

$$Z = a_1X_1 + a_2X_2 + a_3X_3 + \cdots a_pX_P \tag{3-5}$$

The new compound is classified in the group with the nearest mean. Half the distance between the score for the group means would be the cutoff for group assignment. The analysis was performed in R using the *lda*() function in the MASS library.[76]

3.2.2.2 Nonlinear Discrimination Methods

To account for groups that are not easily separable with lines/planes, seven nonlinear methods were tested using the broad classification mode label. These included support vector machines, mixed discrimination, quadratic discrimination, regularized discrimination, flexible discrimination analysis, convex hull application, and k-nearest neighbors. The results indicated k-NN consistently had the highest performance, so it was selected for further analysis.

Support vector machines is an analysis that can involve linear and nonlinear discrimination boundaries. It involves the development of vectors to define the decision boundary of the specific classes. Once the support vectors have been determined, new points are assigned to a group based on their position relative to the vectors.[41] Preliminary testing of this database was performed with support vector machine methodology using the R function *svm*() from the library e1071.[77] This method differs from linear discrimination in that it seeks to define the hyperplanes based on the margin

or edge of the group data, while LDA focuses on the group means of the data. The hyperplane will be positioned so that the linear distance between it and the nearest data is maximized. The hyperplane will be equidistant from points of differing groups.[41]

Four of the nonlinear discrimination techniques are available as functions in R and were tested with the dataset. Quadratic discrimination is an extension of linear discrimination that allows for quadratic curves to create the plane/line of best separation determined by maximizing the distance between groups. This method does not require the common covariance matrix assumption necessary for linear discrimination. The *qda*() function is part of the MASS library in R.[76] Flexible discrimination allows for subgroups within large group classifications and the *fda*() function is from the mda library.[78] While linear discrimination assumes the data is from one normal Gaussian distribution, mixed discrimination allows for multiple Gaussian distributions to be superimposed and accounted for by the model. It allows for more than one group mean and can be applied using the *mda*() function in the library of the same name.[78] Regularized discrimination is available using the *rda*() function in the klaR library and allows for flexibility in specifying the individual covariance matrix.[79]

Convex hulls are geometric regions defined as the smallest volume that contains all the points of the training group. Boundaries are computed using a selection of algorithms that determine the edges of the hull. Group inclusion is decided based on whether the new point is within the hull.[80] The evaluation was performed in R with customized code involving the *lfda*() and *convhulln*() functions from the lfda and geometry libraries, respectively.[81]

3.2.3 k-NN Application & Variations Tested

The k-nearest neighbors methodology is a widely used as an effective supervised classification technique. The method is non-parametric with group inclusion calculated for each instance. The k-NN method was tested with any MoA group that contained at least 10 compounds. The data is split into a training set and a test set of compounds for supervised classification. The ratio employed for this analysis was 80/20 and this was maintained for all MoAs. Abraham solute parameters were pre-processed with centering and standardization to avoid effects due to value magnitude alone. Centering involves determining the mean of the data and subtracting that from all values, resulting in a new mean of zero. To standardize the data, the centered values are divided by the standard deviation. This can be performed using the *scale*() function in R.[64] Utilizing a Euclidean distance, the program determines the k closest compounds in 5-dimensional feature space whose axes are the five Abraham parameters. The form of the distance equation for 5-dimensional space for points p and q is described in Eq. (3-6).

$$d(p,q) = \sqrt{(p_1-q_1)^2+(p_2-q_2)^2+(p_3-q_3)^2+(p_4-q_4)^2+(p_5-q_5)^2} \quad (3\text{-}6)$$

The subscripts 1-5 would represent each parameter E, S, A, B, and V. A disadvantage of this method is that it can be computationally expensive, however with the 10^3 data points involved for this analysis run times on a standard laptop were less than 1 minute. The standard k-NN analysis was run in R using the *knn3*() function from the caret library.[82]

There are a variety of options for utilizing the k-nearest neighbors approach. A voting methodology considers all k neighbors equally and assigns the group label based on the majority votes. Assuming k=3, the labels of the 3 closest compounds are considered. With binary separation and an odd number for k, the test point will be given

the same label as the 2 or 3 closest compounds (a majority vote). If k is even, a tie of one vote for each group can result and standard program methods in R choose one of the groups at random which can cause discrepancies in repeatability. With smaller MoA membership, it is essential to carefully consider the value of k to ensure it doesn't exceed the size of the potential local group.

3.2.3.1 k-NN Distance Weighting Application

Another approach is to consider a larger number of neighbors and to weight them based on the distance from the test compound. The basis distance measure used for this application is Minkowski (Eq. (3-7)(3-6).

$$d(p,q) = \left(\sum |p_i - q_i|^p\right)^{1/p} \tag{3-7}$$

Details of the equations used for the weighting calculations are available in Appendix B.1 for the R function kknn() used in this application.[83] Available kernel functions in include triangular, Gaussian, or optimal. The number of neighbors considered can increase to all points in the training set although the impact of larger *k's* diminishes beyond a certain distance from the test case.

3.2.3.1 k-NN Feature Weighting Application

A shortcoming of available k-NN algorithms is that all features are weighted equally which could lead to a less significant variable causing misclassification. Optimized feature weighting has been explored in literature and an algorithm was created in R to utilize this methodology.[84, 85] First, the Nelder-Mead optimization method was used in R with the *optim*() function in the stats library.[86] The code was developed to vary

the parameter values to maximize the associated F_1 score for the analysis of that group. Then the k-NN analysis was applied with the new weighted features

3.3 Results & Discussion

Abraham parameters were selected as the chemical descriptors to discriminate among modes of action. In an effort to provide additional information on the reactivity of the compounds, four other quantum chemical parameters were investigated. The energy associated with the lowest unoccupied molecular orbital (LUMO), highest occupied molecular orbital (HOMO), first excited state, and the oscillator strength were all calculated and tested to determine if model performance improved. Values were calculated using the Gaussian 09 program and time-dependent density functional theory.[72] The first excited state of a molecule is related to a stable energy configuration above ground state. This could result from addition of a photon and can be related to how likely a compound is to react. Oscillator strength information was collected because it estimates the fractional probability that the excited state will occur. The results of including these various parameters are shown in Figure **3-2**.

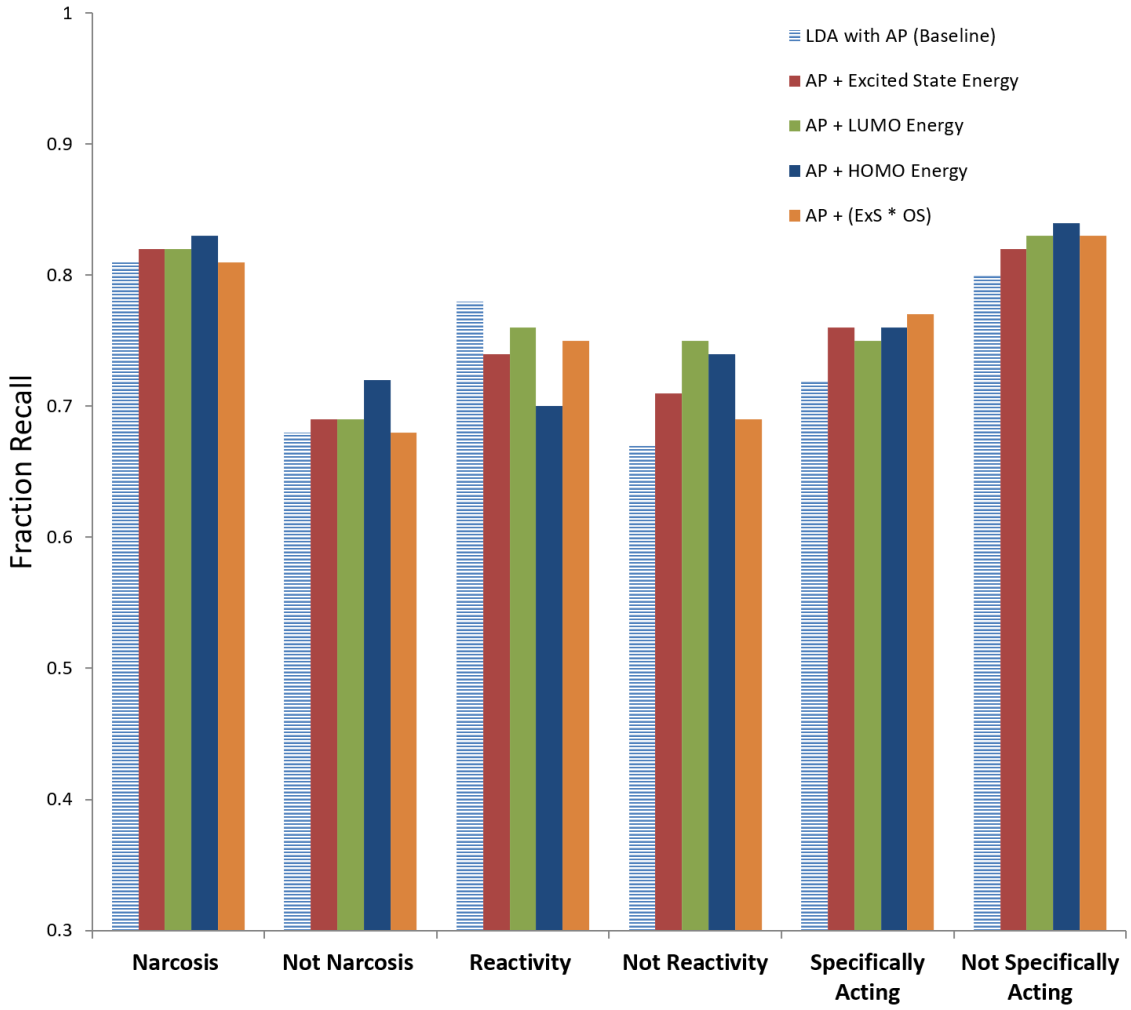


Figure 3-2. Comparison of fraction recall scores (Eq. (3-2)) for linear discriminate analysis for inclusion of additional quantum chemical parameters related to reactivity. Parameters considered include LUMO, HOMO, and excited state energies and the oscillator strength estimate. All values were determined using Gaussian 09.

This initial exploratory work focused on utilizing linear discrimination analysis with fraction recall as the performance measure. The results above are for a leave-one-out cross validation methodology. The number of compounds in each group varies depending on the specific reactivity index due to missing quantum chemical data. Oscillator

strength was included as a multiplier to the first excited state energy since it is a measure of the probability it will occur. Gaussian 09 calculations can often result in an oscillator strength of zero, removing the effect from the model. The additional parameters did not significantly improve performance when compare to the baseline case using only Abraham parameters for the linear discrimination model. Grouped mode of action labels were used here for the preliminary analysis. These labels follow a general assignment for Table A.1 with nonpolar narcosis in the narcosis group, the reactivity group as listed, and the specifically acting group containing AChEi, neurotoxicity, and oxidative phosphorylation. It was concluded that the Abraham parameters are adequately accounting for the interactions that would result in reactivity.

A variety of discrimination methods were considered for this model. Linear discrimination was initially tested but results from principal components analysis of the parameter space indicated a nonlinear method would be more appropriate. Principal components analysis transforms the data to a new orthogonal axes system with uncorrelated variables. The principal components are the linear weighting of parameters. The optimal weights are chosen to explain the largest remaining fraction of the variance and to be orthogonal to the previous component. Figure **3-4** shows the results of the principal components analysis (PCA) comparing decision boundaries for linear discrimination, support vector machines, and k-nearest neighbors classification.

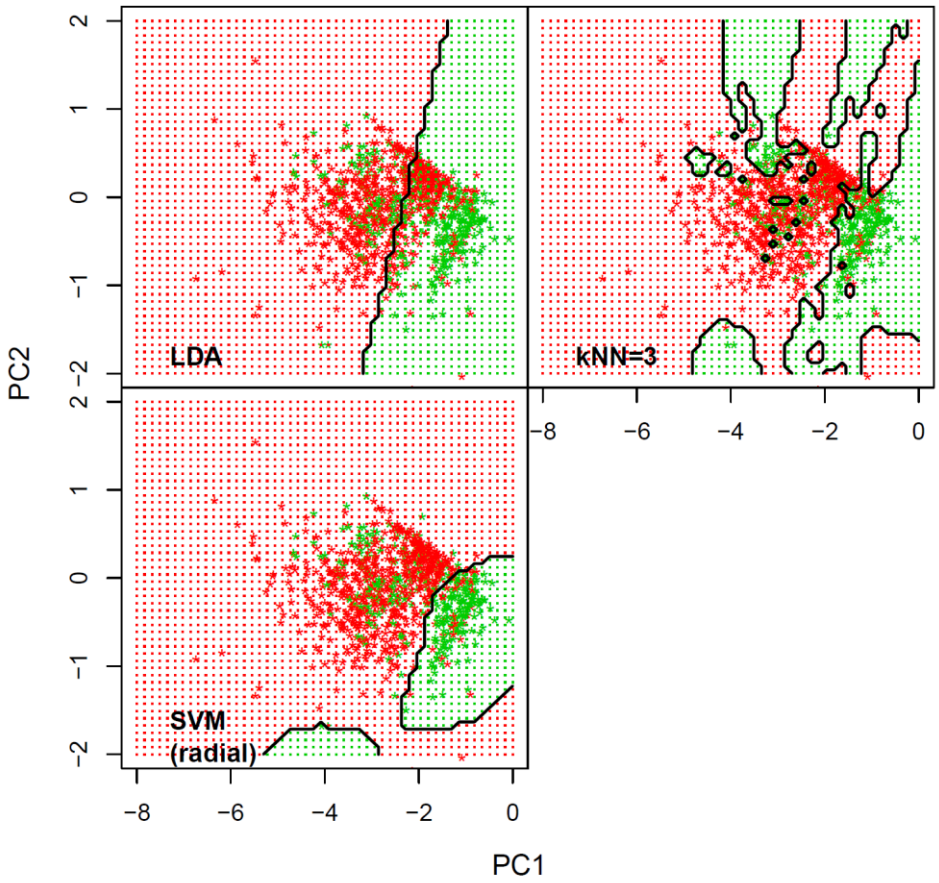


Figure 3-3. Decision boundaries determined for three classification methods for the nonpolar narcosis MoA. Correctly assigned points are the same color as the grid (e.g. red point on red grid is correct, green point on red grid is incorrect). Linear discrimination results in a line with many points labeled incorrectly. Support vector machines is displayed with radial vectors and improved the model, but still misses a substantial number of the green (nonpolar narcosis) points. The k-NN classification method with k=3 shows the ability to refine the borders to maximize data inclusion.

PCA was performed in R to determine the decision boundaries for three methods: linear discrimination, support vector machines, and k-NN classification. The plot is for the first 2 principal components for the nonpolar narcosis mode of action. Correctly assigned points in the plot are the same color as the grid (e.g. red point on red grid is correct, green

point on red grid is incorrect). Linear discrimination results in a line of separation with many points labeled incorrectly. Support vector machines using a radial kernel is displayed which improved the model, but still misses a substantial number of the green (nonpolar narcosis) points. This method required 475 support vectors to separate baseline from excess toxicity classes (not baseline groups). The k-NN classification method with k=3 shows the ability to refine the borders to maximize data inclusion. These plots were made for 14 MoA with largest group membership and the results were similar to the nonpolar narcosis plot above. This indicated a nonlinear methodology would be more appropriate for MoA determination.

Comparison of preliminary results for the nonlinear separation methods are show in Figure **3-4**.

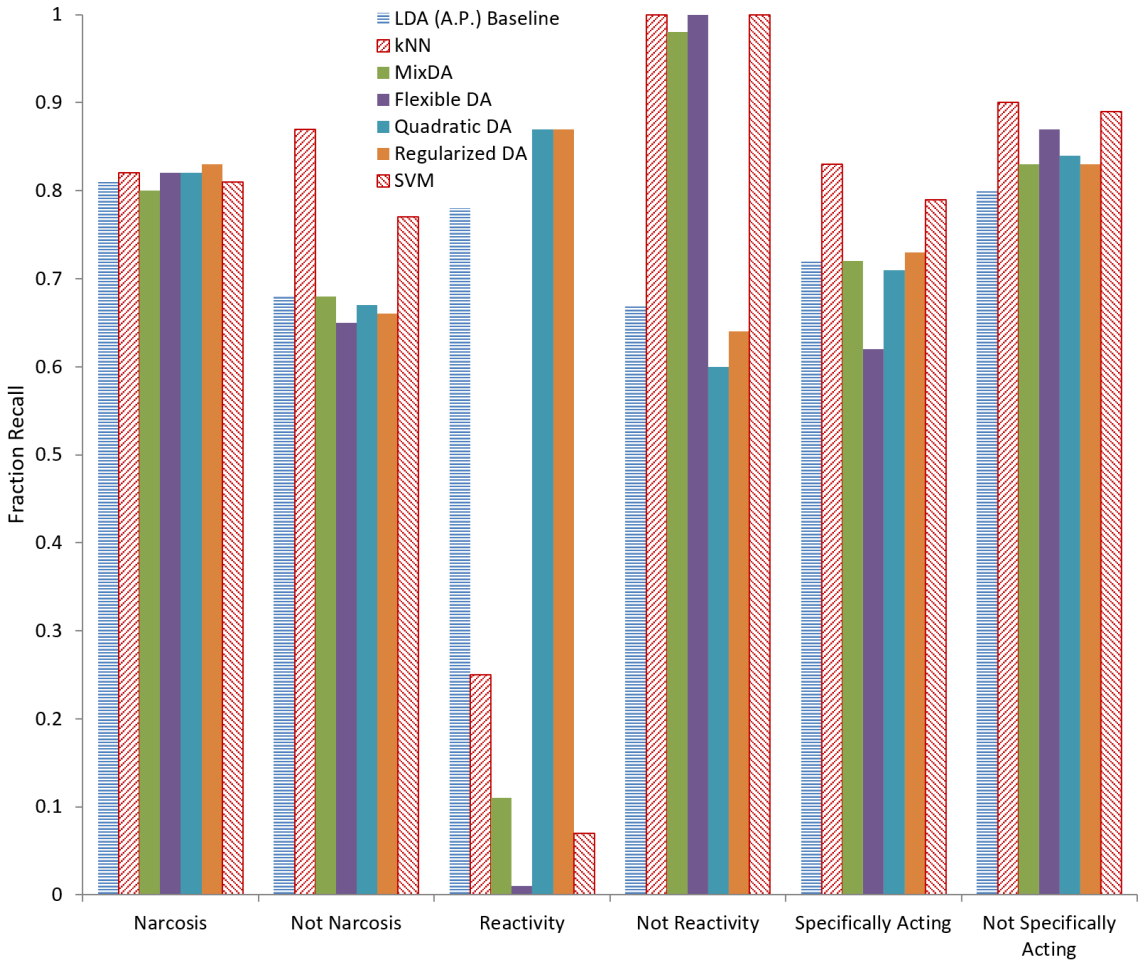


Figure 3-4. Comparison of nonlinear discrimination techniques to linear discrimination. Results are for grouped MoA labels with a leave-one-out cross validation method applied to determine the fraction recall statistic (Eq. (3-2)).

The analysis was conducted using general grouped mode of action labels and the fraction recall statistic (Eq. (3-2)) for a leave-one-out cross validation methodology. The analysis suggests the k-NN classification technique would be the most suitable for model development. Results for the convex hull analysis are not shown here since it was performed with an 80/20 train/test split. Subsequent evaluations of convex hull and k-NN clearly showed k-NN to have improved performance based on the fraction recall.

The k-nearest neighbors method can be modified by varying the number of neighbors considered (k), the train/test percentage, or by applying distance and feature weighting measures to the descriptors. When considering the value of k, it is important to consider the MoA group membership and the minimum data points required for the analysis to perform. For example, if the model considers the 5 closest neighbors to the test point, but the training group membership is only 2 compounds after the split, the model has no chance for success. Another consideration is to use an odd value for k to avoid any chance for a tie when using a voting scheme. Multiple values were tested and k=3 was selected for the final model as it resulted in the highest average F_1 scores and it allows for assessment of the smallest possible MoA groups. Typical percentage splits for the training database range from 60-80%, leaving 40-20% available for testing and model validation.

This analysis was performed using a train/test ratio of 4:1, meaning 80% of the compounds within each mode of action were randomly assigned to the training set and 20% assigned to the test set. For reproducibility, a seed number was set in R before sampling and this was kept consistent throughout the analyses. Figure **3-5** shows results for the test set of compounds (20% of data) for various k-NN techniques with F_1 used as the performance measure.

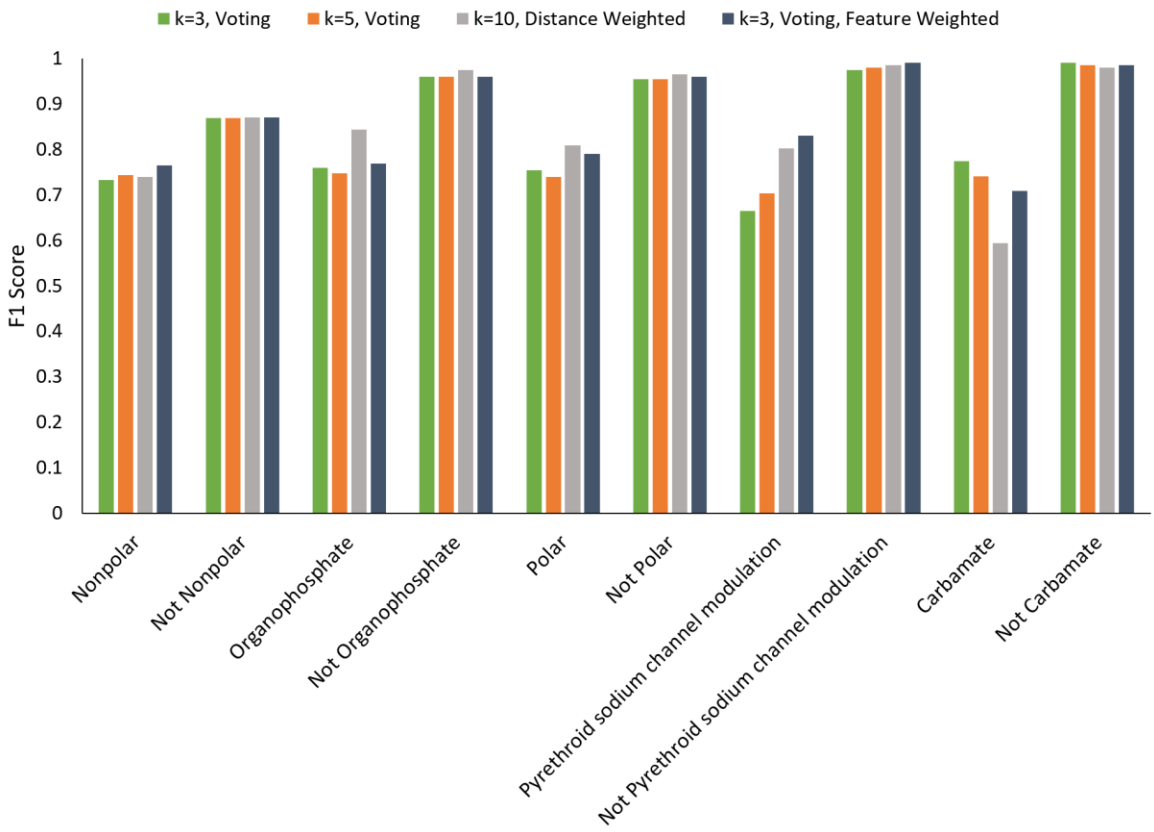


Figure 3-5. Comparison of test set results for k voting methods, distance weighting, and feature weighting techniques. The test set was a random assignment of 20% of the compounds from each MoA. The subset of MoA shown has at least 15 compounds in the test set.

This plot shows two values for k (3 and 5) and for the subset of the MoA plotted there is little variation. Three of the MoA groups tested (alkylation, anticoagulation, and oxidative phosphorylation inhibition) have group memberships of 6 or less. Using k=5 would eliminate the chance for success for the smaller two groups and severely hinder it for the third, so a k value of 3 was selected for model development. The triangular kernel function was used with the distance weighting method with k = 10. Higher values of k did not affect the F_1 measure. The optimized feature weighting method was used with k = 3 and the weights of the Abraham parameters was adjusted based on maximizing the F_1

score for each MoA. The figure includes the MoA test groups that have 15 or more compounds. It is important to consider the number of compounds associated with each MoA group with these methods and that is reflected in Figure **3-6**.

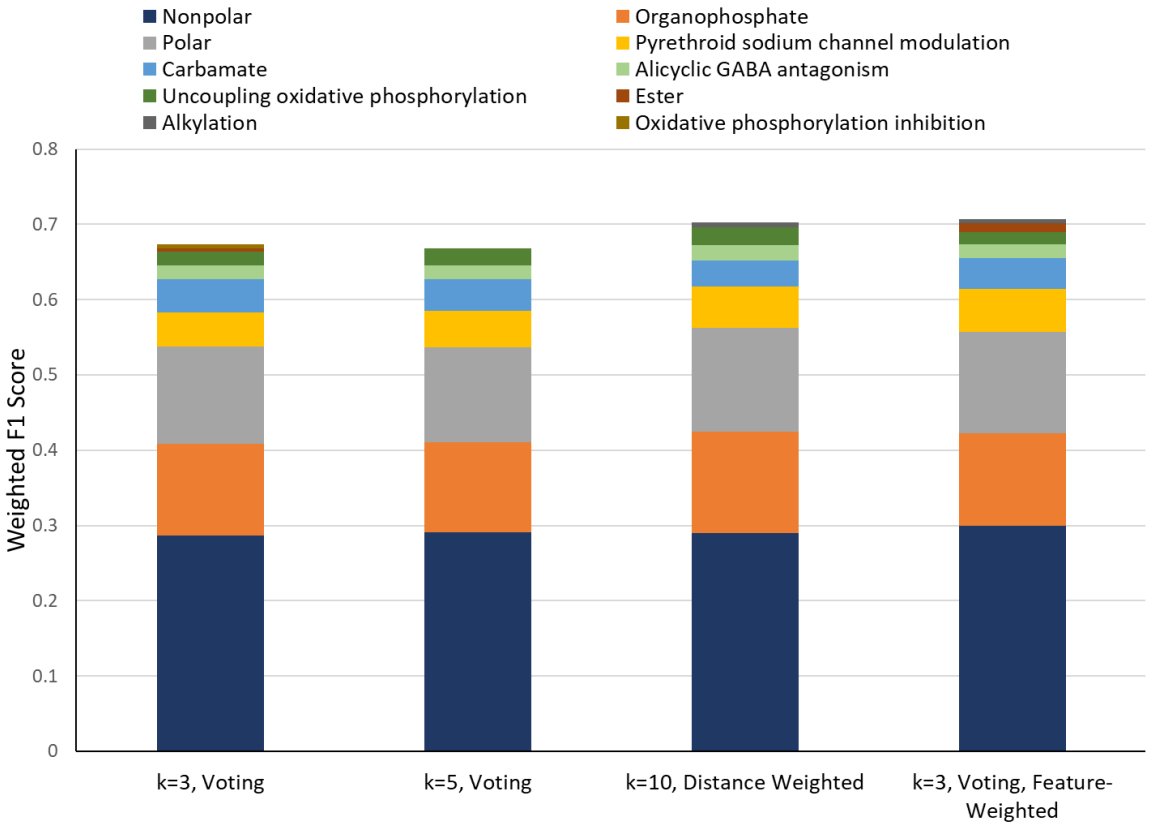


Figure 3-6. Results for the test set of compounds for select k-NN techniques: voting, distance weighting, and feature weighting. The test set was a random assignment of 20% of the compounds from each MoA. The subset of MoA shown has at least 15 compounds in the test set. Weighted F_1 score along the y-axis accounts for the number of compounds in each group.

The F_1 score on the y-axis is weighted by the number of compounds in each MoA to better assess the performance. This plot shows that application of the feature weighting

technique improved F_1 results for the nonpolar narcosis, pyrethroid sodium channel modulation, and carbamates test set, resulting in a higher overall weighted score. As a result, a voting platform with k=3 and optimized feature weighting was selected for the remaining discrimination work.

To allow for model validation, the compounds associated with each specific MoA were randomly split into a train and test set with 4/5 (80%) assigned to training. As previously noted, a starting seed, *set.seed*(47), was used in R for this apportioning to ensure consistency in comparing methods and results. This creates a training database of 1184 compounds and a test database of 296. These tables can be found in the Appendix Table B.2 and B.3. There are 11 MoA with at least 15 compounds in the combined train and test group and these will be the focus of the analysis.

Results from the optimized feature weighted k-NN analysis on the test database are summarized in Table **3-1**.

Table 3-1. Results for the test compound database analyzed using feature weighted k-NN analysis with k = 3. Test group contains 296 compounds which are tested with each MoA for inclusion label or 'not' inclusion. F_1 score is the harmonic mean of the sensitivity and recall (Eq. (3-1))

Mode of Action	No. compounds	Recall	Sensitivity	F_1 Score
Nonpolar	103	0.78	0.75	0.76
Not Nonpolar	193	0.86	0.88	0.87
Organophosphate	42	0.79	0.75	0.77
Not Organophosphate	254	0.96	0.96	0.96
Polar	45	0.78	0.80	0.79
Not Polar	251	0.96	0.96	0.96
Pyrethroid sodium channel modulation	18	0.83	0.83	0.83
Not Pyrethroid sodium channel modulation	278	0.99	0.99	0.99
Carbamate	15	0.73	0.69	0.71
Not Carbamate	281	0.98	0.99	0.98
Uncoupling oxidative phosphorylation	12	0.25	0.60	0.35
Not Uncoupling oxidative phosphorylation	284	0.99	0.97	0.98

Table 3-1. (continued)

Mode of Action	No. compounds	Recall	Sensitivity	F_1 Score
Ester	11	0.18	0.67	0.28
Not Ester	285	1.00	0.97	0.98
Alicyclic GABA antagonism	8	0.50	0.80	0.62
Not Alicyclic GABA antagonism	288	1.00	0.99	0.99
Alkylation	6	0.17	0.50	0.25
Not Alkylation	290	1.00	0.98	0.99
Anticoagulation	4	0.25	0.50	0.33
Not Anticoagulation	292	1.00	0.99	0.99
Oxidative phosphorylation inhibition	3	0.00	NA	NA
Not Oxidative phosphorylation inhibition	293	1.00	0.99	0.99

With the binary methodology, the test compound will be labeled as either in the specific MoA or not in the MoA group. It is important that the model correctly predicts the MoA, but it is also important that the model correctly predicts that the test compound does not belong to another group. The F_1 scores in Table **3-1** indicate that the model is more successful with groups of at least 15 compounds. Nonpolar narcotics are the largest subset in the test set and these were correctly predicted for over 76% of the chemicals. Concurrently, excess toxicity chemicals (those MoA that are not nonpolar narcotics) had an F_1 score of 87%.

In this classification, the F_1 score for the group labeled as not nonpolar is an important indicator. This indicator could be used to determine if a new compound needs further investigation. The toxicity related to nonpolar (baseline) compounds can be accurately predicted and LC50 results indicates that this is the least harmful of all MoA. While it is useful to know if the compound is within the nonpolar class, it is more critical to know if it does not belong to this group and could result in substantially lower toxicity thresholds. Figure **3-7** shows a bar plot of the F_1 statistic grouped by MoA.

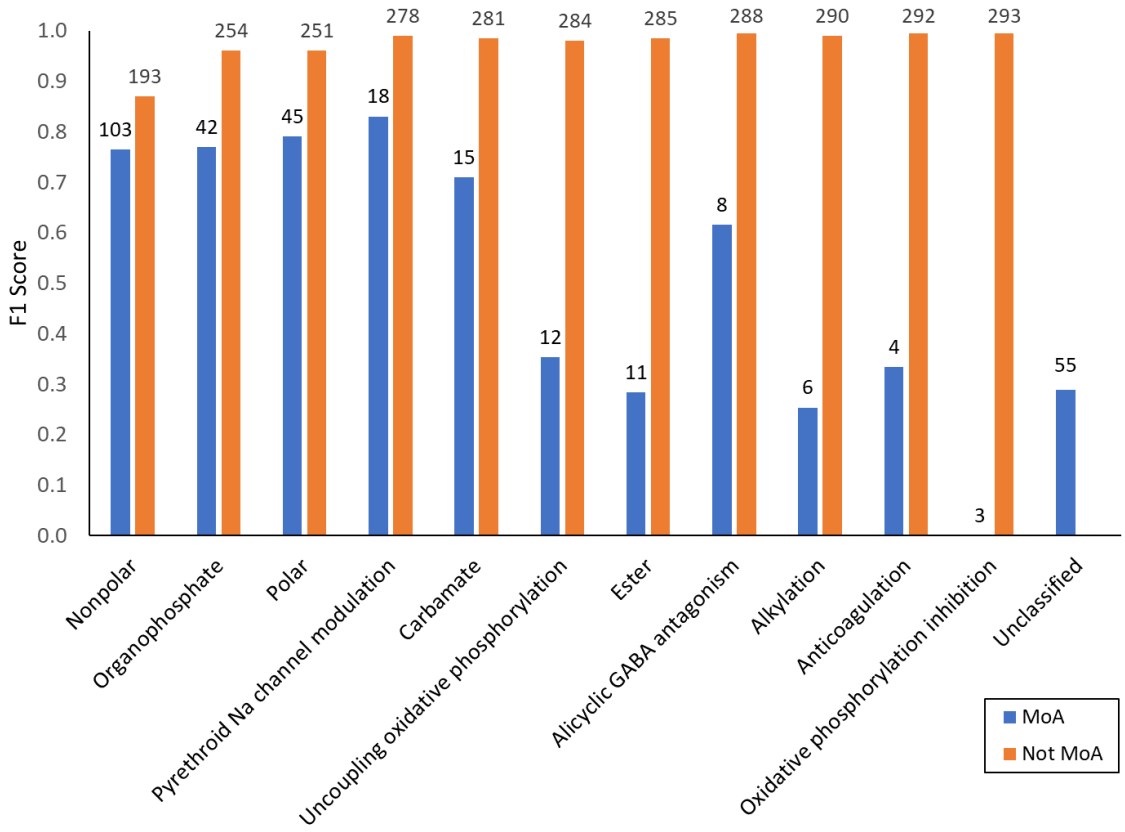


Figure 3-7. *F1* scores for 11 MoA represented in the test group (296 compounds). Blue bars are associated with the compounds correctly labeled in the MoA class and orange bars are those correctly labeled not in the MoA group. The sum of the compounds associated with the blue and orange bars would be 296 for each MoA and the number of compounds in the group is listed above the bar. Data from Table **3-1**.

The plot indicates that the model is successful in predicting compounds to be excluded from the specific MoA group, exhibited as the orange bars on the plot that are all above 87%. Excepting nonpolar narcosis, these scores were above 96% correct. Nonpolar, organophosphate, polar, pyrethroid sodium channel modulation, and carbamate MoA groups have F_1 scores of 76%, 77%, 79%, 83%, and 71%, respectively. This score accounts for the percent correct MoA predictions considering total observed correct labels

and total predictions made for the group. These 5 MoA groups have largest group memberships and performance of the k-NN model is comparable to other MoA classification models in literature.[37, 38, 47, 69, 70, 87, 88] MoA groups with less than 15 in the test set had lower F_1 scores for class assignment, averaging 31% correct. Alicyclic GABA antagonism successfully predicted 4 of the 8 compounds in the group with only 1 incorrect guess for an organophosphate compound. Considering the model examines the 3 closest neighbors for classification and the training set would include 32 compounds in this group, results suggest that the classification technique shows potential. The number of compounds per MoA is listed in Table **3-1** and it is expected that additional representative chemicals for those groups would improve performance.

The design of the model requires that these separate MoA classification results be considered in series. The results for each of the 11 MoA determinations are analyzed comprehensively for one test compound. Successful predictions include one true positive result for the corresponding MoA and 10 true negative results from the other MoA. This is a rigorous test to prove group membership of the test compound. If all 11 MoA are negative, the test compound is labeled 'Unclassified' suggesting the model could not definitively prescribe a group. The results of this analysis for each of the compounds in the test database are shown in Figure **3-8**.

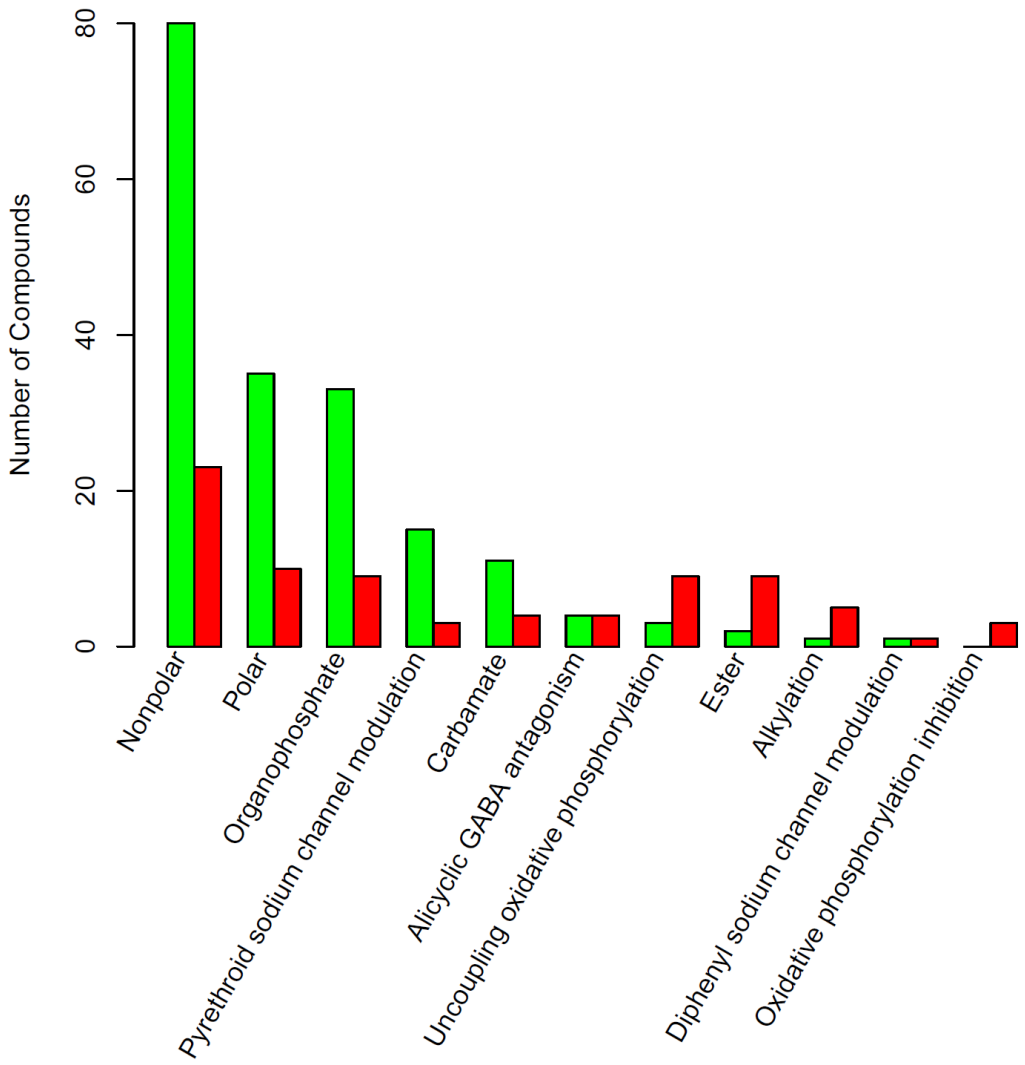


Figure 3-8. Feature weighted k-NN model results for test compound database for correct MoA assignment from compiled results of 11 k-NN classifications. Green bars indicate the number of compounds correctly assigned to the observed MoA group while red bars indicate incorrect assignment.

This figure depicts the results of the feature weighted k-NN model classifications made for the test set of compounds for the 11 MoA. The green bars in Figure **3-8** represent the number of compounds assigned to the correct MoA label and also not assigned to the other 10 MoA. The red bars indicate the compound was incorrectly assigned to another

MoA. The sum of the green and red bars is the total number of predictions made for that class. The trends suggest that an MoA group size of at least 75 compounds, or at least 15 compounds in the test set (20% of data) as referenced in Table **3-1**, is an important factor in model performance success. The model is designed to allow for more than one MoA prediction. Approximately 45% of the incorrect predictions were related to narcotic compounds along with 17% associated with AChEi. This suggests that the large and varied narcotic data set might require further investigation to finalize group membership. There were only 5 compounds (1.7%) in the test database that were positive for more than one MoA label. These compounds were predicted positive for two MoA labels: the correct MoA and one additional MoA. There were 55 compounds from the test set (18.5%) that were not predicted to be in any of the 11 MoA tested. Of these, 14 compounds (25%) were not in the 11 MoA groups, which substantiates this to be a true prediction of exclusion from all labels. The other 38 chemicals (75%) had reference labels as one of the test MoA, which results in an overall incorrect result for these compounds.

3.3.1 Application to Toxicity Prediction

The goal of this analysis is to determine the acute aquatic toxicity estimate for the test compounds using only chemical descriptors. The k-NN feature weighted model produces one or more MoA labels. The Target Site Model (TSM) is applied using the appropriate linear free energy equation for the target site-water partition coefficient together with the organism critical target site concentration. There are 11 MoA specific equations TSMs that can be applied to MoA predictions: nonpolar narcosis, organophosphates, polar narcosis, pyrethroid sodium channel modulation, ester narcosis, uncoupling of oxidative phosphorylation, carbamates, alicyclic GABA antagonism, oxidative phosphorylation inhibition, and alkylation. There is a total of 79 genera CTSC

estimates to match the organism tested. For the test set, if the genera related to the experimental results is not available as a CTSC, the median CTSC value of all available for that MoA is selected. If the classification model predicts more than one MoA label, the appropriate TSM are used to calculate LC50 values for each predicted MoA. The compound is then assigned the minimum LC50 value of all those predicted.

This methodology was used to compare predicted LC50 values to experimental toxicity data found in ECOTOX, EPA T.E.S.T, and literature and listed in Table A.2.[15, 43, 59] If more than one MoA label was assigned, the minimum of the predicted LC50 values was utilized. The results comparing predicted and experimental LC50 values for the test set of 296 compounds are shown in Figure **3-9**.

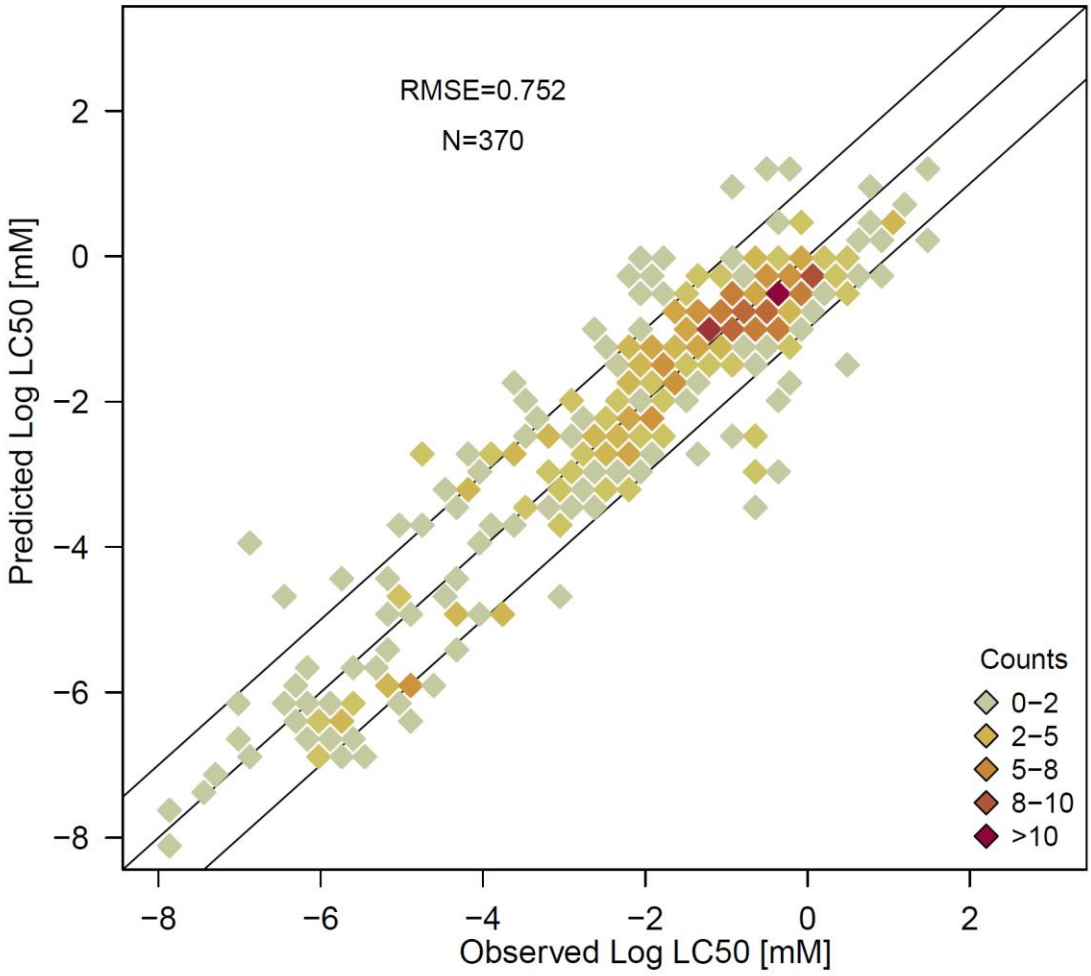


Figure 3-9. Test set of compounds with LC50 predictions using the feature weighted k-NN discrimination technique to first assign MoA labels. The TSM associated ppLFER is then used to compute the LC50 for the specific organism in the database and these are compared to experimental data.

This plot shows the optimized feature weighted k-NN analysis in combination with the TSM LFER resulted in an RMSE of 0.752, using Eq. (2-6). Assuming the model residuals have a mean of zero and are normally distributed, the RMSE is the sample standard deviation. Therefore, an RMSE = 1.0 corresponds to 68% of the predictions being within one order of magnitude and an RMSE = 0.7 corresponds to 68% of the data within five

times the value. There were 370 data points resulting from the combination of test set MoA predictions with available toxicity information.

For the 5 compounds that resulted in two MoA label predictions, LC50 estimates from the discrimination approach were within approximately half a log unit of the experimental data. The applied MoA label (Table A.1) resulted in LC50 values higher than experimental data, while the discrimination approach led to lower estimates. This was by design to ensure the model is conservative in the LC50 estimates it provides. These toxicity estimates suggest that the compound might be more appropriately grouped with a different MoA and this could lead to further investigation of the molecular initiating event.

It is useful to compare the test set data LC50 predictions to the values predicted when using the applied MoA determined by the reference sources of the train and test set combined. This will indicate if the predicted LC50 error is due to the k-NN classification of the TSM prediction equations. The combined database of 1480 compounds was analyzed using the ppLFER models with the correct MoA labels from the Table A.1. This was combined with available toxicity data for a variety of organisms. As in the test set, if a CTSC value for the associated organism was not determined, the median CTSC value for that MoA was used. This resulted in 2173 data points with associated Log LC50 predictions and these are shown in Figure **3-10**.

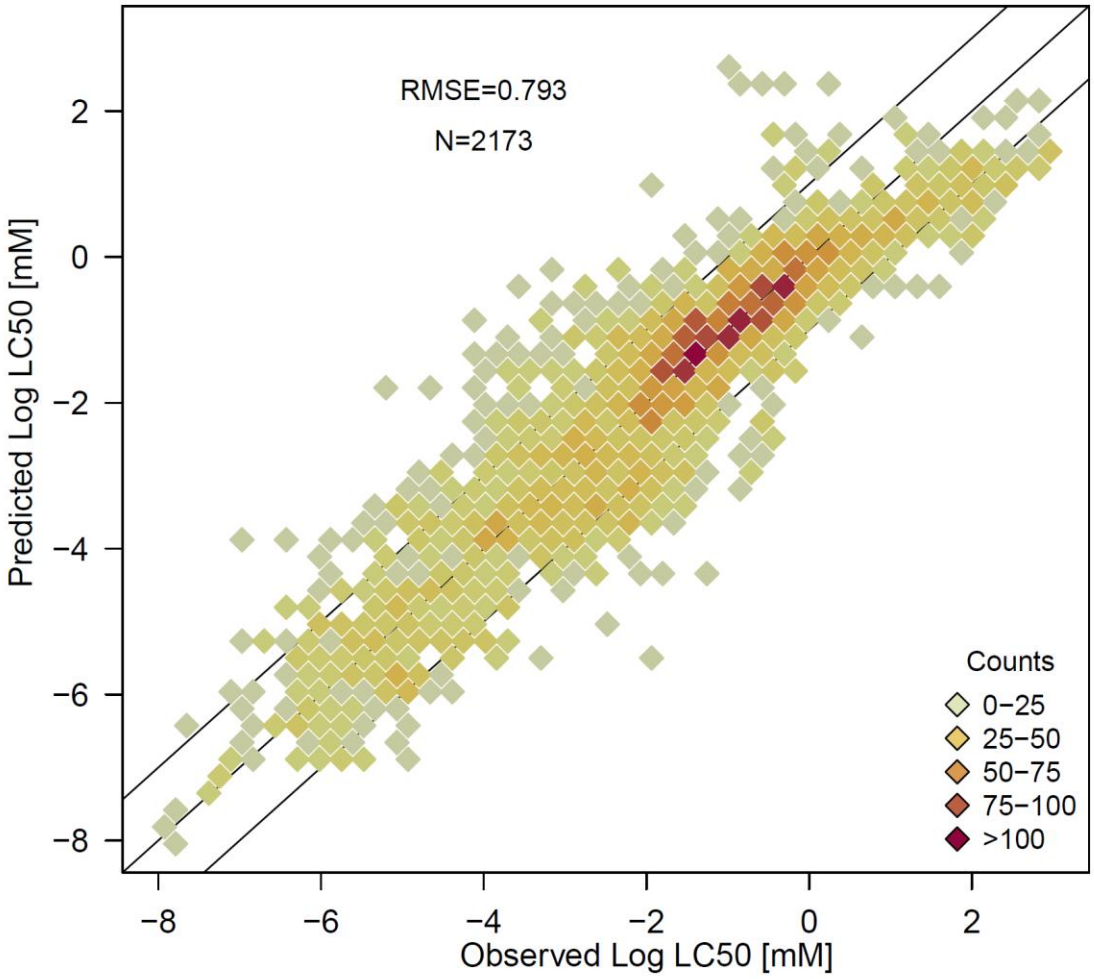


Figure 3-10. Predicted LC50 values for the combined training and test set of compounds using Applied MoA labels from Table A.1. The appropriate TSM and associated ppLFER are used to calculate the LC50 for specific organism in the database and these are compared to experimental data.

The analysis results in an RMSE of 0.793, which is very close to the RMSE of the model data (0.752). The complete database gives a slightly higher RMSE than the predicted test set which is likely due to the increased number of points (test set is less than 16% of the

combined). This is a useful approximation for understanding the toxicity range of a new compound.

The 48 compounds (16%) that were incorrectly labeled using the k-NN technique provided interesting results when comparing the LC50 value obtained using the literature-assigned MoA label. The residuals of the labels predicted with the k-NN classification model were less than the residuals of the LC50 value from the reference MoA labels for 33% of the cases. For 16 of the 48 compounds with both a model predicted MoA and an applied MoA from literature, the LC50 determined from the model predicted MoA resulted in less error compared to experimental values. Six compounds had applied MoA of ester narcosis and four had polar, but model predicted label of nonpolar narcosis resulted in an LC50 value with less error. It is not surprising that the various groups of narcotics (ester, polar, nonpolar) had some discrepancies and overlap. Three compounds that were labeled as carbamates were predicted to be organophosphates. The resulting LC50 values had smaller residuals for the k-NN predicted label (carbamate) than for the reference MoA label (organophosphate). This suggests that the compounds might be more appropriately linked to the MoA it predicts than to the literature determined MoA label.

3.3.2 Prediction for Untested Organisms.

The k-NN model can be used in combination with a TSM critical target site concentration that protects 95% of the tested organisms. The Final Acute Value is developed in Chapter 2 and listed in Table **2-2** to establish criteria limits to protect 95% of aquatic species. In Eq. (2-4), FAVs would be used in place of the CTSC. Figure **3-11** shows the results of this analysis.

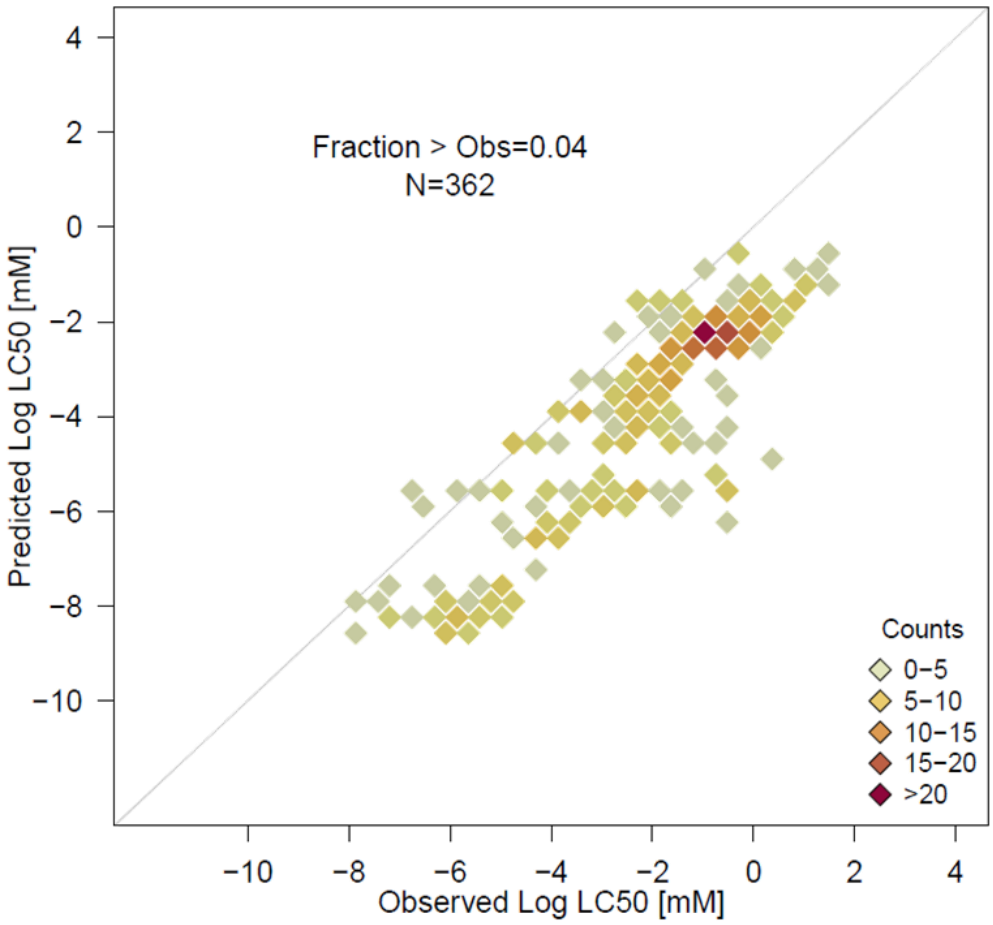


Figure 3-11. Predicted Final Acute Values for the test set of compounds using TSM values and feature weighted k-NN classification.

The plot shows only 4% of the values exceed the experimental LC50 values. The log normal cumulative probability distribution of the model residuals indicates approximately 70% of the data would be two orders of magnitude or less from the experimental LC50.

3.4 Implications

The optimized feature weighting k-NN technique developed allows for specific mode of action classification for new compounds. This is critical information for risk

assessment of these compounds since aquatic toxicity can vary by orders of magnitude depending on the MoA target and pathway. MoA information can aid in determining what test methods could be required to further investigate the impact on aquatic organisms. This type of initial screening method can save time and expense for groups involved with new compound development, prioritization, and safety evaluation. Model performance for classifying nonpolar and ester narcosis, organophosphates, carbamates, and pyrethroid sodium channel modulation is significant with at least 75% assigned to the correct MoA and over 87% correctly assigned to the exclusion group. When MoA group membership was limited at less than 75, the performance of the model declined. MoA models for alicyclic GABA antagonism, ester narcosis, uncoupling oxidative phosphorylation, and alkylation modes would be improved with a greater number of compounds in the training set.

This classification tool is designed to be used in conjunction with the Target Site Model. Once an MoA label is predicted, the appropriate ppLFER can be selected and used to estimate acute aquatic toxicity. This approach highlights the importance of MoA specification for toxicity estimation. The model is conservative by design by selecting the lowest associated LC50 with the test compound. The results show that this approach can lead to Log LC50 estimations with an RMSE of 0.75 and would be considered highly predictive.

The LC50 results in Figure **3-10** indicate that the model performance is optimized for MoA selection. Reduction of error for toxicity quantification will result from refined MLR equations as more data is added. There are performance limitations relating to experimental error for toxicity tests. It is important to note that the error inherent in the experimental values for a specific genus and MoA pair can vary over two orders of magnitude. As a result, MLR model results cannot be expected to improve beyond this

range for specific modes of action. There is an inherent assumption that all reference MoA labels were correct, and this could also result in perpetuation of error from the TSM to the classification model. Future work would include a detailed analysis of the compounds included in each MoA.

Chapter 4

CONCLUSIONS & RECOMMENDATIONS

Starting with a combined database of 2049 chemicals of 47 modes of action from verified literature sources, poly-parameter linear free energy relationships were developed for 11 specific modes of action. When comparing MoA label information from the various sources, 102 compounds had conflicting assignments with 83% of those involving narcosis. This highlights the importance of the use of the AOP methodology and referencing. The ability to link a mode of action to a specific molecular initiating event can lead to testing methods that clearly define how a compound should be labeled. Although narcosis is the most prevalent MoA, there is still research to be done in understanding the polar, ester, and amine subgroups. Heat maps like Fig **2-1** can be used to determine data gaps and depth when considering compound and organism toxicity information. Polar narcosis had the third largest number of compounds in the database, but toxicity information was only found for 12 genera. Amassing toxicity information for more organisms in this group could help uncover pathway differences between the narcotic groups.

The final TSM equations developed from the model selection process resulted in Abraham parameter subsets and genera CSTC for each MoA. This eliminated insignificant coefficients and CTSC without enough data. The resulting RMSE values range from 0.930 to 0.269, translating to an error range of approximately 10 times or 5 times predicted values. The narcotic group 0.772, which is comparable to other literature results for MoA based models. [37, 38, 47, 69, 70, 87, 88] It was expected that organophosphates

would have one of the largest RMSE since experimental data can exhibit a large degree of variability. This could be related to metabolic activation of certain compounds and in differences when reporting these results.[89]

The resulting solvent coefficients for the TSM LFERs have standard errors that range from 5% to 50%. There is some overlap in values for the Abraham parameters for the different types of narcosis, but a high degree of variability is evident in *s*, polarizability, across MoA. This suggests the polarizability, relating to dipole interactions, could be a key parameter for discrimination. All but one MoA required a volume term interaction to predict toxicity suggesting that the difference between creating a cavity in water relative to the target site is a key factor. The alicyclic GABA antagonism group that did not require a volume term, also had a significantly different *a* coefficient, suggesting there may be a need to investigate the accuracy of *A* estimates in Absolv for values which are orders of magnitude less than 0.1. In general, the TSM coefficients were close in range to values found in the UFZ LSER database and the ppTLM analysis, substantiating model results.

There is a wide range in species sensitivity when comparing different modes of action, as indicated by the CTSC values in Figures **2-9** and **2-10**. For organisms that have available data across multiple modes of action, it is interesting to consider how the CTSC change. The CTSC values can change by orders of magnitude for the same organism, depending on the MoA, and the ranked values change by genera as well. For a particular organism, there is no definitive trend of particular MoA always resulting in the lowest CTSC, although narcosis and the subgroups were consistently at the high end of the range. This reaffirms the necessity of the MoA based ppLFER models to account for organism differences across groups and emphasizes the general applicability of the model.

The Final Acute Values that were determined can be used in combination with the TSM ppLFERs to suggest criteria limits for 95% species protection. This is useful in providing a practical estimate for toxicity limits when experimental data is limited.

For the methodology developed in this analysis, it is necessary to determine an MoA prediction for a test compound prior to quantifying toxicity. The feature weighted k-NN technique resulted in the most successful classification of the test compounds, as shown in Figure **3-7**. Additional reactivity measures did not significantly improve the model, although performance suffered when the MoA group membership was below approximately 75 compounds. The classification model performs a binary analysis across all 11 MoA and less than 2% of the compounds resulted in more than one MoA prediction. Of the test set of 296 compounds, 55 were unclassified (testing negative for all groups) with 1/4 of those belonging to the unclassified group. Approximately 45% of the wrong predictions were related to narcotic compounds, suggesting further confirmation of members in this group could be useful. For the MoA predictions made in the test set, the predicted LC50 results were within experimental errors of the TSM. This indicates that to improve the overall performance of the combined TSM and discrimination model it will be necessary to reduce the variability associated with the experimental toxicity measurements (particularly with the organophosphates), to include more compounds in MoA groups with low membership, and to continue to certify MoA reference labels.

The next step in this analysis would be to apply the method to a dataset with unknown MoA labels and a range of acute toxicity data. The model would classify these compounds and then predict the LC50 values to compare to experimental data. It would be interesting to determine what this suggests about MoA assignments for the new dataset. Future work for this methodology could include an extension of these

classification concepts to chronic effects data. Research relating to modeling chronic data indicates that LFER are less successful than with acute toxicity, but no work was found using the feature weighting discrimination technique described here. Lastly, there is an opportunity to tie these same techniques to work that is being done with high-throughput testing. While there are some assays that can be directly linked to mode of action assignments, it is expected there would be groups of assays, or fingerprint patterns, that could work in a k-NN classification approach. Resulting labels might be grouped into categories like narcosis, specifically acting, and reactivity that suggest when further testing would be required.

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Appendix A

TARGET SITE MODEL: APPLICATION OF THE ppTLM TO PREDICT AQUATIC TOXICITY FOR VARIOUS MODES OF ACTION

A.1 Compiled Database for Mode of Action Development

A.2 Acute Aquatic Toxicity Information for Compounds

A.3 Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model

A.1 Compiled Database for Mode of Action Development

Table A.1.1. Part 1 of the database includes chemical name, CAS number, SMILES String, Abraham solute parameters, molecular weight, Log Kow, water solubility, and Applied Specific MoA.

Chemical Name	CAS No.	SMILES	E	S	A	B	V	Molecular Weight	Log Kow	Water Solubility [Log(M)]	Applied Specific MoA
acrylonitrile	107-13-1	C(#N)C=C	0.3113	0.7836	0	0.2557	0.5021	53.0627	0.25	-0.069	Acrylate
2-propenoic acid, 2-(dimethylamino)ethyl ester	2439-35-2	O=C(OCCN(C)C)C=C	0.354	0.8264	0	0.916	1.2261	143.1837	0.42	0.399	Acrylate
ethylacrylate	140-88-5	CCOC(=O)C=C	0.189	0.6397	0	0.4175	0.8445	100.1158	1.32	-1.06	Acrylate
allyl methacrylate	96-05-9	O=C(OCC=C)C(=C)C	0.2882	0.6489	0	0.4906	1.0833	126.1531	2.12	-1.934	Acrylate
isobutylacrylate	106-63-8	O=C(OCC(C)C)C=C	0.1952	0.6326	0	0.4513	1.1263	128.169	2.22	-2.033	Acrylate
cyclohexyl acrylate	3066-71-5	O=C(OC(CCCC1)C1)C=C	0.4027	0.7283	0	0.4339	1.2995	154.2063	3	-2.718	Acrylate
picrotoxin	124-87-8	O=C1C23C4(C(C5C(=O)OC(C5C(O)(C)C)C4O1)(O)CC3O2)C	1.8353	4.0035	0.6253	2.0018	2.004	310.2992	-2.81	0.508	Alicyclic GABA antagonism
etbicyphat	1005-93-2	P1(O)C(O)C(CCO)(C)C1O	1.117	0.8563	1.2505	1.4922	1.2848	180.1388	-1.1	0.42	Alicyclic GABA antagonism
propybicyphat	51486-74-9	O1CC2(COP1(=O)OC2)CCC	0.6696	0.8083	0	1.2172	1.3171	192.1495	0.68	-1.188	Alicyclic GABA antagonism
endosulfan	115-29-7	ClC2=C(Cl)C3(Cl)C1COS(=O)OCC1C2(Cl)C3(Cl)Cl	2.2254	2.5403	0	1.4315	2.0819	406.9243	3.5	-5.437	Alicyclic GABA antagonism
endosulfan sulfate	1031-07-8	ClC2=C(Cl)C3(Cl)C1COS(=O)(=O)OCC1C2(Cl)C3(Cl)Cl	1.7852	2.211	0	1.2321	2.1406	422.9237	3.66	-5.409	Alicyclic GABA antagonism
lindane	58-89-9	C(C(C(C(C1Cl)Cl)Cl)Cl)(C1Cl)Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	3.72	-4.857	Alicyclic GABA antagonism
beta-hexachlorocyclo-hexane	319-85-7	C(C(C(C(C1Cl)Cl)Cl)Cl)(C1Cl)Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	3.78	-4.857	Alicyclic GABA antagonism
alpha-hexachlorocyclo-hexane	319-84-6	C(C(C(C(C1Cl)Cl)Cl)Cl)(C1Cl)Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	3.8	-4.857	Alicyclic GABA antagonism

alpha-endosulfan (endosulfan ii)	33213-65-9	O1S(=O)OCC2C(Cl)(C3(Cl)Cl)C(Cl)=C(Cl)C3(Cl)C2C1	2.2254	2.5403	0	1.4315	2.0819	406.9243	3.83	-5.437	Alicyclic GABA antagonism
alpha-endosulfan	959-98-8	ClC1=C(Cl)C2(Cl)C(Cl)(Cl)C1(Cl)C3C2COS(=O)OC3	2.2254	2.5403	0	1.4315	2.0819	406.9243	3.83	-5.437	Alicyclic GABA antagonism
kelevan	4234-79-1	ClC52C3(C4(Cl)C(C5(C1(C2(C(C3(C14Cl)Cl)(CC(=O)CCC(=O)OCC)O)Cl)Cl)Cl)(Cl)Cl)Cl	3.1385	2.6178	0.42	1.5143	3.3337	634.8018	3.94	-6.678	Alicyclic GABA antagonism
photodieldrin	13366-73-9	ClC3C6(Cl)C4C2C1OC1C5C2C3(Cl)C(Cl)(C45)C6(Cl)Cl	2.3521	1.3397	0.0007	0.6511	1.9409	380.9075	4.13	-5.505	Alicyclic GABA antagonism
delta-hexachlorocyclo-hexane	319-86-8	C(C(C(C(C1Cl)Cl)Cl)Cl)(C1Cl)Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	4.14	-4.857	Alicyclic GABA antagonism
Hexachlorocyclo-hexane	608-73-1	ClC1C(Cl)C(Cl)C(Cl)C(Cl)C1Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	4.14	-4.857	Alicyclic GABA antagonism
1,2,3,4,5,6-hexachlorocyclo-hexane	6108-10-7	C(C(C(C(C1Cl)Cl)Cl)Cl)(C1Cl)Cl	1.3767	1.0992	0.0042	0.3995	1.5798	290.828	4.14	-4.857	Alicyclic GABA antagonism
isobenzan	297-78-9	ClC1OC(Cl)C2C1C3(Cl)C(=C(Cl)C2(Cl)C3(Cl)Cl)Cl	1.9298	1.4432	0.0014	0.5893	2.0458	411.7491	4.51	-6.055	Alicyclic GABA antagonism
heptachlor epoxide	1024-57-3	ClC2C1OC1C3C2C4(Cl)C(=C(Cl)C3(Cl)C4(Cl)Cl)Cl	2.0276	1.3767	0.0007	0.5969	1.9557	389.315	4.98	-6.291	Alicyclic GABA antagonism
endrin	72-20-8	ClC4=C(Cl)C5(Cl)C3C1CC(C2OC12)C3C4(Cl)C5(Cl)Cl	2.1237	1.3146	0	0.6076	2.0065	380.9075	5.2	-6.418	Alicyclic GABA antagonism
dieldrin	60-57-1	ClC4=C(Cl)C5(Cl)C3C1CC(C2OC12)C3C4(Cl)C5(Cl)Cl	2.1237	1.3146	0	0.6076	2.0065	380.9075	5.4	-6.418	Alicyclic GABA antagonism
oxychlordane	27304-13-8	ClC2(O4)C4C1C3(Cl)C(Cl)=C(Cl)C(C3(Cl)Cl)(Cl)C1C2Cl	2.2506	1.4893	0.0007	0.676	2.0781	423.7598	5.48	-6.973	Alicyclic GABA antagonism
toxaphene	8001-35-2	ClC(C(Cl)C1C2)C(C2(Cl)Cl)(C1(C(Cl)Cl)CCl)CCl	1.434	1.1335	0.0908	0.2179	2.2796	448.26	5.9	-7.153	Alicyclic GABA antagonism
dilor	14168-01-5	ClC(C(Cl)=C1Cl)(C3C2CC(Cl)C3)C(Cl)(Cl)C12Cl	1.7577	1.1669	0.0007	0.353	2.0056	375.3315	6.08	-7.128	Alicyclic GABA antagonism

heptachlor	76-44-8	ClC1C=CC2C1C3(Cl)C(=C(Cl)C2(Cl)C3(Cl)Cl)Cl	1.9135	1.2656	0.0007	0.4162	1.9626	373.3156	6.1	-6.593	Alicyclic GABA antagonism
cis-chlordane	5103-71-9	ClC1CC2C(C1Cl)C3(Cl)C(=C(Cl)C2(Cl)C3(Cl)Cl)Cl	2.0155	1.3145	0.0014	0.4528	2.128	409.7762	6.1	-7.499	Alicyclic GABA antagonism
bromocyclen	1715-40-8	BrCC(CC1(Cl)C=2Cl)C(Cl)(C2Cl)C1(Cl)Cl	1.7136	1.1848	0.0007	0.3154	1.885	393.7455	6.13	-7.109	Alicyclic GABA antagonism
technical chlordane	12789-03-6	ClC(C(Cl)C1)C(C1C2(Cl)C=3Cl)C(Cl)(C3Cl)C2(Cl)Cl	2.0155	1.3145	0.0014	0.4528	2.128	409.7762	6.22	-7.499	Alicyclic GABA antagonism
γ-chlordane	5103-74-2	ClC1CC2C(C1Cl)C3(Cl)C(=C(Cl)C2(Cl)C3(Cl)Cl)Cl	2.0155	1.3145	0.0014	0.4528	2.128	409.7762	6.22	-7.499	Alicyclic GABA antagonism
aldrin	309-00-2	ClC3=C(Cl)C4(Cl)C2C1CC(C=C1)C2C3(Cl)C4(Cl)Cl	2.0096	1.2035	0	0.4269	2.0134	364.9081	6.5	-7.412	Alicyclic GABA antagonism
isodrin	465-73-6	C(=C(C(C1(Cl)Cl)(C(C(C=CC23)C2)C34)Cl)Cl)(C14Cl)Cl	2.0096	1.2035	0	0.4269	2.0134	364.9081	6.5	-7.412	Alicyclic GABA antagonism
chlorbicyclen	2550-75-6	ClC(=C(Cl)C1(Cl)C2CCl)C(Cl)(C1(Cl)Cl)C2CCl	1.6599	1.2334	0.0014	0.3454	2.0957	397.7655	6.71	-7.832	Alicyclic GABA antagonism
mirex	2385-85-5	ClC2(Cl)C4(Cl)C1(Cl)C5(Cl)C(Cl)(Cl)C3(Cl)C1(Cl)C2(Cl)C3(Cl)C45Cl	2.9761	1.6555	0	0.6029	2.4434	545.5394	7.01	-9.06	Alicyclic GABA antagonism
nonachlor	3734-49-4	ClC1=C(Cl)C(Cl)(C2(Cl)Cl)C3CC(Cl)(Cl)C(Cl)C3C12Cl	2.1085	1.3394	0.0007	0.4413	2.2504	444.221	7.18	-7.733	Alicyclic GABA antagonism
dienochlor	2227-17-0	ClC1=C(Cl)C(Cl)=C(Cl)C1(Cl)C2(Cl)C(Cl)=C(Cl)C(Cl)=C2Cl	2.1768	1.6306	0	0.5251	2.3524	474.634	8.39	-9.826	Alicyclic GABA antagonism
flucybene	3289-22-3	C1C[C@@H]2C[C@H]1C(C2(C(F)(F)F)C(F)(F)F)(C#N)C#N	0.3574	0.8985	0	0.3967	1.5745	282.1851			Alicyclic GABA antagonism
strobane	8001-50-1	CC1(C(=C)[C@@]2(C([C@]1(C(C2(Cl)Cl)(Cl)Cl)Cl)Cl)Cl)C	1.6092	0.949	0.0007	0.4167	2.1142	377.3474			Alicyclic GABA antagonism
picrotoxinin	17617-45-7	CC(=C)[C@@H]1[C@@H]2[C@@H]3[C@@]4([C@]([C@H]1C(=O)O2)(C[C@@H]5[C@]4(O5)C(=O)O3)O)C	1.7522	3.798	0.3126	1.7582	1.9023	292.2839			Alicyclic GABA antagonism

picrotin	21416-53-5	C[C@@]12[C@H]3[C@H]4[C@H]([C@@H]([C@@]1(C[C@@H]5[C@]2(O5)C(=O)O3)O)C(=O)O4)C(C)(C)O	1.8353	4.0035	0.6253	2.0018	2.004	310.2992			Alicyclic GABA antagonism
chlordane	57-74-9	ClC(C(Cl)C1)C(C1C2(Cl)C=3Cl)C(Cl)(C3Cl)C2(Cl)Cl	2.0155	1.3145	0.0014	0.4528	2.128	409.7762		-7.499	Alicyclic GABA antagonism
cloflubicyne	224790-70-9										Alicyclic GABA antagonism
anisatin	5230-87-5										Alicyclic GABA antagonism
tert-butyl bicyclo[2.2.2]phosphorothionate	70636-86-1										Alicyclic GABA antagonism
2-butyne-1,4-diol	110-65-6	OCC#CCO	0.5527	0.8578	0.6253	0.6563	0.7036	86.09	-1.83	0.966	Alkylation
3-butyn-1-ol	927-74-2	OCCC#C	0.4568	0.6287	0.3978	0.3684	0.6449	70.09	-0.5	0.736	Alkylation
2-propyn-1-ol	107-19-7	OCC#C	0.4586	0.6243	0.3978	0.3653	0.504	56.07	-0.37	1.222	Alkylation
4-pentyn-2-ol	2117-11-5	OC(C)CC#C	0.4648	0.6172	0.3978	0.3991	0.7858	84.1164	-0.08	0.278	Alkylation
3-butyn-2-ol	2028-63-9	CC(O)C#C	0.4666	0.6129	0.3978	0.396	0.6449	70.09	-0.06	0.799	Alkylation
acrolein	107-02-8	O=CC=C	0.3619	0.7842	0	0.3716	0.504	56.0633	-0.01	0.396	Alkylation
2-chloroethanol	107-07-3	C(CCl)O	0.329	0.5883	0.3849	0.3054	0.5715	80.5132	0.03	0.694	Alkylation
1-chloro-2-propanol	127-00-4	CC(CCl)O	0.3369	0.5768	0.3849	0.3361	0.7124	94.54	0.14	0.165	Alkylation
dimethyl sulfate	77-78-1	O=S(=O)(OC)OC	0.163	1.3483	0	0.9392	0.7887	126.1326	0.16	-0.259	Alkylation
2-butyn-1-ol	764-01-2	CC#CCO	0.3513	0.5852	0.3126	0.3802	0.6449	70.09	0.16	0.688	Alkylation
2-propen-1-ol	107-18-6	OCC=C	0.3299	0.508	0.3126	0.3599	0.547	58.0791	0.17	0.738	Alkylation
1,5-hexadiene-3-ol	924-41-4	OC(CC=C)C=C	0.4582	0.5625	0.3126	0.4477	0.9267	98.15	0.57	-0.67	Alkylation
1-heptyn-3-ol	7383-19-9	OC(C#C)CCCC	0.4612	0.626	0.3978	0.4053	1.0676		1.52	-0.765	Alkylation
phenyloxirane	96-09-3	O(C1c(cccc2)c2)C1	0.8393	0.8644	0	0.3354	0.9483	120.1485	1.61	-1.454	Alkylation
methasulfocarb	66952-49-6	c1cc(SC(=O)NC)ccc1OS(=O)(=O)C	1.3833	2.6623	0.2553	1.4999	1.7577	261.32	1.68	-2.539	Alkylation
5-hydroxy-1,4-naphthalenedione	481-39-0	Oc1cccc2C(=O)C=CC(=O)c12	1.5541	1.781	0.1933	0.7223	1.2185	174.1528	1.96	-1.532	Alkylation
4-dimethylaminocinnamaldehyde	6203-18-5	O=CC=Cc(ccc(N(C)C)c1)c1	1.2037	1.5117	0	0.8183	1.4934	175.2271	2	-2.184	Alkylation
1-octyn-3-ol	818-72-4	OC(C#C)CCCCC	0.4595	0.6303	0.3978	0.4084	1.2085	126.2	2.05	-1.287	Alkylation

menadione	58-27-5	c1cc2C(=O)C=C(C)C(=O)c2cc1	1.3701	1.7026	0	0.7892	1.3007	172.18	2.21	-2.336	Alkylation
1,3 dichloropropene	542-75-6	C(=CCl)CCl	0.4029	0.5608	0.0007	0.0952	0.7331	110.9693	2.29	-1.745	Alkylation
3-chloro-2-chloromethyl-1-propene	1871-57-4	C=C(CCl)CCl	0.348	0.4669	0.0014	0.1019	0.874	124.9958	2.73	-2.448	Alkylation
ethenylbenzene	100-42-5	c(cccc1)(c1)C=C	0.7029	0.696	0	0.1699	0.9552	104.15	2.95	-2.482	Alkylation
2,3-dimethyl-1,3-butadiene	513-81-5	CC(=C)C(=C)C	0.2047	0.1921	0	0.176	0.868	82.15	3.13	-3.01	Alkylation
1-ethenyl-4-methyl-benzene	622-97-9	c(ccc(c1)C=C)(c1)C	0.7273	0.6385	0	0.1706	1.0961	118.1757	3.44	-3.004	Alkylation
vinyl 6,6-dimethylheptanoate	54423-67-5	O=C(OC=C)CCCCC(C)(C)C	0.1629	0.5993	0	0.4705	1.6899	184.2753	4.05	-4.008	Alkylation
9-vinylcarbazole	1484-13-5	n(c(c(c1cccc2)ccc3)c3)(c12)C=C	2.0735	1.4072	0	0.4169	1.5542	193.2439	4.13	-5.25	Alkylation
hexachlorobutadiene	87-68-3	C(=C(C(=C(Cl)Cl)Cl)Cl)(Cl)Cl	0.9573	1.0043	0	0.2236	1.3206	260.759	4.78	-5.184	Alkylation
4-tert-butylstyrene	1746-23-2	c(ccc(c1)C=C)(c1)C(C)(C)C	0.7065	0.585	0	0.2143	1.5188		4.84	-4.474	Alkylation
1,9-decadiene	1647-16-1	C(=C)CCCCCCC=C	0.24	0.3233	0	0.1564	1.4316	138.2499	4.98	-5	Alkylation
tridiphane	58138-08-2	ClC(Cl)(Cl)CC1(OC1)c2cc(Cl)cc(Cl)c2	1.3868	1.2325	0	0.2715	1.8421	320.4255	5.18	-5.959	Alkylation
2-pentadecyn-1-ol	2834-00-6	OCC#CCCCCCCCCCCCC	0.3318	0.6333	0.3126	0.4143	2.1948	224.3822	5.53	-5.048	Alkylation
1,3-diaminopropane	109-76-2	NCCCN	0.4029	0.8181	0.4215	1.1194	0.7309	74.125	-1.43	1.13	Amine
1,2-propanediamine	78-90-0	NCC(N)C	0.3909	0.8163	0.4395	1.1416	0.7309	74.125	-1.2	1.13	Amine
propylamine	107-10-8	CCCN	0.2037	0.4981	0.2107	0.5762	0.6311	59.1103	0.48	0.964	Amine
butylamine	109-73-9	NCCCC	0.2019	0.5025	0.2107	0.5793	0.772	73.1369	0.97	0.443	Amine
(+,−)-1,2-dimethylpropylamine	598-74-3							87.17	1.1	0.163	Amine
1-pentanamine	110-58-7	NCCCCC	0.2002	0.5068	0.2107	0.5824	0.9129	87.1635	1.49	-0.103	Amine
1-hexanamine	111-26-2	NCCCCCC	0.1984	0.5112	0.2107	0.5855	1.0538	101.19	1.82	-0.692	Amine
heptylamine	111-68-2	CCCCCCCN	0.1966	0.5156	0.2107	0.5886	1.1947	115.2166	2.57	-1.23	Amine
octylamine	111-86-4	NCCCCCCCC	0.1948	0.5199	0.2107	0.5917	1.3356	129.2432	2.8	-1.614	Amine
1-nonanamine	112-20-9	NCCCCCCCCC	0.1931	0.5243	0.2107	0.5948	1.4765	143.2698	3.29	-2.049	Amine
decylamine	2016-57-1	CCCCCCCCCCN	0.1913	0.5287	0.2107	0.5979	1.6174	157.2964	4.1	-2.57	Amine
undecylamine	7307-55-3							171.33	4.63	-3.092	Amine

warfarin sodium	129-06-6	CC(=O)CC(c1ccccc1)c3c(O(Na))c2ccccc2oc3=O						330.32	-0.84	-0.893	Anticoagulation
warfarin potassium	2610-86-8	c12OC(=O)C(C(c3ccccc3)CC(=O)C)=C(O(K))c1cccc2						308.34	-0.84	-1.01	Anticoagulation
coumafuryl, sodium salt	34490-93-2	c12OC(=O)C(C(=O)C3=C(CC(=O)C)C=CO3)=C(O)c1cccc2	1.9919	2.6034	0.3126	1.5369	2.1433	312.2736	0.13	-1.585	Anticoagulation
coumarin	91-64-5	c1cc2OC(=O)C=Cc2cc1	1.0344	1.1624	0	0.4869	1.0619	146.1427	1.39	-1.455	Anticoagulation
coumafuryl	117-52-2	O=C1C(C(CC(C)=O)C2=CC=CO2)=C(O)C(C=CC=C3)=C3O1	1.7633	2.1575	0.3126	1.2631	2.1276	298.2901	1.6	-2.744	Anticoagulation
warfarin	81-81-2	c1ccc2C(O)=C(C(c3ccccc3)CC(=O)C)C(=O)Oc2c1	1.981	2.2799	0.3126	1.2279	2.3077	308.3279	2.7	-3.754	Anticoagulation
pindone	83-26-1	O=C(C(C(=O)c(c1ccc2)c2)C1=O)C(C)(C)C	1.4365	2.0834	0	1.085	1.7821	230.2592	2.87	-3.333	Anticoagulation
valone	83-28-3	c1ccc2C(=O)C(C(=O)CC(C)C)C(=O)c2c1	1.4617	2.1342	0	1.0782	1.7821	230.2592	2.91	-3.365	Anticoagulation
diphacinone sodium	42721-99-3	c(ccc1C2=O)cc1C(=O)C2([Na])C(=O)C(c(ccc3)cc3)c(ccc4)cc4							3.76	-5.051	Anticoagulation
coumatetralyl	5836-29-3	OC3=C(C1CCCc2ccccc12)C(=O)Oc4ccccc34	2.006	1.813	0.3126	0.8981	2.1834	292.3285	4.23	-4.941	Anticoagulation
diphacinone	82-66-6	O=C1c2ccccc2C(=O)C1C(=O)C(c3ccccc3)c4ccccc4	2.6124	3.051	0	1.2473	2.575	340.3713	4.27	-5.329	Anticoagulation
chlorophacinone	3691-35-8	c1ccccc1C(c2ccc(Cl)cc2)C(=O)C3C(=O)c4ccccc4C3(=O)	2.7598	3.1311	0	1.2444	2.6974	374.8161	5.5	-6.627	Anticoagulation
bromadiolone	28772-56-7	c1cc(Br)ccc1c(cc2)ccc2C(O)CC(c3ccccc3)C4=C(O)c5ccccc5OC4(=O)	3.7362	3.069	0.6253	1.5451	3.6004	527.4052	7.02	-8.53	Anticoagulation
difenacoum	56073-07-5	O=C1Oc2ccccc2C(O)=C1C3c4ccccc4CC(c5ccc(c6ccccc6)cc5)C3	3.4186	2.7327	0.3126	1.1115	3.399	444.5205	7.62	-8.951	Anticoagulation
brodifacoum	56073-10-0	c1cc(Br)ccc1c(cc2)ccc2C3Cc4ccccc4C(C5=C(O)c6ccccc6OC5(=O))C3	3.7489	2.8946	0.3126	1.1088	3.574	523.4165	8.5	-10.274	Anticoagulation
flocoumafen	90035-08-8	O=C1Oc2ccccc2C(O)=C1C3c4ccccc4CC(c5ccc(OCc6ccc(C(F)(F)F)cc6)cc5)C3	2.8868	2.5956	0.3126	1.2027	3.7923	542.5444	8.61	-10.508	Anticoagulation

difethialone	104653-34-1	O=C1Sc2ccccc2C(O)=C1C3CC(c5ccc(c6ccc(Br)cc6)cc5)Cc4ccccc34	4.241	3.1426	0.3126	1.2117	3.6788	539.4831	9.82	-11.514	Anticoagulation
pindone calcium salt	53404-72-1	CC(C)(C)C(=O)[C-]1C(=O)c2ccccc2C1=O.CC(C)(C)C(=O)[C-]1C(=O)c2ccccc2C1=O.[Ca+2]	1.4365	2.0834	0	1.085	1.7821	230.2592			Anticoagulation
pindone sodium salt	6120-20-3	CC(C)(C)C(=O)C1C(=O)c2ccccc2C1=O	1.4365	2.0834	0	1.085	1.7821	230.2592			Anticoagulation
2-isovaleryl-1,3-indandione, sodium salt	53404-57-2	CC(C)CC(=O)[C-]1C(=O)c2ccccc2C1=O.[Na+]	1.4617	2.1342	0	1.0782	1.7821	230.2592			Anticoagulation
coumachlor	81-82-3	CC(=O)CC(c1ccc(Cl)cc1)C3=C(O)c2ccccc2OC3=O	2.1284	2.3599	0.3126	1.225	2.4301	342.7727		-4.156	Anticoagulation
2-(1-naphthyl)-1,3-indandione	1786-03-4	c1ccc2c(c1)cccc2C3C(=O)c4ccccc4C3=O	2.5397	2.4251	0	0.8787	2.0387	272.2974			Anticoagulation
bromophacinone	3691-36-9	c1ccc(cc1)C(c2ccc(cc2)Br)C(=O)C3C(=O)c4ccccc4C3=O	2.9427	3.213	0	1.2446	2.75	419.2674			Anticoagulation
2-isovaleryl-1,3-indandione, calcium salt	23710-76-1										Anticoagulation
sodium arsenite	7784-46-5	O(Na)[As]=O						129.91	-3.28	0.886	Arsenical respiratory inhibition
arsenic acid	7778-39-4	O=[As](O)(O)O						141.94	-3.14	0.848	Arsenical respiratory inhibition
arsenic acid anhydride	1303-28-2	O=[As](=O)O[As](=O)=O							-0.13	-0.768	Arsenical respiratory inhibition
arsenous oxide	1327-53-3	O=[As]O[As]=O						197.84	-0.13	-0.535	Arsenical respiratory inhibition
cacodylic acid	75-60-5	C[As](C)(O)=O	0.1521	0.8588	0.3126	0.5856	0.4637	137.9974	0.36	-0.01	Arsenical respiratory inhibition
magnesium arsenate	10103-50-1										Arsenical respiratory inhibition
potassium arsenite	10124-50-2	[O-][As](=O)[O-].[K+].[K+]									Arsenical respiratory inhibition
copper arsenite	10290-12-7	[O-][As](=O)[O-].[Cu+2]									Arsenical respiratory inhibition
arsenic sulfide	12044-79-0										Arsenical respiratory inhibition
arsenic sulfide (as2s4)	12344-68-2	S[As]=S									Arsenical respiratory inhibition

lead arsenate hydroxide	1327-31-7	[OH-].[O-][As](=O)([O-])[O-].[O-][As](=O)([O-])[O-].[O-][As](=O)([O-])[O-].[PbH2+2].[PbH2+2].[PbH2+2].[PbH2+2].[PbH2+2]									Arsenical respiratory inhibition
arsenic acid (h3aso4), ammonium salt (1:1)	13462-93-6										Arsenical respiratory inhibition
arsenenous acid, ammonium salt	13462-94-7										Arsenical respiratory inhibition
potassium arsenite anhydrous	13464-35-2										Arsenical respiratory inhibition
trisodium arsenate	13464-38-5	[O-][As](=O)([O-])[O-].[Na+].[Na+].[Na+]									Arsenical respiratory inhibition
sodium pyroarsenate	13464-42-1										Arsenical respiratory inhibition
arsenous acid, monoammonium salt	53404-17-4	N.O[As](O)O									Arsenical respiratory inhibition
ammonium arsenite	58829-95-1										Arsenical respiratory inhibition
calcium arsenate	7778-44-1	[O-][As](=O)([O-])[O-].[O-][As](=O)([O-])[O-].[Ca+2].[Ca+2].[Ca+2]									Arsenical respiratory inhibition
butoxycarboxim	34681-23-7	CS(=O)(=O)C(C)C(C)=NOC(=O)NC	0.5365	1.6621	0.2132	1.2886	1.6068	222.2631	-0.81	-1.439	Carbamate
methyl carbamate	598-55-0	O=C(OC)N	0.3698	0.9142	0.4445	0.5454	0.5646	75.0666	-0.66	0.813	Carbamate
formetanate hydrochloride	23422-53-9	CNC(=O)Oc1cccc(N=CN(Cl)(H)(C)C)c1							-0.64	-1.845	Carbamate
aldoxycarb	1646-88-4	CNC(=O)ON=CC(C)(C)S(C)(=O)=O	0.5325	1.6682	0.2132	1.2794	1.6068	222.2631	-0.57	-1.645	Carbamate
thiocarboxime	25171-63-5	N#CCCSC(C)=NOC(=O)NC	0.9536	1.4659	0.2139	1.0235	1.5032	201.2473	0.12	-2.349	Carbamate
dimetilan	644-64-4	CN(C)C(=O)Oc1cc(C)n(n1)C(=O)N(C)C	1.3528	2.38	0	1.5861	1.8123	240.2592	0.27	-2.491	Carbamate
2-hydroxyphenyl methylcarbamate	10309-97-4	O=C(Oc(c(O)ccc1)c1)NC	0.9825	1.5116	0.4878	0.7894	1.2311	167.162	0.43	-0.211	Carbamate
formparanate	17702-57-7	CN(C)CNc1c(C)cc(OC(=O)NC)cc1	1.2506	1.7057	0.3429	1.4257	1.9356	237.2983	0.56	-0.398	Carbamate
methomyl	16752-77-5	CNC(=O)ON=C(C)SC	0.7744	0.909	0.2132	0.8454	1.2076	162.2112	0.6	-0.897	Carbamate
dioxacarb	6988-21-2	CNC(=O)Oc1ccccc1C2OCCO2	1.1574	1.6669	0.2132	1.082	1.6039	223.2253	0.67	-1.401	Carbamate
2-(4,5-dimethyl-1,3-dioxolan-2-yl)phenyl-n-methylcarbamate	7122-04-5	O1C(c2c(OC(=O)NC)cccc2)OC(C)C1C	1.1733	1.644	0.2132	1.1434	1.8857	251.2784	1.08	-1.958	Carbamate
tranid	15271-41-7	CNC(=O)ON=C1C(C2)C(C#N)CC2C1Cl	1.1868	1.5799	0.2146	0.969	1.6676	241.674	1.09	-2.158	Carbamate
aldicarb	116-06-3	O=C(ON=CC(SC)(C)C)NC	0.7765	0.908	0.2132	0.87	1.4894	190.2643	1.13	-1.554	Carbamate

o-(2-propynyloxy)phenyl methylcarbamate	3279-46-7	c(ccc1OC(=O)NC)cc1OCC#C	1.1293	1.6174	0.2983	0.912	1.5678	205.21	1.21	-1.727	Carbamate
physostigmine (eserine)	57-47-6	O=C(Oc(ccc(N(C(N(CC1)C)C12C)C)c23)c3)NC	1.6801	1.8174	0.2132	1.5015	2.1411	275.3463	1.33	-1.55	Carbamate
cloethocarb	51487-69-5	CNC(=O)Oc1ccccc1OC(OC)CCl	1.047	1.7243	0.2139	1.0951	1.8349	259.6859	1.4	-2.294	Carbamate
2-eeebc	62732-91-6	n1c2ccccc2nc1NC(=O)OCCOCCOCC	1.7115	2.1906	0.7118	1.4301	2.1832	293.3185	1.5	-2.616	Carbamate
propoxur	114-26-1	CNC(=O)Oc1ccccc1OC(C)C	0.8864	1.4279	0.2132	0.8832	1.6538	209.2417	1.52	-2.025	Carbamate
carbamic acid, methyl-, 2-chlorophenyl ester	3942-54-9	O=C(Oc(c(ccc1)Cl)c1)NC	0.9638	1.4182	0.2132	0.6335	1.2948	185.6074	1.56	-1.956	Carbamate
pyramat	2532-49-2	n(c(cc1OC(=O)N(C)C)C)c(n1)CCC	0.9755	1.4277	0	1.1137	1.7947	223.2717	1.61	-2.201	Carbamate
isolan	119-38-0	CC(C)n1nc(C)cc1OC(=O)N(C)C	1.0336	1.4881	0	1.0053	1.6968	211.261	1.65	-2.152	Carbamate
dimetan	122-15-6	C1C(C)(C)CC(=O)C=C1OC(=O)N(C)C	0.8092	1.4712	0	1.0307	1.6968	211.2576	1.66	-2.159	Carbamate
decarbofuran	1563-67-3	c12OC(C)Cc1cccc2OC(=O)NC	1.1236	1.453	0.2132	0.8572	1.5452	207.2259	1.85	-2.29	Carbamate
aminocarb	2032-59-9	CNC(=O)Oc1ccc(N(C)C)c(C)c1	1.1023	1.5304	0.2132	0.982	1.6949	208.257	1.9	-2.343	Carbamate
pyrolan	87-47-8	CN(C)C(=O)Oc1cc(C)nn1c2ccccc2	1.7176	1.9896	0	1.0625	1.8819	245.2772	1.96	-2.663	Carbamate
ethiolate	2941-55-1	CCSC(=O)N(CC)CC	0.6703	1.2233	0	0.7802	1.3739	161.2661	2.04	-2.117	Carbamate
xylylcarb	2425-10-7	O=C(Oc(ccc(c1C)C)c1)NC	0.8856	1.2206	0.2132	0.6478	1.4542	179.2158	2.09	-2.294	Carbamate
mobam	1079-33-0	CNC(=O)Oc1cccc2sccc12	1.4999	1.584	0.2132	0.6448	1.4661	207.25	2.17	-2.565	Carbamate
carbofuran	1563-66-2	O=C(Oc(c(OC(C1)(C)C)c1cc2)c2)NC	1.0966	1.4065	0.2132	0.8671	1.6861	221.2524	2.32	-2.796	Carbamate
carbaryl	63-25-2	O=C(Oc(c(c(ccc1)cc2)c1)c2)NC	1.5553	1.6596	0.2132	0.7046	1.5414	201.2213	2.36	-2.684	Carbamate
triazamate	112143-82-5	CCOC(=O)CSc1nc(C(C)(C)C)nn1C(=O)N(C)C	1.5435	2.3211	0	1.598	2.3985	314.4049	2.39	-3.79	Carbamate
4-(methylthio)-m-tolyl methylcarbamate	3566-00-5	CNC(=O)Oc1cc(C)c(SC)cc1	1.2334	1.4034	0.2132	0.7641	1.6177	211.2818	2.47	-2.852	Carbamate
2,3,5-trimethacarb	2655-15-4	c(c(cc1OC(=O)NC)C)c(c1C)C	0.91	1.163	0.2132	0.6484	1.5951	193.2423	2.56	-2.793	Carbamate
mexacarbate	315-18-4	CNC(=O)Oc1cc(C)c(N(C)C)c(C)c1	1.1266	1.4729	0.2132	0.9827	1.8358	222.2836	2.56	-3.009	Carbamate
m-cumenylmethylcarbamate	64-00-6	CNC(=O)Oc1cccc(c1)C(C)C	0.8674	1.271	0.2132	0.6809	1.5951	193.2423	2.63	-2.857	Carbamate

carbanolate	671-04-5	CNC(=O)Oc1cc(C)c(C)cc1Cl	1.0125	1.303	0.2132	0.6348	1.5766	213.6605	2.65	-3.025	Carbamate
trimethacarb (3,4.5 isomer)	2686-99-9	CNC(=O)Oc1cc(C)c(C)c(C)c1	0.91	1.163	0.2132	0.6484	1.5951	193.2423	2.66	-3.514	Carbamate
tirpate	26419-73-8	S1C(C=NOC(=O)NC)(C)SC(C)C1	1.3394	1.1352	0.2132	1.0037	1.6852	234.341	2.76	-3.265	Carbamate
fenobucarb	3766-81-2	O=C(Oc(c(ccc1)C(CC)C)c1)NC	0.8656	1.2754	0.2132	0.684	1.736	207.2689	2.78	-3.087	Carbamate
5,6,7,8-tetrahydro-1-naphthyl methylcarbamate	1136-84-1	c(cc(c1CC2)OC(=O)NC)cc1CC2	1.0932	1.3163	0.2132	0.6304	1.6274	205.253	2.88	-3.156	Carbamate
methiocarb	2032-65-7	CNC(=O)Oc1cc(C)c(SC)c(C)c1	1.2577	1.3458	0.2132	0.7648	1.7586	225.3083	2.92	-3.338	Carbamate
3,4-dichlorobenzyl methylcarbamate	2328-31-6	Clc(ccc1)c(Cl)c1COC(=O)NC	1.1094	1.5026	0.2132	0.6337	1.5581	234.0787	2.95	-3.43	Carbamate
2,3(and 3,4)-dichlorobenzyl methylcarbamate	62046-37-1	O=C(OCc1c(c(ccc1)Cl)Cl)NC	1.1094	1.5026	0.2132	0.6337	1.5581	234.0787	2.95	-3.43	Carbamate
promecarb	2631-37-0	CNC(=O)Oc1cc(C)cc(c1)C(C)C	0.8918	1.2135	0.2132	0.6816	1.736	207.2689	3.1	-3.36	Carbamate
fenethacarb	30087-47-9	CCc1cc(CC)cc(OC(=O)NC)c1	0.8821	1.2293	0.2132	0.654	1.736	207.2689	3.25	-3.488	Carbamate
trimethacarb	12407-86-2	O=C(Oc1cc(c(c(c1)C)C)C)NC	0.91	1.163	0.2132	0.6484	1.5951	193.2423	3.4	-3.514	Carbamate
alanycarb	83130-01-2	c1ccccc1CN(SN(C)C(=O)ON=C(C)SC)CCC(=O)OCC	1.9312	2.1325	0	1.9513	2.9985	399.5302	3.43	-5.042	Carbamate
bufencarb-1	2282-34-0	CNC(=O)Oc1cccc(C(C)CCC)c1	0.8639	1.2798	0.2132	0.6871	1.8769	221.2955	3.61	-3.899	Carbamate
bufencarb-2	672-04-8	CNC(=O)Oc1cccc(C(CC)CC)c1	0.8639	1.2798	0.2132	0.6871	1.8769	221.2955	3.61	-3.899	Carbamate
bufencarb	8065-36-9	c1ccc(C(C)CCC)cc1OC(=O)NC	0.8639	1.2798	0.2132	0.6871	1.8769	221.2955	3.61	-3.899	Carbamate
3,5-diisopropylphenyl methylcarbamate	330-64-3	CNC(=O)Oc1cc(C(C)C)cc(C(C)C)c1	0.8979	1.2064	0.2132	0.7154	2.0178	235.3221	3.79	-4.154	Carbamate
promacyl	34264-24-9	c1c(C)cc(C(C)C)cc1OC(=O)N(C)C(=O)CCC	1.0167	1.4189	0	0.8677	2.3153	277.3588	4.04	-4.677	Carbamate
allyxycarb	6392-46-7	CNC(=O)Oc1cc(C)c(N(CC=C)CC=C)c(C)c1	1.3674	1.6049	0.2132	1.0969	2.3134	274.3582	4.14	-4.734	Carbamate
butacarb	2655-19-8	c1c(C(C)(C)C)cc(C(C)(C)C)cc1OC(=O)NC	0.844	1.1135	0.2132	0.7352	2.2996	263.3752	4.99	-5.384	Carbamate
carbosulfan	55285-14-8	c1(O2)c(CC2(C)C)cccc1OC(=O)N(C)SN(CCCC)CCCC	1.6132	1.7782	0	1.5625	3.0766	380.5458	5.57	-6.733	Carbamate
oxamyl	23135-22-0	CNC(=O)ON=C(SC)C(=O)N(C)C	1.0997	1.7938	0.2132	1.46	1.6049	219.2625	−0.48	-1.709	Carbamate
nitrilacarb	29672-19-3	CC(C)(CCC#N)/C=N\OC(=O)NC	0.6119	1.3132	0.2139	0.9216	1.6215	197.2344			Carbamate
thiofanox	39196-18-4	O=C(ON=C(C(C)(C)C)CSC)NC	0.7518	0.8599	0.2132	0.8922	1.7712	218.3175		-3.142	Carbamate

butocarboxim	34681-10-2	CSC(C)C(C)=NOC(=O)NC	0.7805	0.9019	0.2132	0.8792	1.4894	190.2643		-1.529	Carbamate
metolcarb	1129-41-5	O=C(Oc(cccc1C)c1)NC	0.8612	1.2781	0.2132	0.6471	1.3133	165.1892		-1.858	Carbamate
isoprocarb	2631-40-5	O=C(Oc(c(ccc1)C(C)C)c1)NC	0.8674	1.271	0.2132	0.6809	1.5951	193.2423		-2.584	Carbamate
xmc	2655-14-3	CNC(=O)Oc1cc(C)cc(C)c1	0.8856	1.2206	0.2132	0.6478	1.4542	179.2158		-2.413	Carbamate
2-cyclopentylphenyl methylcarbamate	3282-00-6	CNC(=O)Oc1ccccc1C2CCCC2	1.075	1.3668	0.2132	0.6635	1.7683	219.2796			Carbamate
bendiocarb	22781-23-3	CNC(=O)Oc1cccc2OC(C)(C)Oc12	1.1072	1.5442	0.2132	1.0153	1.6039	223.2253		-2.281	Carbamate
4-(methylamino)-3,5-xylyl methylcarbamate	10389-50-1	Cc1cc(cc(c1NC)C)OC(=O)NC	1.11	1.4614	0.1952	0.9278	1.6949	208.257			Carbamate
hyquincarb	56716-21-3	Cc1cc(c2c(n1)CCCC2)OC(=O)N(C)C	1.1778	1.4002	0	0.9698	1.8681	234.2943			Carbamate
4-amino-3,5-xylylmethylcarbamate	831-76-5	Cc1cc(cc(c1N)C)OC(=O)NC	1.1921	1.6409	0.2921	0.9527	1.554	194.2304			Carbamate
formetanate	22259-30-9	CNC(=O)Oc1cccc(N=CN(C)C)c1	1.1986	1.3816	0.2132	1.2259	1.7517	221.2558		-0.558	Carbamate
ethiofencarb	29973-13-5	CCSCc1ccccc1OC(=O)NC	1.2015	1.4385	0.2132	0.7798	1.7586	225.3083		-2.586	Carbamate
empc	18809-57-9	CCSc1ccc(cc1)OC(=O)NC	1.2072	1.4653	0.2132	0.7665	1.6177	211.2818			Carbamate
pirimicarb	23103-98-2	CN(C)C(=O)Oc1nc(nc(C)c1C)N(C)C	1.224	1.5366	0	1.2653	1.8945	238.2864		-2.391	Carbamate
4-(methylformamido)-3,5-xylyl methylcarbamate	10233-94-0	Cc1cc(cc(c1N(C)C=O)C)OC(=O)NC	1.2642	2.0462	0.2132	1.2255	1.8515	236.2671			Carbamate
benfuracarb	82560-54-1	c1ccc2CC(C)(C)Oc2c1OC(=O)N(C)SN(C(C)C)CCC(=O)OCC	1.687	2.1579	0	1.9176	3.151	410.5287		-5.865	Carbamate
furathiocarb	65907-30-4	c1ccc2CC(C)(C)Oc2c1OC(=O)N(C)SN(C)C(=O)OCCCC	1.7246	2.2954	0	1.6431	2.8692	382.4755		-6.002	Carbamate
thiodicarb	59669-26-0	CC(SC)=NOC(=O)N(C)SN(C)C(=O)ON=C(SC)C	1.9195	1.8188	0	1.8973	2.4701	354.4725		-3.236	Carbamate
cis-thiocarboxime	29118-87-4										Carbamate
tazimcarb	40085-57-2										Carbamate
6-(and 2)-chloro-3,4-xylyl methylcarbamate	8063-85-2										Carbamate
acetaldehyde	75-07-0	O=CC	0.2398	0.7225	0	0.3176	0.4061	44.0526	-0.34	0.766	Carbonyl

3,4-dihydro-2h-pyran-2-carbaldehyde	100-73-2	O(C=CC1)C(C1)C=O	0.6488	1.0643	0	0.6096	0.8768	112.1265	0.14	-0.141	Carbonyl
2,4-pentanedione	123-54-6	CC(=O)CC(=O)C	0.4255	1.1707	0	0.6467	0.8445	100.1158	0.24	-0.274	Carbonyl
propanal	123-38-6	O=CCC	0.238	0.7269	0	0.3207	0.547	58.0791	0.33	-0.131	Carbonyl
formaldehyde	50-00-0	O=C	0.2096	0.6768	0	0.3021	0.2652	30.026	0.35	0.279	Carbonyl
furfural	98-01-1	O=CC(OC=C1)=C1	0.5965	1.0608	0	0.4389	0.6929	96.0841	0.41	-0.254	Carbonyl
benzaldehyde	100-52-7	O=Cc(cccc1)c1	0.8142	1.1832	0	0.4037	0.873	106.1219	1.48	-1.241	Carbonyl
4-nitrobenzaldehyde	555-16-8	O=Cc(ccc(N(=O)(=O))c1)c1	1.0837	1.7532	0	0.5007	1.0472	151.1195	1.53	-2.026	Carbonyl
2-methylpentanal	123-15-9	O=CC(CCC)C	0.2424	0.7242	0	0.3576	0.9697	100.1589	1.73	-1.406	Carbonyl
flonicamid	158062-67-0	FC(F)(F)c1ccncc1C(=O)NCC#N	0.7761	1.9619	0.256	1.02	1.421	229.1588		-1.566	Chordotonal organ modulators - undefined target site
pyrifluquinazon	337458-27-2	CC(=O)N1c2ccc(cc2CN(C1=O)NCc3cccnc3)C(C(F)(F)F)(C(F)(F)F)F	1.6908	1.8102	0.1339	1.8454	2.7557	464.337			Chordotonal organ TRPV channel modulation
potassium dichromate	7778-50-9	[K]O[Cr](=O)(=O)O[Cr](=O)(=O)O[K]							-3.59	0.531	Chromate
chromic acid	7738-94-5	O=[Cr](=O)(O)O						118.01	1.93	-1.71	Chromate
sodium dichromate	10588-01-9	[O-][Cr](=O)(=O)O[Cr](=O)(=O)[O-].[Na+].[Na+]									Chromate
azadirachtin	11141-17-6	CC=C(C)C(=O)OC1CC(OC(=O)C)C(C(=O)OC)(CO3)C2C3C(O)C(C)(C56C(C7)OC8OC=CC8(O)C7C5(C)O6)C(C(O)(C(=O)OC)O4)C12(C4)	2.9734	3.3619	0.6061	3.9877	4.8525	720.7143	-0.77	-5.382	Compounds of unknown or uncertain MOA
gs-omega/kappa hxtx-hv1a peptide	7361-43-5	NCC(=O)NC(C(=O)O)CO	0.9067	2.0267	1.2833	1.8595	1.1615	162.144		0.79	Compounds of unknown or uncertain MOA
pyridalyl	179101-81-6	FC(F)(F)c1ccc(OCCCOc2c(Cl)cc(OCC=C(Cl)Cl)cc2Cl)nc1	1.5888	1.9108	0	0.9318	2.9449	491.1147		-9.263	Compounds of unknown or uncertain MOA
benzoximate	9104-30-1	c1ccccc1C(=O)OC(=NOCC)c2c(OC)ccc(Cl)c2OC	1.6613	1.8298	0	1.2535	2.5993	363.792			Compounds of unknown or uncertain MOA
bromopropylate	18181-80-1	C(O)(c1ccc(Br)cc1)(c2ccc(Br)cc2)C(=O)OC(C)C	2.0189	1.7153	0.172	1.0601	2.5118	428.1151		-6.422	Compounds of unknown or uncertain MOA

lime sulfur	1344-81-6										Compounds of unknown or uncertain MOA
sulfur	7704-34-9	S						32.06		1.468	Compounds of unknown or uncertain MOA
2,2-iminobisethanol	111-42-2	OCCNCCO	0.5843	0.817	0.642	1.1851	0.8894	105.1357	-1.71	0.978	Conflict
sulfinylbis-methane	67-68-5	O=S(C)C	0.5244	1.3687	0	0.7139	0.6126	78.1344	-1.35	1.107	Conflict
2-propenamide	79-06-1	O=C(N)C=C	0.5446	1.1479	0.4867	0.6286	0.6038	71.0779	-0.67	0.851	Conflict
acetonitrile	75-05-8	CC#N	0.19	0.72	0	0.2	0.4042	41.05	-0.34	0.522	Conflict
2-hydroxyethyl acrylate	818-61-1	O=C(OCCO)C=C	0.4285	0.8517	0.2277	0.7884	0.9032	116.1152	-0.21	0.64	Conflict
pymetrozine	123312-89-0	O=C1NN=C(C)CN1N=Cc2cccnc2	1.6265	1.598	0.161	1.4135	1.6001	217.2274	-0.18	-0.642	Conflict
n,n-diethylethanolamine	100-37-8	OCCN(CC)CC	0.4072	0.5812	0.2277	0.9054	1.1125	117.1894	0.05	0.911	Conflict
2-methylimidazole	693-98-1	N(C=CN1)=C1C	0.6438	0.9871	0.3454	0.508	0.6772	82.1039	0.24	-0.007	Conflict
2methyl3butyn2ol	115-19-5	OC(C#C)(C)C	0.4396	0.5664	0.3978	0.406	0.7858	84.12	0.33	0.454	Conflict
2-hydroxypropyl acrylate	999-61-1	O=C(OCC(O)C)C=C	0.4364	0.8402	0.2277	0.8191	1.0441	130.1418	0.35	0.06	Conflict
allylcyanid	109-75-1	C=CCC#N						67.09	0.4	-0.299	Conflict
3-hydroxy-2-nitropyridine	15128-82-2	Oc1cccnc1N(=O)=O	0.9987	1.3671	0.1116	0.6372	0.9082	140.0969	0.72	-0.839	Conflict
resorcinol	108-46-3	Oc(cccc1O)c1	0.9911	1.0995	0.9981	0.6065	0.8338	110.11	0.8	-0.109	Conflict
4-nitrobenzamide	619-80-7	NC(=O)C1=CC=C(C=C1)[N+]([O-])=O	1.27	2.12	0.49	0.76	1.147	166.14	0.82	-1.504	Conflict
1,2-benzenediol	120-80-9	Oc(c(O)ccc1)c1	0.9296	1.0785	0.7737	0.5319	0.8338	110.11	0.88	-0.177	Conflict
2,3-dibromo-1-propanol	96-13-9	OCC(Br)CBr	0.951	0.9039	0.3856	0.4087	0.94	217.8871	0.96	-1.103	Conflict
4-amino-2-nitrophenol	119-34-6	O=N(=O)c(c(O)ccc1N)c1	1.2616	1.6573	0.4071	0.6583	1.0491	154.13	0.96	-1.146	Conflict
2-amino-4-chloro-6-methylpyrimidine	5600-21-5	Cc1cc(Cl)nc(N)n1	1.1155	1.187	0.2955	0.6457	0.9973	143.5741	1.07	-1.164	Conflict
1-hexen-3-ol	4798-44-1	OC(C=C)CCC	0.3343	0.5053	0.3126	0.3968	0.9697	100.16	1.12	-0.801	Conflict
3-methylpyridine	108-99-6	n(cccc1C)c1	0.6244	0.7645	0	0.3999	0.8162	93.1265	1.2	0.393	Conflict
4-methylpyridine	108-89-4	n(ccc(c1)C)c1	0.6244	0.7645	0	0.3999	0.8162	93.1265	1.22	0.376	Conflict
isovaleraldehyde	590-86-3	O=CCC(C)C	0.2441	0.7198	0	0.3545	0.8288	86.1323	1.23	-0.885	Conflict
para-aminopropiophenone	70-69-9	O=C(c(ccc(N)c1)c1)CC	1.0921	1.5242	0.2266	0.7411	1.2546	149.1898	1.25	-1.356	Conflict

valeraldehyde	110-62-3	O=CCCCC	0.2344	0.7356	0	0.3269	0.8288	86.1323	1.31	-0.948	Conflict
4-nitroaniline	100-01-6	N(=O)(=O)c(ccc(N)c1)c1	1.1286	1.6512	0.2834	0.5274	0.9904	138.13	1.31	-1.397	Conflict
phenobarbital	50-06-6	CCC1(C(=O)NC(=O)NC1(=O))c2cccccc2	1.5557	1.8059	0.5232	1.2907	1.6999	232.2354	1.33	-2.15	Conflict
cis3hexen1ol	928-96-1	OCCC=CCC	0.3565	0.5625	0.3126	0.3815	0.9697	100.16	1.34	-0.797	Conflict
1,4-dinitrobenzene	100-25-4	N(=O)(=O)c(ccc(N(=O)(=O))c1)c1	1.0955	1.8321	0	0.3092	1.0648	168.11	1.46	-2.065	Conflict
2-ethoxyethyl methacrylate	2370-63-0	O=C(OCCOCC)C(=C)C	0.2019	0.7504	0	0.6551	1.3259	158.195	1.49	-1.63	Conflict
1,3-dinitrobenzene	99-65-0	[O-][N+](=O)C1=CC(=CC=C1)[N+]([O-])=O	1.1	1.83	0	0.31	1.0648	168.11	1.49	-2.09	Conflict
2,2,2-trichloroethanol	115-20-8	OCC(Cl)(Cl)Cl	0.51	0.71	0.42	0.29	0.8163	149.4	1.61	-0.994	Conflict
n-methylaniline	100-61-8	CNc1ccccc1						107.16	1.66	-1.402	Conflict
2-phenyl-3-butyn-2-ol	127-66-2	OC(C#C)(c(cccc1)c1)C	1.0354	0.9583	0.3978	0.6294	1.2527	146.19	1.68	-1.181	Conflict
metribuzin	21087-64-9	CC(C)(C)c1c(=O)n(c(nn1)SC)N							1.7	-2.216	Conflict
tert-butylacetate	540-88-5	CC(=O)OC(C)(C)C						116.16	1.76	-1.553	Conflict
hexaldehyde	66-25-1	O=CCCCCC	0.2327	0.74	0	0.33	0.9697	100.1589	1.78	-1.453	Conflict
salicylaldehyde	90-02-8							122.12	1.81	-1.059	Conflict
4-chloroaniline	106-47-8	Nc(ccc(c1)Cl)c1	1.0103	1.1923	0.2834	0.4173	0.9386	127.57	1.83	-1.696	Conflict
nitrobenzene	98-95-3	N(=O)(=O)c(cccc1)c1	0.826	1.262	0	0.2122	0.8906	123.11	1.85	-2.07	Conflict
hexazinone	51235-04-2	Cn1c(nc(=O)n(c1=O)C2CCCCC2)N(C)C							1.85	-2.621	Conflict
benzocaine	94-09-7	CCOC(=O)c1ccc(cc1)N						165.19	1.86	-1.995	Conflict
6-chloro-2-picoline	18368-63-3								1.89	-1.838	Conflict
ortho-chloroaniline	95-51-2	Nc(cccc1Cl)c1	0.9859	1.1636	0.2266	0.4175	0.9386	127.57	1.9	-1.755	Conflict
4-nitrophenol	100-02-7	N(=O)(=O)c(ccc(O)c1)c1	1.0535	1.4726	0.6702	0.4858	0.9493	139.11	1.91	-1.268	Conflict
4-ethylaniline	589-16-2	Nc(ccc(c1)CC)c1	0.8816	1.0279	0.2266	0.4342	1.098	121.18	1.96	-1.76	Conflict
4-benzoylpyridine	14548-46-0								1.98	-2.229	Conflict
quinoline	91-22-5	c1ccc2c(c1)cccn2						129.16	2.03	-1.878	Conflict
dicoumarol	66-76-2	O=C1Oc2ccccc2C(O)=C1CC3=C(O)c4ccccc4OC3=O	2.3752	2.4819	0.6253	1.5693	2.2735	336.295	2.07	-3.42	Conflict

bromacil	314-40-9	CCC(C)n1c(=O)c(c([nH]c1=O)C)Br						261.12	2.11	-2.907	Conflict
isopropyl methacrylate	4655-34-9	O=C(OC(C)C)C(=C)C	0.174	0.5758	0	0.4673	1.1263	128.169	2.18	-2.059	Conflict
1-chloro-2-nitrobenzene	88-73-3	O=N(=O)c(c(ccc1)Cl)c1	0.9734	1.3421	0	0.2093	1.013	157.56	2.24	-2.654	Conflict
1-methyl-3-nitrobenzene	99-08-1	N(=O)(=O)c(cccc1C)c1	0.8503	1.2045	0	0.2129	1.0315	137.14	2.45	-2.685	Conflict
4ethoxy2nitroaniline	616-86-4	O=N(=O)c(c(N)ccc1OCC)c1	1.229	1.5744	0.1769	0.689	1.3309		2.47	-2.743	Conflict
benzofuran	271-89-6	c1ccc2ccoc2c1	1.0572	0.8935	0	0.2086	0.9053	118.1326	2.54	-2.344	Conflict
3,4-dichloro-1-butene	760-23-6	C(C(Cl)CCl)=C	0.5058	0.5293	0.0014	0.1863	0.874	124.9958	2.6	-2.338	Conflict
3-methylindole	83-34-1	Cc1c[nH]c2c1cccc2						131.18	2.6	-2.379	Conflict
atrazine	1912-24-9	CCNc1nc(nc(n1)Cl)NC(C)C						215.69	2.61	-3.003	Conflict
alpha,alpha,alpha,4-tetrafluorootoluidine	393-39-5	Nc1ccc(F)cc1C(F)(F)F	0.4422	0.8527	0.2834	0.3088	1.0275		2.62	-2.42	Conflict
3-bromothiophene	872-31-1	C1=CC(Br)=CS1	0.8314	0.7783	0	0.0528	0.8161	163.0366	2.62	-2.628	Conflict
diuron	330-54-1	CN(C)C(=O)Nc1ccc(c(c1)Cl)Cl						233.1	2.68	-3.19	Conflict
folpet	133-07-3	O=C(N(SC(Cl)(Cl)Cl)C(=O)c1cccc2)c12	1.9027	2.1406	0	0.938	1.6924	296.5577	2.85	-3.797	Conflict
methyl-p-chlorobenzoate	1126-46-1	COC(=O)c1ccc(cc1)Cl						170.6	2.87	-2.897	Conflict
phenyl-4-aminosalicylate	133-11-9	Oc1cc(N)ccc1C(=O)Oc2ccccc2	1.6608	1.8963	0.3594	0.744	1.698	229.2314	2.95	-3.563	Conflict
benzyl methacrylate	2495-37-6	O=C(OCc(cccc1)c1)C(=C)C	0.7405	1.0479	0	0.5227	1.4523	176.2118	2.98	-2.647	Conflict
4-nitro-3-(trifluoromethyl)phenol	88-30-2	Oc(ccc1N(=O)=O)cc1C(F)(F)F	0.7155	1.2442	0.861	0.3713	1.143	207.11	3	-2.584	Conflict
2-phenylphenol	90-43-7	OC1=CC=CC=C1C2=CC=CC=C2	1.61	1.37	0.5	0.49	1.3829	170.21	3.09	-2.502	Conflict
2,6-bis(1-methylethyl)benzeneamine	24544-04-5	Nc(c(ccc1)C(C)C)c1C(C)C	0.9201	0.9518	0.079	0.4994	1.6616	177.286	3.18	-3.21	Conflict
bromofenoxim	13181-17-4	c1cc(c(cc1[N+](=O)[O-])[N+](=O)[O-])ON=Cc2cc(c(c(c2)Br)O)Br							3.3	-5.188	Conflict
bisphenol a	80-05-7	Oc(ccc(c1)C(c(ccc(O)c2)c2)(C)C)c1	1.5895	1.4627	0.9981	0.793	1.8643	228.2863	3.32	-3.121	Conflict
2,3,4-trichloroaniline	634-67-3	Nc1ccc(Cl)c(Cl)c1Cl	1.2131	1.3311	0.3523	0.2744	1.1834	196.46	3.33	-3.478	Conflict
desmedipham	13684-56-5	CCOC(=O)Nc2cccc(OC(=O)Nc1ccccc1)c2	1.6736	2.2605	0.7329	1.1943	2.2362	300.3093	3.39	-4.285	Conflict
2,4,6-trimethylphenol	527-60-6	Oc(c(cc(c1)C)C)c1C	0.857	0.7299	0.3117	0.3909	1.1978	136.2	3.42	-1.947	Conflict
2,3,4-trichloroaceto-phenone	13608-87-2	CC(=O)c1ccc(Cl)c(Cl)c1Cl	1.1823	1.3608	0	0.343	1.3811	223.4828	3.61	-3.911	Conflict

dinoterb	1420-07-1	CC(C)(C)c1cc(cc(c1O)[N+](=O)[O-])[N+](=O)[O-]						240.22	3.64	-4.057	Conflict
4-(hexyloxy)benzene-amine	39905-57-2	O(c(ccc(N)c1)c1)CCCCCC	0.9179	1.231	0.2266	0.6487	1.7203		3.66	-3.72	Conflict
2,4,6-trichlorophenol	88-06-2	Oc(c(cc(c1)Cl)Cl)c1Cl	1.0699	0.935	0.4177	0.1522	1.1423	197.45	3.69	-3.213	Conflict
2,4,5-trichlorophenol	95-95-4	OC1=CC(=C(Cl)C=C1Cl)Cl	1.09	1.03	0.69	0.15	1.1423	197.45	3.72	-3.238	Conflict
carbazole	86-74-8	c1ccc2c(c1)c3ccccc3[nH]2						167.21	3.72	-4.708	Conflict
4-phenoxyphenol	831-82-3	O(c(ccc(O)c1)c1)c(cccc2)c2	1.4261	1.4912	0.499	0.6778	1.4416	186.21	3.75	-2.841	Conflict
propyl disulfide	629-19-6	S(SCCC)CCC	0.687	0.4946	0	0.2953	1.281	150.3074	3.84	-3.576	Conflict
4-nitrophenyl-phenylether	620-88-2	c1ccccc1Oc2ccc(N(=O)(=O))cc2	1.4642	1.8195	0	0.5114	1.5571	215.2048	3.92	-4.508	Conflict
4-(1,1-dimethylpropyl)-phenol	80-46-6	Oc(ccc(c1)C(CC)(C)C)c1	0.7857	0.7959	0.499	0.4364	1.4796	164.25	3.98	-3.162	Conflict
tributylphosphate	126-73-8	O=P(OCCCC)(OCCCC)OCCCC	0.254	0.7228	0	1.2455	2.2388	266.3141	4	-4.559	Conflict
di-n-butyl ester isophthalic acid	84-69-5	O=C(OCC(C)C)c(c(ccc1)C(=O)OCC(C)C)c1	0.7385	1.3712	0	0.8515	2.2742	278.3435	4.11	-4.74	Conflict
fenoxycarb	72490-01-8	CCOC(=O)NCCOc1ccc(Oc2ccccc2)cc1	1.4915	2.1059	0.2312	1.1515	2.3203	301.3371	4.3	-5.07	Conflict
abamectin b1a	65195-55-3	O=C4C6C7(C(C(C(C6)C)O)OCC7=CC=CC(C(C(=CCC2OC3(CC(O4)C2)OC(C(CC)C)C(C=C3)C)C)OC5OC(C)C(C(C5)OC)OC1OC(C(C(C1)OC)O)C)C)O	3.2747	3.2521	0.683	4.2369	6.7184	875.0928	4.48	-9.398	Conflict
dibutyl phthalate	84-74-2	O=C(OCCCC)c(c(ccc1)C(=O)OCCCC)c1	0.7191	1.4029	0	0.7963	2.2742	278.3435	4.5	-5.073	Conflict
triphenyl phosphate	115-86-6	c1ccc(cc1)OP(=O)(Oc2ccccc2)Oc3ccccc3						326.29	4.59	-5.499	Conflict
nitrofen	1836-75-5	c1cc(ccc1[N+](=O)[O-])Oc2ccc(cc2Cl)Cl						284.1	4.64	-5.625	Conflict
butyl benzyl phthalate	85-68-7	O=C(OCc(cccc1)c1)c(c(ccc2)C(=O)OCCCC)c2	1.2971	1.8548	0	0.8763	2.4593	312.3597	4.73	-5.517	Conflict
oxyfluorfen	42874-03-3	CCOc1cc(ccc1[N+](=O)[O-])Oc2ccc(cc2Cl)C(F)(F)F							4.73	-6.267	Conflict
4-octylaniline	16245-79-7	Nc1ccc(CCCCCCCC)cc1	0.871	1.0541	0.2266	0.4528	1.9434		5.27	-5.021	Conflict

milbemectin	51596-10-2	CC1CC(C)=CCC2OC3(CCC(C)C(C)O3)CC(C2)OC(=O)C4C=C(C)C(O)C5OCC(C45O)=CC=C1	2.2595	2.0128	0.4978	2.2513	4.1294	528.6769	5.3	-7.579	Conflict
chlordecone	143-50-0	C1(=O)C2(C3(C4(C1(C5(C2(C3(C(C45Cl)(Cl)Cl)Cl)Cl)Cl)Cl)Cl)Cl)Cl						490.64	5.41	-7.396	Conflict
methoprene	40596-69-8	COC(C)(C)CCCC(C)CC=CC(C)=CC(=O)OC(C)C	0.3742	0.8403	0	0.8545	2.8328	310.4715	5.5	-6.161	Conflict
pyriproxyfen	95737-68-1	n1ccccc1OC(C)COc2ccc(Oc3ccccc3)cc2	1.9243	2.1199	0	1.2365	2.4897	321.3698	5.55	-6.281	Conflict
4-nonylphenol	104-40-5	Oc(ccc(c1)CCCCCCCCC)c1	0.7941	0.88	0.499	0.4144	2.0432	220.36	5.76	-5.147	Conflict
etoxazole	153233-91-1	Fc1cccc(F)c1C2=NC(c3ccc(C(C)(C)C)cc3OCC)CO2	1.4615	1.1215	0	0.7908	2.6931	359.4097	7.21	-7.975	Conflict
acetone	67-64-1	CC(=O)C						58.08	−0.24	0.578	Conflict
picloram	1918-02-1	Nc1c(Cl)c(Cl)nc(C(O)=O)c1Cl	1.4496	1.8443	1.0253	0.8864	1.3576	241.4584		-2.584	Conflict
2-ethoxyethyl acetate	111-15-9	CCOCCOC(=O)C						132.16		-0.67	Conflict
diphenylamine	122-39-4	c1ccc(cc1)Nc2ccccc2						169.23		-3.425	Conflict
lactonitrile	78-97-7	N#CC(O)C	0.3985	0.983	0.4326	0.5084	0.6038	71.0779	-0.94	0.816	Cyanate/nitrile
methylene bis(thiocyanate)	6317-18-6	C(#N)SCSC(#N)	1.0579	1.5778	0	0.6298	0.8859	130.1935	0.62	-0.68	Cyanate/nitrile
2,2-dibromo-3-nitrilopropionamide	10222-01-2	O=C(N)C(C#N)(Br)Br	1.118	1.8587	0.4867	0.7024	1.0106	241.8689	0.82	-1.93	Cyanate/nitrile
methyl isothiocyanate	556-61-6	N(=C=S)C	0.6882	0.5026	0	0.0526	0.5677	73.118	1.3	-0.539	Cyanate/nitrile
2-bromo-2-(bromomethyl)pentanedinitrile	35691-65-7	C(#N)C(Br)(CCC(#N))CBr	1.1767	1.6398	0.0014	0.5292	1.3316	265.9333	1.63	-2.797	Cyanate/nitrile
allyl isothiocyanate	57-06-7	N(=C=S)CC=C	0.8086	0.5686	0	0.1097	0.8065	99.1552	2.15	-1.758	Cyanate/nitrile
dithianon	3347-22-6	c1ccc2C(=O)C(S3)=C(SC(C#N)=C3C#N)C(=O)c2c1	2.7215	3.1305	0	1.4829	1.9264	296.3258	2.84	-4.052	Cyanate/nitrile
chlorothalonil	1897-45-6	N#Cc(c(c(c(c1C#N)Cl)Cl)Cl)c1Cl	1.4338	1.9913	0	0.2838	1.5154	265.9099	3.05	-4.01	Cyanate/nitrile
tcmtb	21564-17-0	c1ccc2c(c1)nc(s2)SCSC#N	2.2289	2.0039	0	0.7802	1.5916	238.3554		-3.757	Cyanate/nitrile
1,3,5-triazine, hexahydro-1,3,5-trinitro-	121-82-4	N(=O)(=O)N(CN(N(=O)(=O))CN1N(=O)(=O))C1	1.3818	2.4119	0	2.1306	1.2447	222.1166	0.87	-1.564	Di/trinitroaromatic

1,3,5-trinitrobenzene	99-35-4	O=N(=O)c(cc(N(=O)=O)cc1N(=O)=O)c1	1.3651	2.4022	0	0.4061	1.239	213.1046	1.18	-2.153	Di/trinitroaromatic
trinitrotoluene	118-96-7	N(=O)(=O)c(cc(N(=O)(=O))c(c1N(=O)(=O))C)c1	1.3894	2.3446	0	0.4068	1.3799	227.1312	1.99	-2.614	Di/trinitroaromatic
oryzalin	19044-88-3	CCCN(CCC)c1c(cc(cc1N(=O)=O)S(N)(=O)=O)N(=O)=O	1.9268	2.9534	0.4419	1.4171	2.3907	346.3607	3.73	-4.911	Di/trinitroaromatic
dinobuton	973-21-7	CCC(C)c1cc(cc(N(=O)=O)c1OC(=O)OC(C)C)N(=O)=O	1.194	2.1779	0	0.8612	2.3251	326.302	3.94	-5.336	Di/trinitroaromatic
fluchloralin	33245-39-5	CCCN(CCCl)c1c(cc(cc1N(=O)=O)C(F)(F)F)N(=O)=O	1.1105	1.9799	0.0007	0.5486	2.1852	355.6973	4.63	-5.748	Di/trinitroaromatic
pendimethalin	40487-42-1	CCC(CC)Nc1c(cc(C)c(C)c1N(=O)=O)N(=O)=O	1.4225	1.5937	0.0501	0.5699	2.1509	281.3078	4.82	-5.676	Di/trinitroaromatic
ethalfluralin	55283-68-6	O=N(=O)c(c(N(CC(=C)C)CC)c(N(=O)=O)cc1C(F)(F)F)c1	1.0903	1.8427	0	0.6191	2.1607	333.2633	5.11	-5.994	Di/trinitroaromatic
butralin	33629-47-9	O=N(=O)c(c(NC(CC)C)c(N(=O)=O)cc1C(C)(C)C)c1	1.3791	1.5934	0.0501	0.6098	2.2918	295.3344	5.15	-5.564	Di/trinitroaromatic
benfluralin	1861-40-1	CCCCN(CC)c1c(cc(cc1N(=O)=O)C(F)(F)F)N(=O)=O	0.9875	1.8423	0	0.5522	2.2037	335.2792	5.31	-6.163	Di/trinitroaromatic
trifluralin	1582-09-8	CCCN(CCC)c1c(cc(cc1N(=O)(=O))C(F)(F)F)N(=O)(=O)	0.9875	1.8423	0	0.5522	2.2037	335.2792	5.34	-6.205	Di/trinitroaromatic
isopropalin	33820-53-0	CCCN(CCC)c1c(cc(cc1N(=O)=O)C(C)C)N(=O)=O	1.3561	2.006	0	0.7012	2.4327	309.3609	5.8	-6.413	Di/trinitroaromatic
chlorobenzilate	510-15-6	O=C(OCC)C(O)(c(ccc(c1)Cl)c1)c(ccc(c2)Cl)c2	1.6451	1.563	0.172	1.029	2.2657	325.186	3.99	-5.109	Diphenyl sodium channel modulation
chloropropylate	5836-10-2	CC(C)OC(=O)C(O)(c1ccc(Cl)cc1)c2ccc(Cl)cc2	1.653	1.5515	0.172	1.0597	2.4066	339.2125	4.41	-4.93	Diphenyl sodium channel modulation
chlorfenethol	80-06-8	CC(O)(c1ccc(Cl)cc1)c2ccc(Cl)cc2	1.6608	1.3781	0.3126	0.696	1.9095	267.1499	4.45	-4.441	Diphenyl sodium channel modulation
methoxychlor	72-43-5	COc1ccc(cc1)C(c2ccc(OC)cc2)C(Cl)(Cl)Cl	1.5909	1.5455	0	0.6469	2.3724	345.6472	5.08	-6.059	Diphenyl sodium channel modulation

bulan	117-26-0	CCC(C(c1ccc(Cl)cc1)c2ccc(Cl)cc2)N(=O)=O	1.6825	1.7785	0.0007	0.4787	2.3068	324.2012	5.48	-6.633	Diphenyl sodium channel modulation
dicofol	115-32-2	OC(c1ccc(Cl)cc1)(c2ccc(Cl)cc2)C(Cl)(Cl)Cl	1.9627	1.6419	0.42	0.6809	2.2767	370.4842	5.81	-5.678	Diphenyl sodium channel modulation
p,p'-ddd	72-54-8	ClC(Cl)C(c1ccc(Cl)cc1)c2ccc(Cl)cc2	1.6736	1.4445	0.088	0.2207	2.0956	320.04	6.02	-6.675	Diphenyl sodium channel modulation
dde	72-55-9	ClC(Cl)=C(c1ccc(Cl)cc1)c2ccc(Cl)cc2	1.8025	1.5328	0	0.2967	2.0526	318.0241	6.51	-7.079	Diphenyl sodium channel modulation
ethylan	72-56-0	CCc1ccc(cc1)C(C(Cl)Cl)c2ccc(CC)cc2	1.424	1.1781	0.088	0.2341	2.4144	307.2568	6.66	-7.13	Diphenyl sodium channel modulation
ddt	50-29-3	c(ccc(c1)Cl)(c1)C(c(ccc(c2)Cl)c2)C(Cl)(Cl)Cl	1.758	1.5118	0	0.215	2.218	354.4848	6.91	-7.686	Diphenyl sodium channel modulation
1,1-bis(p-bromophenyl)-2,2,2-trichloroethane	2990-17-2	Brc(ccc1C(c(ccc2Br)cc2)C(Cl)(Cl)Cl)cc1	2.1239	1.6756	0	0.2154	2.3232	443.3874	7.29	-8.654	Diphenyl sodium channel modulation
tebufenozide	112410-23-8	c1cc(CC)ccc1C(=O)NN(C(C)(C)C)C(=O)c2cc(C)cc(C)c2	1.8399	2.6313	0.2553	1.4252	2.9642	352.47		-5.4	Ecdysone receptor agonists
halofenozide	112226-61-6	CC(C)(C)N(NC(=O)C1=CC=C(Cl)C=C1)C(=O)C1=CC=CC=C1	1.9159	2.8796	0.2553	1.4171	2.523	330.8084		-4.362	Ecdysone receptor agonists
chromafenozide	143807-66-3	Cc1cc(cc(c1)C(=O)N(C(C)(C)C)NC(=O)c2ccc3c(c2C)CCCO3)C	2.1391	2.7576	0.2553	1.6153	3.1961	394.5067			Ecdysone receptor agonists
2-(ethylamino)ethanol	110-73-6							89.14	-0.46	1.05	Ester
methyl acetate	79-20-9	O=C(OC)C	0.0686	0.5737	0	0.3604	0.6057	74.0785	0.18	0.103	Ester
1,2-ethanediol diacetate	111-55-7	O=C(OCCOC(=O)C)C	0.1274	0.9824	0	0.6971	1.1028	146.1412	0.4	-0.614	Ester
halosulfuron methyl	100784-20-1	COC(=O)c1c(Cl)nn(C)c1S(=O)(=O)NC(=O)Nc2nc(OC)cc(OC)n2	2.4516	3.5162	0.7458	2.373	2.7177	434.8131	0.4	-3.662	Ester
acetic acid ethyl ester	141-78-6	O=C(OCC)C	0.0668	0.5781	0	0.3635	0.7466	88.1051	0.86	-0.469	Ester
diethylmalonate	105-53-3	CCOC(=O)CC(=O)OCC	0.1256	0.9867	0	0.7002	1.2437	160.1678	0.96	-1.19	Ester
propanoic acid, ethyl ester	105-37-3	O=C(OCC)CC	0.0651	0.5824	0	0.3666	0.8875	102.1317	1.21	-0.981	Ester
propylacetate	109-60-4	CCCOC(=O)C	0.0651	0.5824	0	0.3666	0.8875	102.1317	1.24	-1.006	Ester
4-(4-(acetyloxy)phenyl)-2-butanone	3572-06-3	O=C(Oc(ccc(c1)CCC(=O)C)c1)C	0.8743	1.4818	0	0.7603	1.6519	206.2378	1.56	-2.038	Ester
cimecticarb	95266-40-3	C1CC1C(O)=C2C(=O)CC(C(=O)OCC)CC2=O	1.2319	2.0011	0.3126	1.3783	1.8446	252.2631	1.6	-2.407	Ester

metalaxyl	57837-19-1	COCC(=O)N(C(C)C(=O)OC)c1c(C)cccc1C	1.063	1.8705	0	1.3034	2.2331	279.3316	1.65	-2.698	Ester
dimethyl phthalate	131-11-3	O=C(OC)c(c(ccc1)C(=O)OC)c1	0.7297	1.3767	0	0.7777	1.4288	194.184	1.66	-1.984	Ester
Dimethylnitrotere-phthalate	5292-45-5	COC(=O)c1ccc(c(c1)[N+](=O)[O-])C(=O)OC	0.9993	1.9468	0	0.8747	1.603	239.1816	1.66	-2.6	Ester
diethyladipate	141-28-6							202.25	1.75	-2.7	Ester
tetrahydrofurfuryl methacrylate	2455-24-5	O=C(OCC(OCC1)C1)C(=C)C	0.421	0.826	0	0.6622	1.3582	170.2057	1.8	-1.978	Ester
butyl acetate	123-86-4	O=C(OCCCC)C	0.0633	0.5868	0	0.3697	1.0284	116.1583	1.85	-1.57	Ester
dipropyl 2,5-pyridinedicarboxylate	136-45-8	n1cc(C(=O)OCCC)ccc1C(=O)OCCC	0.7662	1.5242	0	1.0741	1.9513	251.2784	2.12	-4.082	Ester
methyl anthranilate	134-20-3	O=C(OC)c(c(N)ccc1)c1	0.9802	1.2143	0.1769	0.7174	1.1724	151.1626	2.26	-1.91	Ester
primisulfuron-methyl	86209-51-0	COC(=O)c1ccccc1S(=O)(=O)NC(=O)Nc2nc(OC(F)F)cc(OC(F)F)n2	1.7242	3.0576	0.9217	2.0102	2.7049	468.3382	2.41	-4.669	Ester
diethyl phthalate	84-66-2	O=C(OCC)c(c(ccc1)C(=O)OCC)c1	0.7262	1.3854	0	0.7839	1.7106	222.2372	2.42	-2.889	Ester
azoxystrobin	131860-33-8	N#Cc1ccccc1Oc2ncnc(Oc3ccccc3C(C(=O)OC)=COC)c2	2.3174	3.0145	0	1.8393	2.9165	403.3876	2.5	-4.541	Ester
fluthiacet methyl	117337-19-6	N12CCCCN1C(=O)SC2=Nc3cc(SCC(=O)OC)c(Cl)cc3F	2.4265	2.4965	0	1.7723	2.5808	403.8811	2.59	-5.364	Ester
ethylbenzoate	93-89-0	CCOC(=O)c1ccccc1	0.6413	1.0387	0	0.4496	1.2135	150.1745	2.64	-2.552	Ester
Diethylbenzyl-malonate	607-81-8	CCOC(=O)C(Cc1ccccc1)C(=O)OCC	0.7062	1.4403	0	0.8202	1.9924	250.2903	2.76	-3.383	Ester
ethylhexanoate	123-66-0	CCCCCC(=O)OCC	0.0598	0.5955	0	0.3759	1.3102	144.2114	2.83	-2.67	Ester
hexylacetate	142-92-7	CCCCCCOC(=O)C	0.0598	0.5955	0	0.3759	1.3102	144.2114	2.83	-2.67	Ester
ethyl salicylate	118-61-6	O=C(OCC)c(c(O)ccc1)c1	0.8023	1.0646	0.1328	0.4018	1.2722	166.1739	3.09	-2.353	Ester
dibutyladipate	105-99-7	CCCCOC(=O)CCCCC(=O)OCCCC	0.1132	1.0173	0	0.7219	2.23	258.3538	3.55	-4.786	Ester
dibutylsuccinate	141-03-7	CCCCOC(=O)CCC(=O)OCCCC	0.1167	1.0086	0	0.7157	1.9482	230.3007	3.6	-3.743	Ester
diethatyl ethyl	38727-55-8	CCOC(=O)CN(C(=O)CCl)c1c(CC)cccc1CC	1.1333	1.8782	0.0007	1.0661	2.4377	311.8035	3.62	-4.548	Ester
methyl chrysanthemate	24141-52-4	COC(=O)C1C(C)(C)C1C=C(C)C	0.4042	0.6392	0	0.5305	1.5813	182.2594	3.77	-3.742	Ester
2,4-d isopropyl ester	94-11-1	CC(C)OC(=O)COc1ccc(Cl)cc1Cl	0.9447	1.366	0	0.6137	1.7988	263.1166	3.81	-4.375	Ester
phenyl salicylate	118-55-8	O=C(Oc(cccc1)c1)c(c(O)ccc2)c2	1.3785	1.5208	0.1328	0.4849	1.5982	214.2167	3.82	-3.446	Ester
diethylsebacate	110-40-7	CCOC(=O)CCCCCCCCC(=O)OCC	0.1132	1.0173	0	0.7219	2.23	258.3538	3.9	-4.786	Ester

clodinafop-propargyl	105512-06-9	n1cc(Cl)cc(F)c1Oc2ccc(OC(C)C(=O)OCC#C)cc2	1.6513	2.1516	0.0852	1.252	2.3743	349.7406	3.9	-5.081	Ester
bromoxynil butyrate	3861-41-4	Brc1cc(C#N)cc(Br)c1OC(=O)CCC	1.4217	1.8393	0	0.521	1.8591	347.0027	3.94	-5.36	Ester
triclopyr butoxyethyl ester	64700-56-7	O=C(OCCOCCCC)COC(N=C(Cl)C(Cl)=C1)=C1Cl	1.1232	1.7794	0	1.0124	2.3615	356.6286	4.01	-5.228	Ester
2,4-d butoxyethanol ester	1929-73-3	CCCCOCCOC(=O)COc1ccc(Cl)cc1Cl	0.9691	1.5494	0	0.8077	2.2802	321.1957	4.1	-5.046	Ester
ethyl chrysanthemate	97-41-6	O=C(OCC)C(C1(C)C)C1C=C(C)C	0.4024	0.6436	0	0.5336	1.7222	196.286	4.26	-4.274	Ester
benzoylprop ethyl	33878-50-1	CCOC(=O)C(C)N(C(=O)c1ccccc1)c2ccc(Cl)c(Cl)c2	1.8071	2.4718	0	1.0938	2.6043	366.2379	4.27	-5.513	Ester
quizalofop-ethyl	76578-14-8	n1c2ccc(Cl)cc2ncc1Oc3ccc(OC(C)C(=O)OCC)cc3	2.2639	2.308	0	1.4209	2.6297	372.8021	4.28	-5.573	Ester
2,4-d butyl ester	94-80-4	CCCCOC(=O)COc1ccc(Cl)cc1Cl	0.9332	1.3862	0	0.5891	1.9397	277.1432	4.38	-4.959	Ester
trifloxystrobin	141517-21-7	c2(C(F)(F)F)cc(ccc2)C(=NOCc1c(ccccc1)C(C(=O)OC)=NOC)C	1.3171	1.2868	0	1.1637	2.8096	408.3711	4.5	-6.02	Ester
dichlorprop-butoxyethyl ester	53404-31-2	O=C(OCCOCCCC)C(Oc(c(cc(c1)Cl)Cl)c1)C	0.9771	1.538	0	0.8384	2.4211	335.2223	4.52	-5.505	Ester
fluroxypyr 1-methylheptyl ester	81406-37-3	n1c(F)c(Cl)c(N)c(Cl)c1OCC(=O)OC(C)CCCCCC	1.1113	1.8778	0.2955	1.061	2.5796	367.2427	4.53	-5.746	Ester
fenoxaprop-ethyl	66441-23-4	o1c2cc(Cl)ccc2nc1Oc3ccc(OC(C)C(=O)OCC)cc3	2.0935	2.3216	0	1.313	2.4907	361.7761	4.58	-5.749	Ester
diclofop methyl	51338-27-3	COC(=O)C(C)Oc2ccc(Oc1ccc(Cl)cc1Cl)cc2	1.5887	1.9503	0	0.8995	2.3244	341.1854	4.62	-5.633	Ester
flumiclorac-pentyl	87546-18-7	Fc1cc(Cl)c(OCC(=O)OCCCCC)cc1N2C(=O)C(CCCC3)=C3C2=O	1.6345	2.3124	0	1.3859	2.974	423.8622	4.99	-6.551	Ester
piperalin	3478-94-2	CC1CCCCN1CCCOC(=O)c2cc(Cl)c(Cl)cc2	1.2925	1.4809	0	0.9518	2.4358	330.2489	5.08	-4.281	Ester
bromoxynil octanoate	1689-99-2	O=C(Oc(c(cc(C#N)c1)Br)c1Br)CCCCCCC	1.4146	1.8568	0	0.5334	2.4227	403.109	5.4	-7.015	Ester
thiazopyr	117718-60-2	S1CCN=C1c2c(C(F)(F)F)nc(C(F)F)c(C(=O)OC)c2CC(C)C	0.9238	0.7882	0.088	0.8402	2.4993	396.3765	5.76	-5.412	Ester
kresoxim methyl	143390-89-0	Cc1ccccc1OCc2ccccc2C(=NOC)C(=O)OC	1.5114	1.5754	0	1.1203	2.4182	313.3478	5.88	-4.389	Ester

2,4-dp, 2-eh ester	79270-78-3	CCCCC(CC)COC(=O)C(C)Oc1ccc(cc1Cl)Cl	0.9438	1.3764	0	0.6599	2.6442	347.2761			Ester
valifenalate	283159-90-0	Clc1ccc(cc1)C(NC(=O)[C@@H](NC(=O)OC(C)C)C(C)C)CC(=O)OC	1.3782	2.665	0.4685	1.6721	3.0346	398.8809			Ester
pinoxaden	243973-20-8	CCc1cc(cc(c1c2c(=O)n3n(c2OC(=O)C(C)(C)C)CCOCC3)CC)C	1.752	2.2149	0	1.8812	3.1999	400.5113			Ester
diazepam	439-14-5	O=C(N(c(c(cc(c1)Cl)C(=N2)c(cccc3)c3)c1)C)C2	2.1079	1.7246	0	1.0406	2.0739	284.74	2.7	-3.685	GABA agonism
avermectin b1b	65195-56-4	C=5C2(OC(C(C5)C)C(C)C)CC1CC(CC=C(C(OC6CC(C(OC7OC(C(C(C7)OC)O)C)C(C)O6)OC)C(C=CC=C3C4(C(OC3)C(C(=CC4C(=O)(O1))C)O)O)C)C)O2	3.4015	3.3054	0.683	4.2855	6.5345	859.0503	3.9	-8.788	GABA agonism
ivermectin	70288-86-7	COC1C(O)C(C)OC(OC2C(C)OC(OC(C(C)=CCC3CC6CC7(OC(C(C)C)C(C)CC7)O3)C(C=CC=C4C5(O)C(C(O)C(C)=CC5C(O6)=O)OC4)C)CC2OC)C1	3.2456	3.2068	0.683	4.2222	6.5775	861.0662	4.11	-8.987	GABA agonism
ivermectin b1a	71827-03-7	O1C(C)C(O)C(OC)CC1OC2C(C)OC(CC2OC)OC3C(C)C=CC=C(C4)C(O)(C(O4)C5O)C(C=C5C)C(=O)OC(CC6(CCC7C)OC7C(C)CC)CC(O6)CC=C3C	3.2438	3.2111	0.683	4.2253	6.7184	875.0928	4.61	-9.508	GABA agonism
doramectin	117704-25-3	C=5C2(OC(C(C5)C)C6CCCCC6)CC1CC(CC=C(C(OC7OC(C(OC8CC(OC)C(O)C(C)O8)C(C7)OC)C)C(C=CC=C3C4(C(OC3)C(C(=CC4C(O1)=O)C)O)O)C)C)O2	3.6073	3.4055	0.683	4.2712	6.8486	899.1142	5.26	-10.242	GABA agonism
milbemycin a3	51596-11-3	CC1CC(C)=CCC2OC3(CCC(C)C(CC)O3)CC(C2)OC(=O)C4C=C(C)C(O)C5OCC(C45O)=CC=C1	2.2577	2.0172	0.4978	2.2544	4.2703	542.7034	5.9	-8.194	GABA agonism

moxidectin	113507-06-5	C[C@@H]\1C/C(=C/C[C@@H]2C[C@@H](C[C@@]3(O2)C/C(=N\OC)/[C@@H]([C@H](O3)/C(=C/C(C)C)/C)C)OC(=O)[C@@H]4C=C([C@H]([C@@H]5[C@]4(/C(=C/C=C1)/CO5)O)O)C)/C	2.6043	2.0931	0.4978	2.7415	5.0473	639.8187			GABA agonism
lepimectin	171249-05-1	CC[C@@H]1[C@H](CC[C@@]2(O1)C[C@@H]3C[C@H](O2)C/C=C(/[C@@H]([C@H](/C=C/C=C/4\CO[C@H]5[C@@]4([C@@H](C=C([C@H]5O)C)C(=O)O3)O)C)OC(=O)/C(=N\OC)/c6ccccc6)\C)C	3.1099	2.903	0.4978	3.0727	5.4907	719.8603			GABA agonism
selamectin	165108-07-6	C[C@H]1CC[C@@]2(C[C@@H]3C[C@H](O2)C/C=C(/[C@H]([C@H](/C=C/C=C/4\CO[C@H]\5[C@@]4([C@@H](C=C(/C5=N\O)C)C(=O)O3)O)C)O[C@H]6C[C@@H]([C@H]([C@@H](O6)C)O)OC)\C)O[C@@H]1C7CCCCC7	3.2384	2.7089	0.7254	3.5397	5.8946	769.9605			GABA agonism
abamectin	71751-41-2	CC[C@H](C)[C@@H]1[C@H](C=C[C@@]2(O1)C[C@@H]3C[C@H](O2)C/C=C(/[C@H]([C@H](/C=C/C=C/4\CO[C@H]5[C@@]4([C@@H](C=C([C@H]5O)C)C(=O)O3)O)C)O[C@H]6C[C@@H]([C@H]([C@@H](O6)C)O[C@H]7C[C@@H]([C@H]([C@@H](O7)C)O)OC)OC)\C)C	3.3997	3.3098	0.683	4.2886	6.6754	873.0769			GABA agonism

eprinomectin b1a	133305-88-1	CC[C@H](C)[C@@H]1[C@H](C=C[C@@]2(O1)C[C@@H]3C[C@H](O2)C/C=C(/[C@H]([C@H](/C=C/C=C/4\CO[C@H]5[C@@]4([C@@H](C=C([C@H]5O)C)C(=O)O3)O)C)O[C@H]6C[C@@H]([C@H]([C@@H](O6)C)O[C@H]7C[C@@H]([C@@H]([C@@H](O7)C)NC(=O)C)OC)OC)\C)C	3.4156	4.0269	0.7802	4.4249	7.014	914.1288			GABA agonism
emamectin benzoate	155569-91-8										GABA agonism
ivermectin b1b	70209-81-3										GABA agonism
milbemycin oxime	93074-04-5										GABA agonism
daminozide	1596-84-5	CN(C)NC(=O)CCC(O)=O	0.6468	1.6789	0.8269	1.4186	1.2437	160.1712	-1.51	-0.399	Hydrazine
1,1-dimethylhydrazine	57-14-7	N(N)(C)C	0.4304	0.5662	0.2107	0.9509	0.59	60.0984	-1.19	1.221	Hydrazine
Monomethyl-hydrazine	60-34-4	N(N)C	0.4138	0.5548	0.3446	0.896	0.4491	46.0718	-1.05	1.337	Hydrazine
methoxyfenozide	161050-58-4	Cc1c(OC)cccc1C(=O)NN(C(C)(C)C)C(=O)c2cc(C)cc(C)c2	1.9054	2.7238	0.2553	1.6351	3.0229	368.4694	3.7	-5.046	Hydrazine
spiromesifen	283594-90-1	CC1=CC(C)=C(C2=C(OC(=O)CC(C)(C)C)C3(CCCC3)OC2=O)C(C)=C1	1.2637	1.3353	0	0.9301	3.0003	370.4819		-7.09	Inhibition of acetyl COA carboxylase
spirodiclofen	148477-71-8	CCC(C)(C)C(=O)OC1=C(C(=O)OC11CCCCC1)C1=CC(Cl)=CC(Cl)=C1	1.4632	1.6588	0	0.8693	2.9633	411.3183		-7.505	Inhibition of acetyl COA carboxylase
spirotetramat	203313-25-1	CCOC(=O)OC1=C(C(=O)N[C@@]11CC[C@@H](CC1)OC)C1=C(C)C=CC(C)=C1	1.5291	2.138	0.2553	1.5104	2.877	373.4428			Inhibition of acetyl COA carboxylase
bistrifluron	201593-84-2	Clc2c(cc(cc2NC(=O)NC(=O)c1c(F)cccc1F)C(F)(F)F)C(F)(F)F	0.9475	1.6674	0.7195	0.7146	2.382	446.679			Inhibition of chitin biosynthesis, type 0
novaluron	116714-46-6	FC(OC(F)(F)F)C(F)(F)OC1=C(Cl)C=C(NC(=O)NC(=O)C2=C(F)C=CC=C2F)C=C1	1.1619	2.0948	0.6651	1.2091	2.6403	492.7044		-7.292	Inhibition of chitin biosynthesis, type 0
noviflumuron	121451-02-3	C1=CC(=C(C(=C1)F)C(=O)NC(=O)NC2=CC(=C(C(=C2F)Cl)OC(C(C(F)(F)F)(F)F)Cl)F	1.3259	1.9666	0.7872	0.9414	2.7216	529.1402			Inhibition of chitin biosynthesis, type 0

lufenuron	103055-07-8	FC(C(F)(F)F)C(F)(F)OC1=CC(Cl)=C(NC(=O)NC(=O)C2=C(F)C=CC=C2F)C=C1Cl	1.47	2.0146	0.7527	1.0374	2.704	511.1497		-7.298	Inhibition of chitin biosynthesis, type 0
hexaflumuron	86479-06-3	FC(F)C(F)(F)OC1=C(Cl)C=C(NC(=O)NC(=O)C2=C(F)C=CC=C2F)C=C1Cl	1.4899	2.0984	0.7868	0.9652	2.5279	461.1422		-7.412	Inhibition of chitin biosynthesis, type 0
teflubenzuron	83121-18-0	FC1=CC=CC(F)=C1C(=O)NC(=O)NC1=C(F)C(Cl)=C(F)C(Cl)=C1	1.5009	2.1613	0.7556	0.7103	2.1522	381.1087		-5.873	Inhibition of chitin biosynthesis, type 0
triflumuron	64628-44-0	FC(F)(F)OC1=CC=C(NC(=O)NC(=O)C2=CC=CC=C2Cl)C=C1	1.5352	2.1549	0.5955	1.0911	2.2118	358.6995		-6.009	Inhibition of chitin biosynthesis, type 0
flufenoxuron	101463-69-8	FC1=CC=CC(F)=C1C(=O)NC(=O)NC1=C(F)C=C(OC2=C(Cl)C=C(C=C2)C(F)(F)F)C=C1	1.804	2.4421	0.5955	1.0551	2.8724	488.7668		-7.864	Inhibition of chitin biosynthesis, type 0
chlorfluazuron	71422-67-8	FC1=CC=CC(F)=C1C(=O)NC(=O)NC1=CC(Cl)=C(OC2=NC=C(C=C2Cl)C(F)(F)F)C(Cl)=C1	2.1895	2.7434	0.6988	1.2436	3.0585	540.654		-8.093	Inhibition of chitin biosynthesis, type 0
flucycloxuron	113036-88-7	Fc1cccc(F)c1C(=O)NC(=O)Nc2ccc(CON=C(C3CC3)c4ccc(Cl)cc4)cc2	2.6658	2.6458	0.5955	1.4247	3.3138	483.8942		-8.619	Inhibition of chitin biosynthesis, type 0
buprofezin	9327-76-0	c1ccccc1N2CSC(=NC(C)(C)C)N(C(C)C)C2(=O)	1.7398	1.5505	0	1.2408	2.4524	305.4394			Inhibition of chitin biosynthesis, type 1
propargite	2312-35-8	CC(C)(C)c2ccc(OC1CCCCC1OS(=O)OCC#C)cc2	1.6897	2.4456	0.0852	1.5943	2.7518	350.4733	5.57	-6.025	Inhibition of mitochondrial ATP synthase
azocyclotin	41083-11-8	C1CCCCC1[Sn](C2CCCCC2)(C3CCCCC3)n4ncnc4	1.2088	1.2454	0	0.5634	2.683	436.2221		-6.906	Inhibition of mitochondrial ATP synthase
tetradifon	116-29-0	Clc1ccc(cc1)S(=O)(=O)c2cc(Cl)c(Cl)cc2Cl	1.7736	2.3902	0	0.5661	2.0947	356.0516		-5.733	Inhibition of mitochondrial ATP synthase
diafenthiuron	60-09-9	c1ccccc1Oc2cc(C(C)C)c(NC(=S)NC(C)(C)C)c(C(C)C)c2	2.1578	1.8581	0.1159	1.1824	3.2529	384.5791			Inhibition of mitochondrial ATP synthase

fenbutatin oxide	12684-28-5	CC(C)(C[Sn](CC(C)(C)C1=CC=CC=C1)(CC(C)(C)C2=CC=CC=C2)O[Sn](CC(C)(C)C3=CC=CC=C3)(CC(C)(C)C4=CC=CC=C4)CC(C)(C)C5=CC=CC=C5)C6=CC=CC=C6	2.9277	2.6406	0	1.0994	7.1505	1052.6807			Inhibition of mitochondrial ATP synthase
diflubenzuron	35367-38-5	O=C(NC(=O)c(c(F)ccc1)c1F)Nc(ccc(c2)Cl)c2	1.6479	2.1529	0.6523	0.9434	1.9946	310.683	3.88	-4.779	Inhibitors of chitin biosynthesis, type 0
hydroprene	1096-46-2	C(C)(C)CCCC(C)CC=CC(C)=CC(=O)OCC	0.3538	0.7437	0	0.6015	2.4923	266.4189			Juvenile hormone mimics
kinoprene	42588-37-4	CC(C)CCCC(C)C\C=C\C(\C)=C\C(=O)OCC#C	0.6047	0.9217	0.0852	0.661	2.5472	276.4137		-6.722	Juvenile hormone mimics
nickel	7440-02-0	[Ni]						58.71	-0.57	0.856	Metallic iono/osmoregulatory impairment
copper	7440-50-8	[Cu]						63.55	-0.57	0.821	Metallic iono/osmoregulatory impairment
zinc	7440-66-6	[Zn]						65.37	-0.47	0.708	Metallic iono/osmoregulatory impairment
ferrous sulfate heptahydrate	7782-63-0	[Fe]1OS(=O)(=O)O1							-0.37	0.007	Metallic iono/osmoregulatory impairment
ferrous chloride	7758-94-3	[Fe](Cl)Cl							-0.15	0.002	Metallic iono/osmoregulatory impairment
cadmium	7440-43-9	[Cd]						112.4	-0.07	0.038	Metallic iono/osmoregulatory impairment
silver	7440-22-4	[Ag]						107.87	0.23	-0.185	Metallic iono/osmoregulatory impairment
cobalt	7440-48-4	[Co]							0.23	0.171	Metallic iono/osmoregulatory impairment
aluminum	7429-90-5	[Al]							0.33	0.297	Metallic iono/osmoregulatory impairment
mercury	7439-97-6	[Hg]						200.59	0.62	-1.194	Metallic iono/osmoregulatory impairment
lead	7439-92-1	[Pb]							0.73	-1.335	Metallic iono/osmoregulatory impairment

antimony trichloride	10025-91-9	[Sb](Cl)(Cl)Cl							1.66	-2.282	Metallic iono/osmoregulatory impairment
ferric sulfate	10028-22-5	[O-]S(=O)(=O)[O-].[O-]S(=O)(=O)[O-].[O-]S(=O)(=O)[O-].[Fe+3].[Fe+3]									Metallic iono/osmoregulatory impairment
manganese (ii) sulfate monohydrate	10034-96-5										Metallic iono/osmoregulatory impairment
zinc borate hydrate	12447-61-9										Metallic iono/osmoregulatory impairment
chromium iii	16065-83-1	[Cr+3]									Metallic iono/osmoregulatory impairment
chromium vi	18540-29-9	[Cr+4]									Metallic iono/osmoregulatory impairment
iron chloride	7705-08-0	[Fe](Cl)(Cl)Cl								-0.521	Metallic iono/osmoregulatory impairment
ammonium nitrate	6484-52-2	N(H)(H)(H)(H)ON(=O)=O							-4.39	1.097	Methemoglobinemia
sodium nitrite	7632-00-0	O(Na)N=O							-2.37	1.161	Methemoglobinemia
sodium nitrate	7631-99-4	O(Na)N(=O)=O						85	-0.79	0.853	Methemoglobinemia
potassium nitrate	7757-79-1	O=N(=O)O(K)							-0.79	0.735	Methemoglobinemia
calcium nitrate	10124-37-5	O=N(=O)O[Ca]ON(=O)=O							-0.61	0.123	Methemoglobinemia
sodium metaborate	7775-19-1	B(=O)[O-].[Na+]						65.8	-3.73	1.182	Miscellaneous non-specific (multi-site) inhibition
boric acid	10043-35-3	OB(O)O						10.81	-0.22	0.201	Miscellaneous non-specific (multi-site) inhibition
chloropicrin	76-06-2	[O-][N+](=O)C(Cl)(Cl)Cl	0.4815	0.8706	0	0.1761	0.7909	164.3743	1.32	-2.576	Miscellaneous non-specific (multi-site) inhibition
metam	144-54-7	CNC(=S)S	1.156	0.9151	0.1339	0.5167	0.7742	107.1998		0.614	Miscellaneous non-specific (multi-site) inhibition

disodium octaborate	12280-41-2	B([O-])([O-])[O-].B([O-])([O-])[O-].B([O-])([O-])[O-].B([O-])([O-])[O-].B([O-])([O-])[O-].B([O-])([O-])[O-].B([O-])([O-])[O-].O.O.O.O.[Na+].[Na+]									Miscellaneous non-specific (multi-site) inhibition
sodium borate	143-66-8	c1ccc(cc1)B([Na])(c2ccccc2)(c3ccccc3)c4ccccc4						342.23		-7.063	Miscellaneous non-specific (multi-site) inhibition
cryolite	15096-52-3	F[Al-3](F)(F)(F)(F)F.[Na+].[Na+].[Na+]									Miscellaneous non-specific (multi-site) inhibition
sulfuryl fluoride	2699-79-8	FS(F)(=O)=O						102.06		-0.296	Miscellaneous non-specific (multi-site) inhibition
tartar emetic	28300-74-5	K+].[K+].[H]O[H].[H]O[H].[H]O[H].O=C1O[Sb-]23OC1C1O[Sb-]4(OC(C(O2)C(=O)O3)C(=O)O4)OC1=O								0.513	Miscellaneous non-specific (multi-site) inhibition
hexythiazox	78587-05-0	c1cc(Cl)ccc1C2SC(=O)N(C(=O)NC3CCCCC3)C2C	2.0529	2.1423	0.161	1.1643	2.566	352.8796		-6.532	Mite growth inhibition
diflovidazin	162320-67-4	Clc1ccccc1c2nnc(c3c(F)cccc3F)nn2	2.3356	1.8971	0	0.6472	1.9252	304.6818		-4.24	Mite growth inhibition
clofentezine	74115-24-5	Clc1ccccc1c2nnc(c3ccccc3Cl)nn2	2.6689	2.053	0	0.6942	2.0124	303.1457		-4.058	Mite growth inhibition
rotenone	83-79-4	COc5cc4OCC3Oc2c1CC(Oc1ccc2C(=O)C3c4cc5OC)C(C)=C	2.4404	2.6645	0	1.5791	2.8145	394.4172	4.1	-5.577	Mitochondrial complex I Electron Transport inhibition
pyrimidifen	105779-78-0	Clc1c(CC)ncnc1NCCOc2ccc(CCOCC)c(C)c2C	1.7202	1.6832	0.1478	1.2257	2.9906	377.908		-6.092	Mitochondrial complex I Electron Transport inhibition
fenpyroximate	111812-58-9	c1cc(C(=O)OC(C)(C)C)ccc1CON=Cc2c(Oc3ccccc3)n(C)nc2C	2.2619	2.183	0	1.5013	3.2686	421.489		-6.551	Mitochondrial complex I Electron Transport inhibition
pyflubumide	926914-55-8	Cc1c(c(n(n1)C)C)C(=O)N(c2ccc(c(c2)CC(C)C)C(C(F)(F)F)(C(F)(F)F)OC)C(=O)C(C)C	1.2521	1.6699	0	1.431	3.694	535.5225			Mitochondrial Complex II electron transport inhibition
cyflumetofen	400882-07-7	FC(F)(F)c2ccccc2C(=O)C(C#N)(c1ccc(cc1)C(C)(C)C)C(=O)OCCOC	1.2914	2.3096	0	1.2035	3.2304	447.4469			Mitochondrial Complex II electron transport inhibition

cyenopyrafen	560121-52-0	CC1=C(N(N=C1C)C)C(=C(C#N)C2=CC=C(C=C2)C(C)(C)C)OC(=O)C(C)(C)C	1.6877	1.9715	0	1.1712	3.3028	393.522			Mitochondrial Complex II electron transport inhibition
fluacrypyrim	229977-93-9	CC(C)OC1=NC(=CC(=N1)OCC2=CC=CC=C2/C(=C\OC)/C(=O)OC)C(F)(F)F	1.2367	1.8403	0	1.5308	2.9113	426.3864			Mitochondrial complex III Electron Transport inhibition
bifenazate	149877-41-8	COC1=C(NNC(=O)OC(C)C)C=C(C=C1)C1=CC=CC=C1	1.9611	2.1147	0.3564	1.2416	2.3614	300.3524		-4.928	Mitochondrial complex III Electron Transport inhibition
potassium cyanide	133708-36-8	[C-]#N.[K+]	0.2965	0.761	0.0852	0.1868	0.2633	27.0254			Mitochondrial Complex IV electron transport inhibition
phosphine	115-78-6	c1cc(Cl)cc(Cl)c1CP(Cl)(CCCC)(CCCC)CCCC	0.8411	0.4743	0	0.3941	3.1629	397.7892		-4.743	Mitochondrial Complex IV electron transport inhibition
zinc phosphide	51810-70-9	P(=[Zn])[Zn]P=[Zn]									Mitochondrial Complex IV electron transport inhibition
aluminium phosphide	20859-73-8	P#[Al]							-0.17	0.52	Mitochondrial Complex IV electron transport inhibitors
calcium phosphide	1305-99-3	[P-3].[P-3].[Ca+2].[Ca+2].[Ca+2]									Mitochondrial Complex IV electron transport inhibitors
cyromazine	6215-27-8	n1c(N)nc(N)nc1NC2CC2	1.7424	1.7811	0.583	1.1924	1.2066	166.184			Modulating Distruptor, dipteran
dinotefuran	165252-70-0	N(C(NN(=O)=O)=NCC1COCC1)C	0.9497	1.1742	0.3987	1.5099	1.4756	202.2112	-0.19	-0.13	nAChR agonism
(e)-nitenpyram	150824-47-8	c1nc(Cl)ccc1CN(CC)C(NC)=CN(=O)=O	1.4364	1.7947	0.1339	1.6394	1.9739	270.7153	0.4	0.007	nAChR agonism
imidacloprid	138261-41-3	c1nc(Cl)ccc1CN2C(=NN(=O)=O)NCC2	1.6663	1.7187	0.2828	1.6773	1.6833	255.6609	0.57	-1.552	nAChR agonism
clothianidin	210880-92-5	CNC(=NN(=O)=O)NCc1cnc(s1)Cl	1.4776	1.666	0.3987	1.5456	1.5757	249.6789	0.64	-1.619	nAChR agonism
thiamethoxam	153719-23-4	C2OCN(C(N2C)=NN(=O)=O)Cc1cnc(s1)Cl	1.7614	1.9302	0	1.844	1.8076	291.7156	0.8	-2.008	nAChR agonism
l-nicotine	54-11-5	n(cccc1C(N(CC2)C)C2)c1	1.0066	1.0311	0	0.9086	1.371	162.2316	1	0.79	nAChR agonism
thiacloprid	111988-49-9	S2C(N(CC2)Cc1ccc(nc1)Cl)=NC#N	1.8426	1.7003	0	1.3289	1.7275	252.7241	2.33	-3.037	nAChR agonism
acetamiprid	135410-20-7	c1cc(Cl)ncc1CN(C)C(C)=NC#N	1.2876	1.4616	0	1.2259	1.6726	222.674	2.55	-3	nAChR agonism
coniine	458-88-8	CCCC1CCCCN1	0.3666	0.4421	0.1339	0.493	1.227	127.2273	2.59	-1.332	nAChR Antagonism

spinetoram	187166-40-1	CCC1CCCC(C(C(=O)C2=CC3C(C2CC(=O)O1)CCC4C3CC(C4)OC5C(C(C(C(O5)C)OC)OCC)OC)C)OC6CCC(C(O6)C)N(C)C	2.2228	2.7898	0	3.1707	5.9326	747.998			Nicotinic acetylcholine receptor (NACHR) allosteric modulation
spinosad	168316-95-8	CC[C@H]1CCC[C@@H]([C@H](C(=O)C2=C[C@H]3[C@@H]4C[C@@H](C[C@H]4C=C[C@H]3[C@@H]2CC(=O)O1)O[C@H]5[C@@H]([C@@H]([C@H]([C@@H](O5)C)OC)OC)OC)C)O[C@H]6CC[C@@H]([C@H](O6)C)N(C)C.CC[C@H]1CCC[C@@H]([C@H](C(=O)C2=C[C@H]3[C@@H]4C[C@@H](C[C@H]4C(=C[C@H]3[C@@H]2CC(=O)O1)C)O[C@H]5[C@@H]([C@@H]([C@H]([C@@H](O5)C)OC)OC)OC)C)O[C@H]6CC[C@@H]([C@H](O6)C)N(C)C	2.3575	2.8316	0	3.25	5.8896	745.9821		-8.334	Nicotinic acetylcholine receptor (NACHR) allosteric modulation
thiocyclam	31895-21-3	C1SSSCC1N(C)C	1.4219	0.891	0	0.9151	1.2948	181.3456		-0.699	Nicotinic acetylcholine receptor (NACHR) channel blocking
thiosultap-sodium	52207-48-4	[Na+].[Na+].CN(C)C(CSS([O-])(=O)=O)CSS([O-])(=O)=O	1.4342	2.9472	0.6253	2.3541	1.9191	311.4239			Nicotinic acetylcholine receptor (NACHR) channel blocking
bensultap	17606-31-4	c1ccccc1S(=O)(=O)SCC(N(C)C)CSS(=O)(=O)c2ccccc2	2.2119	3.4061	0	2.0624	3.0173	431.617		-4.207	Nicotinic acetylcholine receptor (NACHR) channel blocking
cartap hydrochloride	15263-52-2	N(Cl)(H)(C)(C)C(CSC(=O)N)CSC(=O)N								-0.403	Nicotinic acetylcholine receptor (NACHR) channel blocking
carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester	23564-05-8	COC(=O)NC(=S)Nc1ccccc1NC(=S)NC(=O)OC	2.6344	3.2246	0.6993	1.5882	2.3508	342.3961	1.1	-2.892	Non-Carbamate
acetamidine hydrochloride	124-42-5	CC(=N)N.Cl	0.5391	0.3052	0.2107	0.5991	0.547	94.54	-4.17	1.024	Nonpolar
sodium hypochlorite	7681-52-9	[O-]Cl.[Na+]						74.44	-3.42	1.128	Nonpolar

glyphosate	1071-83-6	OC(=O)CNCP(O)(O)=O	0.873	1.377	1.3307	1.9007	1.0862	169.0731	-3.4	0.772	Nonpolar
urea	57-13-6	O=C(N)N	0.6345	1.1745	0.721	0.6874	0.4648	60.0553	-2.11	0.851	Nonpolar
1,2-ethanediamine, n-[3-(trimethoxysilyl)-propyl]-	1760-24-3	NCCNCCC[Si](OC)(OC)OC	0.2304	1.0813	0.3626	1.6874	1.8572	222.3575	-1.67	0.653	Nonpolar
triethylene glycol	112-27-6	O(CCOCCO)CCO	0.56	0.92	0.46	1.21	1.1888	150.17	-1.48	0.823	Nonpolar
2,2-oxybisethanol	111-46-6	O(CCO)CCO	0.5117	0.776	0.4765	0.9664	0.8483	106.1204	-1.47	0.974	Nonpolar
morpholine, 4,4-dithiobis-	103-34-4	O(CCN(SSN(CCOC1)C1)C2)C2	1.5215	1.3422	0	1.6636	1.6626	236.3569	-1.47	0.331	Nonpolar
ethylene glycol	107-21-1	OCCO	0.4051	0.7134	0.5403	0.5838	0.5078	62.0678	-1.36	1.207	Nonpolar
4-(2-hydroxyethyl) morpholine	622-40-2	O(CCN(C1)CCO)C1	0.6578	0.8226	0.2277	1.0941	1.0626	131.173	-1.32	0.882	Nonpolar
n,n-dimethylformamide	68-12-2	O=CN(C)C	0.3547	1.111	0	0.6253	0.6468	73.0938	-1.01	1.126	Nonpolar
amitrole	61-82-5	n1nc(N)nc1	1.107	1.4256	0.7879	0.6818	0.595	84.0801	-0.97	1.012	Nonpolar
bromo-3-chloro-5,5-dimethylhydantoin(bcdmh)	16079-88-2	N1(Br)C(=O)N(Cl)C(=O)C1(C)C	1.2564	1.4976	0	1.0718	1.2329	241.4701	-0.94	-1.466	Nonpolar
propane diol	57-55-6	OCC(O)C	0.413	0.702	0.5403	0.6145	0.6487	76.0944	-0.92	1.028	Nonpolar
3,3'-oxydipropionitrile	1656-48-0	N#CCCOCCC#N	0.4043	1.442	0.0014	0.5983	1.0403	124.1406	-0.91	0.402	Nonpolar
morpholine	110-91-8	O(CCNC1)C1	0.3709	0.6159	0.1609	0.6571	0.7221	87.1204	-0.86	1.06	Nonpolar
2,5-hexanedione	110-13-4	O=C(CCC(=O)C)C	0.4237	1.1751	0	0.6498	0.9854	114.1424	-0.81	0.196	Nonpolar
octyl trimethyl ammonium chloride	10108-86-8	CN(Cl)(CCCCCCCC)(C)C	-0.2207	0.1261	0	0.0813	1.7798	172.3309	-0.74	-0.081	Nonpolar
methanol	67-56-1	OC	0.21	0.44	0.31	0.3	0.3082	32.04	-0.715	1.494	Nonpolar
fosetyl	15845-66-6	O=P(O)OCC	0.4998	0.6863	0.3126	1.0541	0.7711	110.0489	-0.7	0.958	Nonpolar
1,3,5-triethylhexahydro-s-triazine	7779-27-3	N(CN(CN1CC)CC)(C1)CC	0.7105	0.8253	0	1.5048	1.5675	171.2833	-0.68	0.766	Nonpolar
5,5-dimethylhydantoin	77-71-4	O=C(NC(C1=O)(C)C)N1	0.7941	1.1177	0.4422	0.9691	0.9355	128.1293	-0.48	-1.037	Nonpolar
trioxane	110-88-3	O(COCO1)C1	0.334	0.7285	0	0.6463	0.5988	90.0779	-0.43	0.507	Nonpolar
nitromethane	75-52-5	N(=O)(=O)C	0.2283	0.707	0.0007	0.2415	0.4237	61.0401	-0.35	0.261	Nonpolar
2,3-hexanedione	3848-24-6	O=C(C(=O)CCC)C	0.4237	1.1751	0	0.6498	0.9854	114.1424	-0.35	0.268	Nonpolar
4-hydroxy-4-methyl-2-pentanone	123-42-2	O=C(CC(O)(C)C)C	0.3974	0.8891	0.3126	0.6565	1.0284	116.1583	-0.34	0.749	Nonpolar

2-ethoxyethanol	110-80-5	O(CCO)CC	0.2817	0.5489	0.2277	0.6192	0.7896	90.121	-0.32	0.923	Nonpolar
1,4-dioxane	123-91-1	O(CCOC1)C1	0.2928	0.5784	0	0.4371	0.681	88.1051	-0.32	0.385	Nonpolar
alkyl(c12-14)monomethyldihydroxyethyl ammonium chlorid	22340-01-8	OCCN(C)(CCCCCCCCCCCC)(CCO)						288.5	-0.32	-1.03	Nonpolar
ethephon	16672-87-0	C(CCl)P(=O)(O)O	0.6774	0.9029	0.626	1.1291	0.8935	144.4937	-0.25	-0.068	Nonpolar
ethanol	64-17-5	OCC	0.21	0.45	0.31	0.31	0.4491	46.07	-0.234	1.235	Nonpolar
acetic acid	64-19-7	O=C(O)C	0.1749	0.6145	0.5715	0.3572	0.4648	60.052	-0.17	0.899	Nonpolar
tolazoline hydrochloride	59-97-2	N1(Cl)(H)(H)C(Cc2ccccc2)=NCC1						196.68	-0.16	-0.497	Nonpolar
ethyl carbamate	51-79-6	CCOC(N)=O	0.37	0.92	0.44	0.55	0.7055	89.1	-0.15	0.275	Nonpolar
2-(2-ethoxyethoxy)ethanol	111-90-0	O(CCOCC)CCO	0.32	0.71	0.23	0.84	1.1301	134.17	0.011	0.79	Nonpolar
2-propen-1-amine	107-11-9	NCC=C	0.3276	0.5554	0.2107	0.6271	0.5881	57.0944	0.03	1.243	Nonpolar
dimethipin	55290-64-7	CC1=C(C)S(=O)(=O)CCS1(=O)=O	0.5235	2.087	0	1.1857	1.3642	210.2732	0.04	-0.59	Nonpolar
acetoneoxime	127-06-0							73.1	0.12	0.161	Nonpolar
3-(3-pyridyl)-1-propanol	2859-67-8							137.18	0.12	0.863	Nonpolar
propanenitrile	107-12-0	C(#N)CC	0.1874	0.7263	0.0007	0.2048	0.5451	55.0785	0.16	-0.007	Nonpolar
1,3-dichloro-2-propanol	96-23-1		0.46	0.72	0.42	0.34	0.8348	128.99	0.165	-0.303	Nonpolar
2-methyl-2,4-pentanediol	107-41-5	OC(CC(O)(C)C)C	0.4	0.65	0.63	0.66	1.0714	118.17	0.246	-0.56	Nonpolar
3-furanmethanol	4412-91-3	OCc1ccoc1	0.5859	0.7158	0.3126	0.5645	0.7359	98.0999	0.3	0.336	Nonpolar
2-butanone	78-93-3	O=C(CC)C	0.22	0.67	0	0.34	0.6879	72.11	0.316	0.023	Nonpolar
propionic acid	79-09-4	O=C(O)CC	0.1731	0.6189	0.5715	0.3603	0.6057	74.0785	0.33	0.37	Nonpolar
2-propanol	67-63-0	OC(C)C	0.22	0.43	0.31	0.34	0.59	60.1	0.341	0.826	Nonpolar
anthranilamide(2-aminobenzamide)	88-68-6							136.15	0.35	-1.804	Nonpolar
thiopental, sodium salt	71-73-8	C1(=O)N=C(S(Na))NC(=O)C1(C(CCC)C)CC						264.32	0.36	-1.437	Nonpolar
1-propanol	71-23-8	OCCC	0.21	0.45	0.31	0.31	0.59	60.1	0.399	0.655	Nonpolar
oxazolidine e	7747-35-5	O(CC(N1CO2)(CC)C2)C1	0.6516	0.7898	0	0.9495	1.0949	143.1837	0.4	0.418	Nonpolar
chloroacetonitrile	107-14-2							75.5	0.45	-0.403	Nonpolar
cyclopentanone	120-92-3		0.42	0.77	0	0.32	0.7202	84.12	0.453	-0.141	Nonpolar

tetrahydrofuran	109-99-9	O(CCC1)C1	0.2534	0.4239	0	0.2247	0.6223	72.1057	0.46	-0.122	Nonpolar
2,4-hexanedione	3002-24-2	O=C(CC(=O)C)CC	0.4237	1.1751	0	0.6498	0.9854	114.1424	0.54	-0.499	Nonpolar
(r)-(-)-2-butanol	14898-79-4	OC(C)CC	0.2139	0.4392	0.3126	0.3397	0.7309	74.1216	0.61	0.245	Nonpolar
2-methyl-1,3-pentanediol	149-31-5	OCC(C)C(O)CC	0.4215	0.7047	0.6253	0.6495	1.0714	118.1742	0.62	-0.592	Nonpolar
n-phenyldiethanol-amine	120-07-0	OCCN(c(cccc1)c1)CCO	1.2594	1.3609	0.4765	1.1846	1.4972	181.2316	0.63	-1.061	Nonpolar
benzamide	55-21-0	NC(=O)C1=CC=CC=C1	1	1.55	0.49	0.66	0.9728	121.14	0.64	-0.632	Nonpolar
mti	82633-79-2	s1n(c(c2c1CCC2)=O)C	1.206	1.3823	0	0.8283	1.1137	155.2185	0.64	-0.881	Nonpolar
2-butanoneoxime	96-29-7	CC/C(=N/O)/C	0.3758	0.3286	0.3126	0.4644	0.7877	87.1204	0.65	-0.376	Nonpolar
2-methyl-2-propanol	75-65-0	OC(C)(C)C	0.19	0.39	0.31	0.35	0.7309	74.12	0.663	0.467	Nonpolar
pentobarbital	57-33-0	C1(=O)NC(=O)N(Na)C(=O)C1(C(CCC)C)CC						226.28	0.67	-1.582	Nonpolar
methyl chloride	74-87-3	ClC	0.13	0.31	0	0.03	0.3719	50.49	0.677	-0.349	Nonpolar
2-butanol	78-92-2	OC(CC)C	0.21	0.44	0.31	0.34	0.7309	74.12	0.717	0.245	Nonpolar
bis(dimethylthiocarbamyl) sulfide	97-74-5	N(C(=S)SC(N(C)C)=S)(C)C	1.7805	1.4493	0	1.0165	1.5581	208.371	0.75	-0.353	Nonpolar
pyrrole	109-97-7							67.09	0.75	-0.333	Nonpolar
2-methyl-1-propanol	78-83-1	OCC(C)C	0.2139	0.4392	0.3126	0.3397	0.7309	74.12	0.76	0.117	Nonpolar
4-methyloxazole	693-93-6	Cc1cocn1	0.4795	0.7774	0	0.389	0.6361	83.0886	0.76	-0.46	Nonpolar
n,n-bis(2,2-diethoxyethyl) methylamine	6948-86-3	CCOC(CN(C)CC(OCC)OCC)OCC	0.3325	0.986	0	1.4608	2.2749	263.3737	0.78	-0.782	Nonpolar
3,5 dimethyl-1-(hydroxymethyl)-pyrazole	85264-33-1	n1(nc(C)cc1C)CO	0.9561	1.055	0.3126	0.6622	1.0177	126.1565	0.79	-0.283	Nonpolar
3-methyl-2-butanone	563-80-4	O=C(C(C)C)C	0.22	0.66	0	0.37	0.8288	86.13	0.792	-0.548	Nonpolar
2-butoxyethanol	111-76-2	O(CCCC)CCO	0.2782	0.5576	0.2277	0.6254	1.0714	118.1742	0.83	-0.263	Nonpolar
2-acetyl-1-methylpyrrole	932-16-1								0.84	-1.046	Nonpolar
cyclopentanol	96-41-3		0.42	0.53	0.31	0.32	0.7632	86.13	0.849	-0.3	Nonpolar
3methyl1pentyn3ol	77-75-8	OC(C#C)(CC)C	0.4378	0.5708	0.3978	0.4091	0.9267	98.15	0.86	-0.212	Nonpolar
2-pentanone	107-87-9	O=C(CCC)C	0.21	0.68	0	0.34	0.8288	86.13	0.877	-0.608	Nonpolar

2-(diisopropylamino)-ethanol	96-80-0	OCCN(C(C)C)C(C)C	0.4231	0.5583	0.2277	0.9668	1.3943	145.2426	0.88	-0.007	Nonpolar
diethyleneglycol dinitrate	693-21-0	O=N(=O)OCCOCCON(=O)=O	0.4165	1.4731	0	0.5091	1.1967	196.1156	0.9	-1.469	Nonpolar
2,6-dichlorobenzamide	2008-58-4	NC(=O)c1c(Cl)cccc1Cl	1.2712	1.6932	0.4867	0.5989	1.2176	190.0261	0.9	-1.245	Nonpolar
2-nitropropane	79-46-9	N(=O)(=O)C(C)C	0.2345	0.6999	0.0007	0.2753	0.7055	89.0932	0.93	-1.037	Nonpolar
trichloro-s-triazinetrione	87-90-1	O=C(N(C(=O)N(C1(=O))Cl)Cl)N1Cl	1.3876	2.0832	0	1.168	1.1364	232.4086	0.94	-1.703	Nonpolar
1-butanol	71-36-3	OCCCC	0.2	0.46	0.31	0.31	0.7309	74.12	0.946	0.015	Nonpolar
3-pentanone	96-22-0	O=C(CC)CC	0.21	0.68	0	0.34	0.8288	86.13	0.954	-0.677	Nonpolar
sodium dodecane sulphonate	2386-53-0	CCCCCCCCCCCCS(=O)(=O)[O-].[Na+]	0.2722	1.3649	0.3126	0.8318	2.139	272.3	0.96	-2.007	Nonpolar
4-(2-benzothiazolylthio)morpholine	102-77-2	O(CCN(SC(=Nc(c1ccc2)c2)S1)C3)C3	2.1178	1.7322	0	1.1691	1.746	252.3579	1.02	-1.916	Nonpolar
secobarbital sodium salt	309-43-3	C1(=O)N(Na)C(=O)NC(=O)C1(C(CCC)C)CC=C						260.27	1.02	-1.972	Nonpolar
2-methyl-2-butanol	75-85-4		0.19	0.39	0.31	0.35	0.8718	88.15	1.03	-0.096	Nonpolar
prothiocarb	19622-08-3	CN(C)CCCNC(=O)SCC	0.8185	1.3986	0.2553	1.2239	1.6146	190.3074	1.03	-0.462	Nonpolar
1,3-diethyl-2-thiobarbituric acid	5217-47-0	O=C(N(C(N(C1=O)CC)=S)CC)C1	1.535	2.0843	0	1.3705	1.4787	200.2592	1.03	-1.538	Nonpolar
3,3-dimethyl-2-butanone	75-97-8	O=C(C(C)(C)C)C	0.2	0.62	0	0.38	0.9697	100.16	1.09	-0.958	Nonpolar
2-(2-butoxyethoxy)ethanol	112-34-5	O(CCOCCO)CCCC	0.3141	0.7208	0.2277	0.844	1.4119	162.23	1.09	-0.353	Nonpolar
benzenemethanol	100-51-6	OCc(cccc1)c1	0.8035	0.8382	0.3126	0.5293	0.916	108.1378	1.1	-0.421	Nonpolar
2-methylpyridine	109-06-8	n(c(ccc1)C)c1	0.6244	0.7645	0	0.3999	0.8162	93.1265	1.11	0.47	Nonpolar
diethyl ether	60-29-7	O(CC)CC	0.04	0.34	0	0.25	0.7309	74.122	1.15	-0.504	Nonpolar
isoamyl alcohol	123-51-3	OCCC(C)C	0.2121	0.4436	0.3126	0.3428	0.8718	88.1482	1.16	-0.326	Nonpolar
acetanilide	103-84-4	O=C(Nc(cccc1)c1)C	0.8915	1.4226	0.4086	0.6674	1.1137	135.1632	1.16	-1.179	Nonpolar
4-methyl-2-pentanone	108-10-1	O=C(CC(C)C)C	0.22	0.67	0	0.37	0.9697	100.16	1.17	-1.052	Nonpolar
4-methoxy-4-methyl-2-pentanone	107-70-0		0.2337	0.7754	0	0.5959	1.1693	130.19	1.17	-0.461	Nonpolar
fluroxypyr acid	69377-81-7	n1c(F)c(Cl)c(N)c(Cl)c1OCC(=O)O	1.2203	1.9039	0.867	1.0086	1.4524	255.0301	1.17	-1.662	Nonpolar
dichloromethane	75-09-2	ClCCl	0.22	0.38	0.09	0	0.4943	84.93	1.18	-0.89	Nonpolar
sodium laurate	629-25-4	CCCCCCCCCCCC(=O)[O-].[Na+]	0.1571	0.6582	0.5715	0.3882	1.8738	222.31	1.19	-1.836	Nonpolar

methyl bromide	74-83-9	BrC	0.3123	0.3932	0.0007	0.0264	0.4245	94.9385	1.19	-0.911	Nonpolar
cyclohexanoneoxime	100-64-1	C1CCC(=NO)CC1	0.5834	0.4243	0.3126	0.447	0.9609	113.1577	1.19	-0.745	Nonpolar
tert-butyl methyl ether	1634-04-4	O(C(C)(C)C)C	0.02	0.27	0	0.29	0.8718	88.149	1.2	-0.648	Nonpolar
3-pentanol	584-02-1	OC(CC)CC	0.2121	0.4436	0.3126	0.3428	0.8718	88.1482	1.21	-0.369	Nonpolar
amicarbazone	129909-90-6	n1(nc(n(c1=O)N)C(C)C)C(=O)NC(C)(C)C	1.3022	1.5111	0.3718	1.7743	1.8964	241.2904	1.24	-2.023	Nonpolar
34dimethyl1pentyn3ol	1482-15-1	OC(C#C)(C)C(C)C	0.4458	0.5593	0.3978	0.4398	1.0676	112.17	1.26	-0.67	Nonpolar
2-hydroxybenzamide	65-45-2	NC(=O)C1=CC=CC=C1O	1.16	1.57	0.62	0.61	1.0315	137.14	1.28	-0.715	Nonpolar
2-hexanone	591-78-6	O=C(CCCC)C	0.21	0.68	0	0.35	0.9697	100.16	1.29	-1.112	Nonpolar
cyclohexanol	108-93-0	OC(CCCC1)C1	0.42	0.53	0.31	0.32	0.9041	100.16	1.29	-0.474	Nonpolar
1,6-dicyanohexane	629-40-3	N#CCCCCCCC#N	0.3613	1.2963	0.0014	0.3921	1.2634	136.1944	1.33	-0.964	Nonpolar
6-chloropicolinic acid	4684-94-0	OC(=O)c1cccc(Cl)n1	0.9403	1.2852	0.642	0.7244	1.013	157.5542	1.33	-1.632	Nonpolar
furan	110-00-9	O1C=CC=C1	0.3387	0.5696	0	0.1505	0.5363	68.074	1.34	-0.844	Nonpolar
trans3hexen1ol	928-97-2	OCCC=CCC	0.3565	0.5625	0.3126	0.3815	0.9697		1.34	-0.797	Nonpolar
n-(1-methyethyl)-2-propanamine	108-18-9	N(C(C)C)C(C)C	0.1687	0.3305	0.1339	0.538	1.0538	101.19	1.4	-0.128	Nonpolar
1,2-dichloroethane	107-06-2	ClCCCl	0.38	0.48	0	0.1	0.6352	98.96	1.4	-1.188	Nonpolar
m-nitroaniline	99-09-2	c1cc(cc(c1)[N+](=O)[O-])N	1.1286	1.6512	0.2955	0.5274	0.9904	138.1241	1.47	-1.38	Nonpolar
3-methyl-3-pentanol	77-74-7	OC(CC)(CC)C	0.19	0.4	0.31	0.35	1.0127	102.18	1.49	-0.9	Nonpolar
1-pentanol	71-41-0	OCCCCC	0.2	0.46	0.31	0.32	0.8718	88.15	1.49	-0.625	Nonpolar
carboxin	5234-68-4	CC1=C(SCCO1)C(=O)Nc2ccccc2	1.5923	1.8182	0.4086	1.0904	1.7479	235.3032	1.49	-2.745	Nonpolar
2-methyl-3,3,4,4-tetrafluoro-2-butanol	29553-26-2	FC(F)C(F)(F)C(O)(C)C	-0.0988	0.1876	0.4901	0.3132	0.9422	160.11	1.5	-1.144	Nonpolar
2-phenoxyethanol	122-99-6	O(c(cccc1)c1)CCO	0.86	1.01	0.23	0.7	1.1156	138.17	1.5	-0.691	Nonpolar
methylcyclohexanone	583-60-8	O=C(C(CCC1)C)C1	0.4305	0.7587	0	0.3531	1.002	112.1696	1.54	-1.339	Nonpolar
benzonitrile	100-47-0	c1ccc(cc1)C#N	0.729	1.1744	0	0.26	0.8711	103.1213	1.54	-1.552	Nonpolar
diethyl benzylphosphonate	1080-32-6	O=P(OCC)(OCC)Cc(cccc1)c1	0.7996	1.0028	0	1.1007	1.8016	228.2246	1.56	-2.197	Nonpolar
2,4-dimethyl-3-pentanone	565-80-0	O=C(C(C)C)C(C)C	0.2291	0.6559	0	0.4043	1.1106	114.1855	1.58	-1.624	Nonpolar
acetophenone	98-86-2	CC(=O)c1ccccc1	0.7912	1.1307	0	0.4228	1.0139	120.1485	1.58	-1.428	Nonpolar
1,2-bis-(4-pyridyl)-ethane	4916-57-8								1.59	-1.263	Nonpolar

sodium dodecyl sulphate	151-21-3	CCCCCCCCCCCCOS(=O)(=O)[O-].[Na+]	0.3073	1.5101	0.3126	1.0339	2.1977	288.3	1.6	-2.67	Nonpolar
phenyl glycidyl ether	122-60-1	O(C1COc(cccc2)c2)C1	0.877	1.0232	0	0.5508	1.1479	150.1745	1.61	-1.675	Nonpolar
nifurpirinol	13411-16-0	n1c(CO)cccc1C=CC2=CC=C(N(=O)=O)O2	1.6502	1.9265	0.3126	1.1017	1.7156	246.2189	1.61	-2.556	Nonpolar
linear alcohol ethoxylate sulphate (c12-13)	9004-82-4	CCCCCCCCCCCCOCCOS(=O)(=O)[O-].[Na+]	0.3432	1.6733	0.3126	1.2524	2.5382	372.45	1.62	-3.299	Nonpolar
2-dimethylamino-pyridine	5683-33-0	n1ccccc1N(C)C	0.8584	0.9758	0	0.6458	1.0569	122.1678	1.62	-1.503	Nonpolar
2,3,4-trimethoxyaceto-phenone	13909-73-4	CC(=O)c1c(OC)c(OC)c(OC)cc1	0.9773	2.0243	0	1.0588	1.6127	210.2265	1.63	-2.127	Nonpolar
carbetamide	16118-49-3	CCNC(=O)C(C)OC(=O)Nc1ccccc1	1.152	2.1212	0.6218	1.2348	1.8515	236.2671	1.63	-2.317	Nonpolar
m-bromobenzamide	22726-00-7	NC(=O)c1cc(Br)ccc1	1.3272	1.7088	0.4867	0.658	1.1478	200.0327	1.63	-2.069	Nonpolar
5,8,11,13,16,19-hexaoxatricosane	143-29-3	O(CCOCCOCCCC)COCCOCCOCCCC	0.2164	1.166	0	1.3504	2.8561	336.4641	1.65	-3.066	Nonpolar
1-(2-chloroethyl)-pyrrolidine	7250-67-1	N1(CCCl)CCCC1	0.5001	0.5982	0.0007	0.5104	1.0676	133.6189	1.65	-0.581	Nonpolar
1,1,1,3,3,3-hexafluoro-2-propanol	920-66-1	FC(F)(F)C(O)C(F)(F)F	-0.3808	0.0491	0.7786	0.1637	0.6956	168.0378	1.66	-1.335	Nonpolar
3-hexanol	623-37-0		0.21	0.45	0.31	0.35	1.0127	102.18	1.66	-0.847	Nonpolar
4-methyl-2-pentanol	108-11-2		0.22	0.43	0.31	0.37	1.0127	102.18	1.66	-0.869	Nonpolar
1ethynylcyclohexanol	78-27-3	C#CC1(CCCCC1)O	0.6454	0.6665	0.3978	0.3917	1.0999	124.18	1.66	-1.075	Nonpolar
2-heptanone	110-43-0	O=C(CCCCC)C	0.21	0.69	0	0.35	1.1106	114.19	1.67	-1.726	Nonpolar
hfc-134a	811-97-2	FCC(F)(F)F	-0.3007	-0.0395	0.0883	0	0.4608	102.0309	1.68	-2.124	Nonpolar
5-methyl-2-hexanone	110-12-3	O=C(CCC(C)C)C	0.22	0.67	0	0.38	1.1106	114.19	1.68	-1.641	Nonpolar
2-ethylpyridine	100-71-0	CCc1ccccn1	0.6226	0.7688	0	0.403	0.9571	107.1531	1.69	-0.127	Nonpolar
thiram	137-26-8	N(C(=S)SSC(N(C)C)=S)(C)C	2.1244	1.601	0	1.1431	1.7216	240.437	1.73	-1.424	Nonpolar
n,n-diethylacetamide	685-91-6	CCN(CC)C(=O)C	0.3282	1.0672	0	0.6506	1.0695	115.1736	1.75	-0.333	Nonpolar
5-chloro-2-pyridinol	4214-79-3								1.76	-1.615	Nonpolar
2,4-dimethyl-3-pentanol	600-36-2	OC(C(C)C)C(C)C	0.23	0.42	0.31	0.4	1.1536	116.2	1.78	-1.328	Nonpolar
tebuthiuron	34014-18-1	CNC(=O)N(C)c1nnc(s1)C(C)(C)C	1.1927	1.6576	0.161	1.0181	1.7605	228.3157	1.78	-2.395	Nonpolar
cyclanilide	113136-77-9	c1cc(Cl)cc(Cl)c1NC(=O)C2CC2C(=O)O	1.5431	2.1117	1.0369	0.9537	1.747	274.0995	1.8	-2.739	Nonpolar
6-methyl-5-heptene-2-one	110-93-0	O=C(CCC=C(C)C)C	0.34	0.73	0	0.43	1.2085	126.2	1.82	-1.883	Nonpolar

2-hexanol	626-93-7		0.21	0.45	0.31	0.35	1.0127	102.18	1.83	-0.941	Nonpolar
dichloro-1,2-dithiacyclopentenone	1192-52-5	S1SC(=O)C(Cl)=C1Cl	1.4716	1.3293	0	0.6605	0.9672	187.0689	1.83	-2.129	Nonpolar
1,3-dichloropropane	142-28-9	ClCCCCl	0.25	0.46	0	0.03	0.7761	112.99	1.84	-1.735	Nonpolar
1,2-dichloropropane	78-87-5	ClCC(Cl)C	0.38	0.47	0	0.13	0.7761	112.99	1.86	-1.717	Nonpolar
2,4,5-trimethyloxazole	20662-84-4	O(C(=N1)C)C(=C1C)C	0.5282	0.6622	0	0.3903	0.9179	111.1418	1.86	-1.599	Nonpolar
diisopropyl ether	108-20-3	O(C(C)C)C(C)C	0.06	0.31	0	0.31	1.0127	102.18	1.87	-1.246	Nonpolar
endothall	145-73-3	O=C(O)C(C(C(=O)O)C(O1)CC2)C12	0.8333	1.3465	0.9718	0.9789	1.2261	186.162	1.89	-1.795	Nonpolar
terbacil	5902-51-2	CC1=C(Cl)C(=O)N(C(C)(C)C)C(=O)N1	0.9716	1.4577	0.161	1.0152	1.5785	216.6645	1.89	-2.395	Nonpolar
2-chloropropane	75-29-6	C(Cl)(C)C	0.1355	0.3043	0.0007	0.06	0.6537	78.5404	1.9	-1.398	Nonpolar
chloroform	67-66-3	C(Cl)(Cl)Cl	0.34	0.48	0.12	0	0.6167	119.38	1.91	-1.755	Nonpolar
1,1,2-trichloroethane	79-00-5	ClCC(Cl)Cl	0.5	0.54	0.09	0.11	0.7576	133.4	1.91	-1.789	Nonpolar
2,6-dimethylcyclohexanone	2816-57-1	O=C(C(CC1)C)C(C1)C	0.4385	0.7472	0	0.3838	1.1429	126.1962	1.96	-1.798	Nonpolar
1,2-dibromoethane	106-93-4	BrCCBr	0.7416	0.6428	0.0014	0.102	0.7404	187.8612	1.96	-2.245	Nonpolar
2,4,5-tribromoimidazole	2034-22-2							304.77	1.96	-3.097	Nonpolar
n,n-dimethylbenzylamine	103-83-3							135.21	1.98	-0.871	Nonpolar
thiabendazole	148-79-8	c1ccc2c(c1)[nH]c(n2)c3cscn3	2.2169	1.9417	0.3454	0.7156	1.3967	201.2488	2	-2.778	Nonpolar
chlorsulfuron	64902-72-3	n1c(OC)nc(C)nc1NC(=O)NS(=O)(=O)c2ccccc2Cl	2.2192	2.8935	0.7458	1.7549	2.3009	357.7737	2	-3.517	Nonpolar
benzothiazole	95-16-9	c1ccc2ncsc2c1	1.3358	1.2056	0	0.3515	0.969	135.1873	2.01	-1.905	Nonpolar
1-hexanol	111-27-3	OCCCCCC	0.2	0.46	0.31	0.32	1.0127	102.18	2.02	-1.171	Nonpolar
2-octanone	111-13-7	O=C(CCCCCC)C	0.21	0.69	0	0.35	1.2515	128.21	2.02	-2.161	Nonpolar
1-chloropropane	540-54-5	ClCCC	0.1258	0.3201	0.0007	0.0324	0.6537	78.5404	2.04	-1.518	Nonpolar
5-methyl-3-heptanone	541-85-5		0.22	0.68	0	0.38	1.2515	128.21	2.05	-1.971	Nonpolar
anisole	100-66-3		0.62	0.79	0	0.33	0.916	108.14	2.06	-1.793	Nonpolar
2,6-dichlorobenzoic acid	50-30-6	OC(=O)c1c(Cl)cccc1Cl	1.0237	1.2215	0.5715	0.3815	1.1765	191.0109	2.06	-2.499	Nonpolar
2,6-dimethyl-2,5-heptadiene-4-one	504-20-1		0.4755	0.78	0	0.5138	1.3064	138.21	2.07	-2.501	Nonpolar

phenyl sulfoxide	945-51-7	O=S(c(cccc1)c1)c(cccc2)c2	1.6733	2.29	0	0.8862	1.5464	202.2732	2.07	-2.436	Nonpolar
1,1,1-trichloro-2-methyl-2-propanol	6001-64-5	CC(C)(O)C(Cl)(Cl)Cl	0.4906	0.6523	0.42	0.3314	1.0981	177.4559	2.09	-1.72	Nonpolar
1-bromopropane	106-94-5	BrCCC	0.3088	0.402	0.0007	0.0326	0.7063	122.9917	2.1	-1.893	Nonpolar
t-1,2-dichloroethene	156-60-5		0.4047	0.5564	0	0.0921	0.5922	96.94	2.1	-1.618	Nonpolar
2,6-dinitrotoluene	606-20-2	N(=O)(=O)c(c(c(N(=O)(=O))cc1)C)c1	1.1199	1.7745	0	0.3098	1.2057	182.1336	2.1	-2.713	Nonpolar
thidiazuron	51707-55-2	c1ccccc1NC(=O)Nc2nnsc2	1.7236	2.033	0.5892	0.9293	1.5229	220.2522	2.1	-2.319	Nonpolar
benzene	71-43-2	c1ccccc1	0.5564	0.6919	0	0.1153	0.7164	78.12	2.13	-1.592	Nonpolar
1,4-dimethoxybenzene	150-78-7	O(c(ccc(OC)c1)c1)C	0.688	0.9169	0	0.5311	1.1156	138.17	2.15	-1.952	Nonpolar
(s)-dimethenamid	163515-14-8	COCC(C)N(C(=O)CCl)c1c(C)csc1C	1.0666	1.537	0.0007	0.9126	2.0649	275.7956	2.15	-3.048	Nonpolar
dimethenamid	87674-68-8	Cc1csc(C)c1N(C(C)COC)C(=O)CCl	1.0666	1.537	0.0007	0.9126	2.0649	275.7956	2.15	-3.048	Nonpolar
hcfc-123	306-83-2	FC(F)(F)C(Cl)Cl	0.0428	0.1534	0.1901	0	0.688	152.9299	2.17	-2.916	Nonpolar
1-chloro-3-bromopropane	109-70-6	BrCCCCl	0.43	0.5439	0.0014	0.0321	0.8287	157.4364	2.18	-2.212	Nonpolar
diethyl toluamide (deet)	134-62-3	O=C(N(CC)CC)c(cccc1C)c1	0.927	1.4703	0	0.7374	1.6773	191.2695	2.18	-2.458	Nonpolar
1,1-dichloroethylene	75-35-4	C(=C)(Cl)Cl	0.35	0.46	0	0.1	0.5922	96.94	2.19	-1.729	Nonpolar
2-(bromomethyl)-tetrahydro-2h-pyran	34723-82-5	BrCC1CCCCO1	0.5637	0.6407	0.0007	0.2583	1.0791	179.0549	2.19	-2.377	Nonpolar
benzyl sulfoxide	621-08-9	O=S(Cc(cccc1)c1)Cc(cccc2)c2	1.6697	2.2987	0	0.8924	1.8282	230.3264	2.19	-2.58	Nonpolar
2-tolunitrile	529-19-1	Cc1ccccc1C#N	0.7534	1.1169	0	0.2607	1.012	117.1479	2.21	-2.209	Nonpolar
3-octanone	106-68-3	O=C(CCCCC)CC	0.2079	0.6919	0	0.3522	1.2515	128.212	2.22	-2.034	Nonpolar
n-ethyl-n-(3-methylphenyl)-1,2-ethanediamine	19248-13-6	N(c(cccc1C)c1)(CCN)CC	0.9918	1.1982	0.2288	1.0051	1.6205	178.2741	2.23	-1.398	Nonpolar
2-(n-ethyl-m-toluidino)ethanol	91-88-3	OCCN(c(cccc1C)c1)CC	1.0538	1.0762	0.2277	0.8381	1.5794	179.2588	2.24	-2.418	Nonpolar
1,2,3-trichloropropane	96-18-4	ClCC(Cl)CCl	0.57	0.62	0	0.17	0.8985	147.43	2.27	-2.216	Nonpolar
noruron	2163-79-3	CN(C)C(=O)NC1CC2CC1C3CCCC23	1.1024	1.3288	0.161	0.8672	1.8298	222.3267	2.28	-2.767	Nonpolar
heptaldehyde	111-71-7	O=CCCCCCC	0.2309	0.7444	0	0.3331	1.1106	114.1855	2.29	-1.991	Nonpolar
2-nitrotoluene	88-72-2	CC1=CC=CC=C1[N+]([O-])=O	0.85	1.2	0	0.21	1.0315	137.14	2.3	-2.557	Nonpolar
norflurazon	27314-13-2	c1c(C(F)(F)F)cccc1N2C(=O)C(Cl)=C(NC)C=N2	1.3553	1.5296	0.1339	1.262	1.8575	303.6674	2.3	-3.379	Nonpolar

1,1,2,2-tetrachloroethane	79-34-5	C(C(Cl)Cl)(Cl)Cl	0.63	0.6	0.18	0.12	0.88	167.85	2.31	-2.467	Nonpolar
n,n-dimethylbenzenamine	121-69-7	CN(C)c1ccccc1	0.7935	0.9131	0	0.4604	1.098	121.1797	2.31	-2.059	Nonpolar
36dimethyl1heptyn3ol	19549-98-5	CC(C)CCC(C)(O)C#C	0.4422	0.5681	0.3978	0.446	1.3494		2.32	-1.713	Nonpolar
bromonitrostyrene	7166-19-0	N(=O)(=O)C(Br)=Cc(cccc1)c1	1.2381	1.442	0	0.4128	1.3044	228.0428	2.34	-3.253	Nonpolar
fluometuron	2164-17-2	O=C(N(C)C)Nc(cccc1C(F)(F)F)c1	0.6749	1.2547	0.3832	0.7355	1.5481	232.2024	2.35	-2.961	Nonpolar
1,1-dichloropropane	78-99-9		0.22	0.37	0.09	0.02	0.7761	112.99	2.36	-1.947	Nonpolar
hcfc-141b	1717-00-6	CC(F)(Cl)Cl	0.0868	0.2927	0	0	0.6528	116.949	2.37	-2.076	Nonpolar
1-methyl-4-nitrobenzene	99-99-0	N(=O)(=O)c(ccc(c1)C)c1	0.8503	1.2045	0	0.2129	1.0315	137.136	2.37	-2.616	Nonpolar
1-naphthalenemethanol	4780-79-4	c1ccc2ccccc2c1CO	1.5219	1.1621	0.3126	0.5874	1.285	158.1965	2.37	-1.87	Nonpolar
2-nonanone	821-55-6	O=C(CCCCCCC)C	0.21	0.7	0	0.36	1.3924	142.24	2.38	-2.921	Nonpolar
1,1,1-trichloroethane	71-55-6	C(Cl)(Cl)(Cl)C	0.31	0.44	0	0.01	0.7576	133.4	2.38	-2.302	Nonpolar
5-ethyl-2-methylpyridine	104-90-5	n(c(ccc1CC)C)c1	0.647	0.7113	0	0.4036	1.098	121.1797	2.39	-0.827	Nonpolar
1-chloro-4-nitrobenzene	100-00-5	c1cc(ccc1[N+](=O)[O-])Cl	0.9734	1.3421	0	0.2093	1.013	157.5542	2.39	-2.782	Nonpolar
flufenacet	142459-58-3	c1cc(F)ccc1N(C(C)C)C(=O)COC2=NN=C(C(F)(F)F)S2	1.2646	2.1709	0	1.1582	2.2567	363.3317	2.39	-4.582	Nonpolar
bromoform	75-25-2	BrC(Br)Br	0.884	0.7297	0.1173	0.0055	0.7745	252.7306	2.4	-3.093	Nonpolar
simazine	122-34-9	n(c(nc(n1)NCC)NCC)c1Cl	1.2496	1.2526	0.3628	0.8551	1.4787	201.6566	2.4	-2.534	Nonpolar
propachlor	1918-16-7	CC(C)N(C(=O)CCl)c1ccccc1	1.0356	1.5689	0.0007	0.7556	1.6588	211.6877	2.42	-2.607	Nonpolar
1,1,1,2-tetrachloroethane	630-20-6		0.62	0.61	0	0.12	0.88	167.85	2.43	-2.931	Nonpolar
5-nonanone	502-56-7	O=C(CCCC)CCCC	0.21	0.7	0	0.36	1.3924	142.24	2.44	-2.699	Nonpolar
tricyclo[3.3.1.13,7]decan-1-amine	768-94-5	NC(CC(CC1CC23)C2)(C1)C3	0.8383	0.6755	0.2107	0.6443	1.2916	151.2487	2.44	-1.381	Nonpolar
3-iodo-2-propynyl butyl carbamate (iodocarb)	55406-53-6	CCCCNC(=O)OCC#CI	1.011	1.3149	0.2132	0.6649	1.5822	281.0909	2.45	-3.346	Nonpolar
octhilinone	26530-20-1	O=C1C=CSN1CCCCCCCC	1.0302	1.4264	0	0.8323	1.7859	213.3407	2.45	-2.849	Nonpolar
2,5-dimethylfuran	625-86-5	O1C(C)=CC=C1C	0.3875	0.4545	0	0.1518	0.8181	96.1271	2.46	-1.817	Nonpolar
3-chloro-2-methylpropene	563-47-3	C(=C)(CCl)C	0.2268	0.3249	0.0007	0.1024	0.7516	90.5511	2.48	-1.981	Nonpolar
3,6-dithiaoctane	5395-75-5	S(CC)CCSCC	0.687	0.4946	0	0.2953	1.281	150.3074	2.48	-2.415	Nonpolar

2-(trifluoromethyl)benzonitrile	447-60-9	C1=CC=C(C(=C1)C#N)C(F)(F)F	0.391	0.946	0	0.1455	1.0648	171.1193	2.5	-2.852	Nonpolar
clomazone	81777-89-1	O1CC(C)(C)C(=O)N1Cc2ccccc2Cl	1.3519	1.5986	0	1.0728	1.7498	239.6978	2.5	-3.084	Nonpolar
2,3-dihydrobenzofuran	496-16-2	O(c(c(ccc1)C2)c1)C2	0.8557	0.8183	0	0.3053	0.9483	120.1485	2.51	-1.906	Nonpolar
alkylbenzene sulphonate, linear (c11)	27636-75-5	CCCCCCCCCCCc1ccccc1S(=O)(=O)[O-].[Na+]	0.8728	1.7636	0.3126	0.9155	2.6059	334.45	2.51	-3.779	Nonpolar
cyanazine	21725-46-2	CCNc1nc(Cl)nc(NC(C)(C)C(#N))n1	1.4134	1.7429	0.3628	1.0675	1.7743	240.6927	2.51	-3.117	Nonpolar
1-benzoylacetone	93-91-4	CC(=O)CC(=O)c1ccccc1	0.9999	1.6314	0	0.7328	1.3114	162.1852	2.52	-0.902	Nonpolar
heptanoic acid	111-14-8	O=C(O)CCCCCC	0.166	0.6363	0.5715	0.3727	1.1693	130.1849	2.54	-1.823	Nonpolar
flumioxazin	103361-09-7	Fc1cc2OCC(=O)N(CC#C)c2cc1N3C(=O)C(CCCC4)=C4C3=O	2.3161	2.6291	0.0852	1.7985	2.4163	354.3319	2.55	-3.961	Nonpolar
1-heptanol	111-70-6	OCCCCCCC	0.2	0.47	0.31	0.32	1.1536	116.2	2.57	-1.777	Nonpolar
4-phenylpyridine	939-23-1	n(ccc(c1)c(cccc2)c2)c1	1.4303	1.2926	0	0.4958	1.2831	155.1959	2.57	-2.546	Nonpolar
2-ethylhexan-1-ol	104-76-7	OCC(CCCC)CC	0.21	0.46	0.31	0.35	1.2945	130.23	2.58	-1.975	Nonpolar
bicyclo(2,2,1)hepta-2,5-diene	121-46-0		0.7509	0.5353	0	0.1799	0.7917	92.14	2.6	-2.692	Nonpolar
imazethapyr acid	81335-77-5	n1cc(CC)cc(C(=O)O)c1C2=NC(C)(C(C)C)C(=O)N2	1.5853	1.6791	0.8269	1.6106	2.2224	289.3298	2.6	-3.534	Nonpolar
a,a,a-4-tetrafluoro-m-toluidine	2357-47-3	Nc1ccc(F)c(c1)C(F)(F)F	0.4422	0.8527	0.3523	0.3088	1.0275		2.62	-2.42	Nonpolar
4-tert-butylbenzamide	56108-12-4	NC(=O)c1ccc(C(C)(C)C)cc1	1.0004	1.4358	0.4867	0.7051	1.5364	177.2429	2.65	-2.638	Nonpolar
sulfentrazone	122836-35-5	Clc1cc(Cl)c(NS(=O)(=O)C)cc1N2N=C(C)N(C(F)F)C2=O	1.9438	2.4704	0.5057	1.4237	2.2451	387.1905	2.65	-2.868	Nonpolar
n-ethyl-m-toluidine	102-27-2	N(c(cccc1C)c1)CC	0.7995	0.8485	0.1297	0.4093	1.2389	135.2063	2.66	-2.461	Nonpolar
2,2,5,5-tetramethyltetrahydrofuran	15045-43-9	O1C(C)(C)CCC1(C)C	0.2153	0.3082	0	0.306	1.1859	128.212	2.68	-1.897	Nonpolar
dimethomorph	110488-70-5	c1cc(Cl)ccc1C(c2cc(OC)c(OC)cc2)=CC(=O)N3CCOCC3	2.142	2.9698	0	1.5586	2.8547	387.8564	2.68	-4.316	Nonpolar
11diphenyl2-propyn1ol	3923-52-2	c1ccccc1C(C#C)(O)c2ccccc2	1.6169	1.396	0.3978	0.7613	1.7196		2.71	-2.672	Nonpolar
g-decanolactone	706-14-9							170.25	2.72	-2.766	Nonpolar

2-decanone	693-54-9	O=C(CCCCCCCC)C	0.2	0.7	0	0.36	1.5333	156.27	2.73	-3.527	Nonpolar
isooctanol	26952-21-6	CC(C)CCCCCO	0.2068	0.4567	0.3126	0.3521	1.2945	130.2279	2.73	-1.975	Nonpolar
carbon tetrachloride	56-23-5	C(Cl)(Cl)(Cl)Cl	0.42	0.55	0	0	0.7391	153.82	2.73	-2.741	Nonpolar
toluene	108-88-3	c(cccc1)(c1)C	0.5808	0.6344	0	0.1159	0.8573	92.14	2.73	-2.206	Nonpolar
2-[(trichloromethyl)thio]-3a,4,7,7a-tetrahydro-1h-isoindole-1,3(2h)-dione	133-06-2	O=C(N(SC(Cl)(Cl)Cl)C(=O)C1CC=CC2)C12	1.7998	1.5878	0	1.1621	1.7784	300.5895	2.74	-3.783	Nonpolar
1-bromobutane	109-65-9	BrCCCC	0.307	0.4063	0.0007	0.0357	0.8472	137.0183	2.75	-2.55	Nonpolar
cyclopentane	287-92-3		0.21	0.27	0	0.02	0.7045	70.134	2.76	-2.814	Nonpolar
1,5-dichloropentane	628-76-2	ClCCCCCCl	0.24	0.47	0	0.04	1.0579	141.04	2.76	-3.053	Nonpolar
1,3,5-cycloheptatriene	544-25-2		0.68	0.58	0	0.21	0.8573	92.14	2.77	-2.658	Nonpolar
1,1-dichloro-1,2,2,2-tetrafluoroethane	374-07-2	FC(F)(F)C(F)(Cl)Cl	-0.0683	0.0692	0	0	0.7056	170.9204	2.78	-3.566	Nonpolar
n,n-diethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	1014-70-6	CCNc1nc(NCC)nc(SC)n1	1.4908	1.2804	0.2595	1.0412	1.6607	213.3044	2.8	-3.148	Nonpolar
1,4-dichlorobutane	110-56-5	ClCCCCCl	0.25	0.47	0	0.04	0.917	127.01	2.81	-2.532	Nonpolar
trichloroethylene	79-01-6	C(=CCl)(Cl)Cl	0.5	0.64	0	0.11	0.7146	131.39	2.81	-2.227	Nonpolar
n,n-dimethyl-p-toluidine	99-97-8	N(c(ccc(c1)C)c1)(C)C	0.8179	0.8555	0	0.4611	1.2389	135.2063	2.81	-2.588	Nonpolar
2,4-d acid	94-75-7	O=C(O)COc(c(cc(c1)Cl)Cl)c1	1.0448	1.4139	0.5715	0.5767	1.3761	221.0368	2.81	-2.818	Nonpolar
4-(diethylamino)salicyl aldehyde	17754-90-4	O=Cc(c(O)cc(N(CC)CC)c1)c1	1.1884	1.4252	0.1328	0.6513	1.5951	193.2423	2.82	-3.016	Nonpolar
methoprotryne	841-06-5	COCCCNc1nc(NC(C)C)nc(SC)n1	1.5347	1.4321	0.2595	1.2905	2.1421	271.3835	2.82	-3.588	Nonpolar
2,6-dichlorobenzonitrile	1194-65-6	Clc1cccc(Cl)c1C#N	1.0034	1.3208	0	0.1982	1.1159	172.0109	2.83	-3.061	Nonpolar
triphenylphosphineoxide	791-28-6	c1ccc(cc1)P(=O)(c2ccccc2)c3ccccc3	1.8749	1.602	0	0.839	2.1953	278.2849	2.83	-3.647	Nonpolar
4-bromophenyl 3-pyridyl ketone	14548-45-9	Brc1ccc(cc1)C(=O)c2cccnc2	1.7396	1.8833	0	0.7902	1.6147	262.1021	2.85	-3.545	Nonpolar
iprodione	36734-19-7	c1c(Cl)cc(Cl)cc1N2C(=O)CN(C(=O)NC(C)C)C2(=O)	1.9001	2.0634	0.161	1.4134	2.1854	330.1661	2.85	-4.17	Nonpolar
sd 8339	2312-73-4	C1CCC(OC1)n3cnc4c(NCc2ccccc2)ncnc34	2.4996	2.2386	0.1297	1.255	2.3262	309.3659	2.85	-3.888	Nonpolar

cyclohexene	110-83-8	C(=CCCC1)C1	0.3662	0.3769	0	0.0819	0.8024	82.1436	2.86	-2.781	Nonpolar
chlorobenzene	108-90-7	c(cccc1)(c1)Cl	0.7038	0.772	0	0.1123	0.8388	112.56	2.86	-2.449	Nonpolar
diphenamid	957-51-7	CN(C)C(=O)C(c1ccccc1)c2ccccc2	1.4868	1.9727	0	0.8504	2.0033	239.3123	2.86	-3.386	Nonpolar
benzothiazole 2-mercapto	149-30-4	c1ccc2c(c1)[nH]c(=S)s2	1.8877	1.456	0.1297	0.4276	1.1325	167.2533	2.86	-2.488	Nonpolar
2,6-dimethoxytoluene	5673-07-4	COc1c(C)c(OC)ccc1	0.688	0.8145	0	0.4859	1.2565	152.1904	2.87	-2.763	Nonpolar
4-(diethylamino)benzaldehyde	120-21-8	O=Cc(ccc(N(CC)CC)c1)c1	1.0478	1.413	0	0.7551	1.5364	177.2429	2.87	-2.945	Nonpolar
dibutyl ether	142-96-1	O(CCCC)CCCC	0.04	0.35	0	0.26	1.2945	130.23	2.89	-2.893	Nonpolar
n,n-diphenyl-guanidine	102-06-7	N=C(Nc(cccc1)c1)Nc(cccc2)c2	1.8228	1.551	0.3904	0.9249	1.7215	211.2625	2.89	-3.214	Nonpolar
t-1,2-dichlorocyclohexane	822-86-6	ClC1C(Cl)CCCC1	0.6	0.55	0	0.15	1.0902	153.05	2.9	-3.034	Nonpolar
s-metolachlor isomer	87392-12-9	Cc1cccc(CC)c1N(C(=O)CCl)C(C)COC	1.1202	1.6169	0.0007	0.9755	2.2811	283.7934	2.9	-3.747	Nonpolar
molinate	2212-67-1	CCSC(=O)N1CCCCCC1	0.8778	1.319	0	0.7628	1.5471	187.3034	2.91	-3.309	Nonpolar
diethofencarb	87130-20-9	c1c(OCC)c(OCC)ccc1NC(=O)OC(C)C	0.9627	1.8746	0.3665	1.0733	2.1352	267.3209	2.91	-3.635	Nonpolar
linuron	330-55-2	O=C(N(OC)C)Nc(ccc(c1Cl)Cl)c1	1.3102	1.8176	0.44	0.9803	1.6579	249.0934	2.91	-3.75	Nonpolar
2,2-dichloropropane	594-20-7	C(Cl)(Cl)(C)C	0.1968	0.3239	0	0.0303	0.7761	112.9851	2.92	-2.517	Nonpolar
1,3-dichloro-2,4-dinitrobenzene	10199-85-6	c1cc(c(c(c1[N+](=O)[O-])Cl)[N+](=O)[O-])Cl	1.3699	1.9785	0	0.2473	1.3096	237	2.92		Nonpolar
benzyl-tert-butanol	103-05-9	OC(CCc(cccc1)c1)(C)C	0.7596	0.8578	0.3126	0.4388	1.4796	164.2441	2.93	-2.391	Nonpolar
pentachloroethane	76-01-7	C(C(Cl)Cl)(Cl)(Cl)Cl	0.75	0.67	0.09	0.13	1.0024	202.29	2.95	-3.427	Nonpolar
n-propylsulfide	111-47-7	CCCSCCC	0.3431	0.3429	0	0.1688	1.1175	118.2414	2.96	-2.527	Nonpolar
2,4-dichloroacetophenone	2234-16-4	O=C(c(c(cc(c1)Cl)Cl)c1)C	1.0656	1.2771	0	0.361	1.2587	189.038	2.96	-3.11	Nonpolar
2-ethylhexyl glycidyl ether	2461-15-6	O(C1COCC(CCCC)CC)C1	0.2998	0.5773	0	0.514	1.6673	186.2912	2.97	-3.097	Nonpolar
1,2-dichloro-4-methylbenzene	98-87-3	c(cccc1)(c1)C(Cl)Cl	0.7982	0.8309	0.088	0.1066	1.1021	161.0279	2.97	-2.917	Nonpolar
quinclorac	84087-01-4	Clc1ccc2cc(Cl)cnc2c1C(=O)O	1.8061	1.6891	0.5715	0.7796	1.5044	242.0576	2.97	-3.503	Nonpolar
2,4-hexadiene	592-46-1	CC=CC=CC	0.31	0.39	0	0.17	0.868	82.145	2.98	-2.91	Nonpolar
alpha-terpineol	98-55-5	OC(C(CCC(=C1)C)C1)(C)C	0.5336	0.5276	0.3126	0.4484	1.4247	154.2493	2.98	-2.618	Nonpolar
ametryn	834-12-8	CCNc1nc(NC(C)C)nc(SC)n1	1.4988	1.2689	0.2595	1.0719	1.8016	227.331	2.98	-3.404	Nonpolar
bromobenzene	108-86-1	c(cccc1)(c1)Br	0.8868	0.8539	0	0.1125	0.8914	157.01	2.99	-2.9	Nonpolar

2,2,4,4-tetramethyl-3-pentanone	815-24-7	O=C(C(C)(C)C)C(C)(C)C	0.1752	0.563	0	0.4241	1.3924	142.2386	3	-2.802	Nonpolar
1-octanol	111-87-5	OCCCCCCCC	0.2	0.47	0.31	0.32	1.2945	130.23	3	-2.204	Nonpolar
butoxybenzene	1126-79-0	O(c(cccc1)c1)CCCC	0.61	0.8	0	0.34	1.3387	150.22	3	-3.327	Nonpolar
alkylbenzene sulphonate, linear (c11.8)	25155-30-0	CCCCCCCCCCCCc1ccc(cc1)S(=O)(=O)[O-].[Na+]	0.871	1.7679	0.3126	0.9186	2.7468	348.48	3	-3.415	Nonpolar
alkylbenzene sulphonate, linear	68081-81-2	CCCCCCCCC(CC)c1ccc(cc1)S(=O)(=O)[O-].[Na+]	0.8825	1.7477	0.3126	0.9431	2.6059	312.4684	3	-3.415	Nonpolar
eptc	759-94-4	CCCN(CCC)C(=O)SCC	0.6667	1.232	0	0.7864	1.6557	189.3193	3.02	-3.324	Nonpolar
1,2-dimethoxy-4-(2-propenyl)benzene	93-15-2	O(c(c(OC)cc(c1)CC=C)c1)C	0.8388	1.3053	0	0.6344	1.4953	178.2277	3.03	-3.09	Nonpolar
vinclozolin	50471-44-8	c1c(Cl)cc(Cl)cc1N2C(=O)C(C)(C=C)OC2(=O)	1.5738	1.3803	0	0.9244	1.8449	286.1102	3.03	-3.934	Nonpolar
benzophenone	119-61-9	O=C(c(cccc1)c1)c(cccc2)c2	1.37	1.59	0	0.51	1.4808	182.22	3.05	-3.246	Nonpolar
propanil	709-98-8	CCC(=O)Nc1ccc(Cl)c(Cl)c1	1.1476	1.6069	0.5343	0.5884	1.4994	218.0793	3.07	-3.413	Nonpolar
flurprimidol	56425-91-3	c1cc(OC(F)(F)F)ccc1C(O)(C(C)C)c2cncnc2	1.1504	1.3239	0.3126	1.2384	2.1167	312.2871	3.07	-3.82	Nonpolar
2-undecanone	112-12-9	O=C(CCCCCCCCC)C	0.2	0.71	0	0.36	1.6742	170.29	3.08	-3.937	Nonpolar
bis (trichloromethyl) sulfone	3064-70-8	O=S(=O)(C(Cl)(Cl)Cl)C(Cl)(Cl)Cl	0.7099	1.6133	0	0.5356	1.4057	300.8024	3.08	-4.212	Nonpolar
n-octyl cyanide	2243-27-8	CCCCCCCCC#N	0.1767	0.7525	0.0007	0.2234	1.3905	139.238	3.12	-3.147	Nonpolar
xylene	1330-20-7	Cc1ccccc1C	0.6051	0.5768	0	0.1166	0.9982	106.165	3.12	-2.676	Nonpolar
3-chlorotoluene	108-41-8		0.73	0.71	0	0.11	0.9797	126.59	3.12	-2.927	Nonpolar
cyprazine	22936-86-3	n1c(Cl)nc(NC2CC2)nc1NC(C)C	1.4766	1.3167	0.3628	0.8929	1.6519	227.6939	3.12	-3.475	Nonpolar
cineole	470-82-6	O(C(CCC1C2)(C2)C)C1(C)C	0.4326	0.3881	0	0.3162	1.3591	154.2493	3.13	-2.667	Nonpolar
4-chlorotoluene	106-43-4		0.73	0.71	0	0.11	0.9797	126.59	3.13	-2.969	Nonpolar
ethylbenzene	100-41-4	c(cccc1)(c1)CC	0.579	0.6388	0	0.119	0.9982	106.17	3.15	-2.667	Nonpolar
pxylene	106-42-3	c(ccc(c1)C)(c1)C	0.6051	0.5768	0	0.1166	0.9982	106.17	3.15	-2.667	Nonpolar
chlorbromuron	13360-45-7	CON(C)C(=O)Nc1ccc(Br)c(Cl)c1	1.4931	1.8994	0.44	0.9805	1.7105	293.5447	3.15	-3.98	Nonpolar
1,1,2-trichloro-1,2,2-trifluoro-ethane	76-13-1	FC(F)(C(F)(Cl)Cl)Cl	0.1996	0.3095	0	0.045	0.8104	187.3747	3.16	-4.009	Nonpolar

3a,4,7,7a-tetrahydro-4,7-methano-1h-indene	77-73-6	C(C(C=CC12)C1)(C2C=C3)C3	0.9761	0.6037	0	0.2208	1.1058	132.2023	3.16	-3.406	Nonpolar
fluridone	59756-60-4	CN1C=C(c2ccccc2)C(=O)C(c3cc(C(F)(F)F)ccc3)=C1	1.6678	1.7334	0	1.0372	2.2842	329.3158	3.16	-4.3	Nonpolar
bromocyclohexane	108-85-0	BrC(CCCC1)C1	0.5243	0.4862	0.0007	0.0459	1.0204	163.0555	3.2	-3.124	Nonpolar
tribromoethene	598-16-3	BrC=C(Br)Br	1.0537	0.8871	0	0.1082	0.8724	264.7413	3.2	-3.864	Nonpolar
3,5,6-trichloro-2(1h)-pyridinone	6515-38-4	Oc1nc(Cl)c(Cl)cc1Cl	1.13	1.1646	0.6927	0.4325	1.1012	198.4336	3.21	-3.39	Nonpolar
terbuthylazine	5915-41-3	n(c(nc(n1)NC(C)(C)C)NCC)c1Cl	1.2306	1.1947	0.3628	0.8957	1.7605	229.7097	3.21	-3.618	Nonpolar
hexadecyl trimethyl ammonium chloride	112-02-7	CCCCCCCCCCCCCCCCN(Cl)(C)(C)C	-0.2349	0.1611	0	0.1061	2.907	320.01	3.23	-4.292	Nonpolar
metolachlor	51218-45-2	CCc1cccc(C)c1N(C(C)COC)C(=O)CCl	1.1202	1.6169	0.0007	0.9755	2.2811	283.7934	3.24	-3.747	Nonpolar
mcpa acid	94-74-6	O=C(O)COc(c(cc(c1)Cl)C)c1	0.9627	1.2876	0.5715	0.6464	1.3946	200.6187	3.25	-3.045	Nonpolar
trans-2-phenyl-1-cyclohexanol	2362-61-0	OC1CCCCC1c2ccccc2	1.0039	0.9841	0.3126	0.4391	1.5119	176.2548	3.27	-2.771	Nonpolar
n-isopropyl-n'phenyl-p-phenylenediamine	101-72-4	N(c(ccc(Nc(cccc1)c1)c2)c2)C(C)C	1.6049	1.6442	0.2574	0.73	1.9465	226.3169	3.28	-3.653	Nonpolar
n,n-diethylcyclohexyl-amine	91-65-6	N(C(CCCC1)C1)(CC)CC	0.3815	0.4579	0	0.5509	1.5088	155.2805	3.29	-2.136	Nonpolar
n,n-diethyl-aniline	91-66-7	CCN(CC)c1ccccc1	0.79	0.9218	0	0.4666	1.3798	149.2328	3.31	-3.117	Nonpolar
napropamide	15299-99-7	CCN(CC)C(=O)C(C)Oc1cccc2ccccc12	1.6666	1.9991	0	1.041	2.2459	271.3542	3.33	-4.049	Nonpolar
naphthalene	91-20-3	c(c(ccc1)ccc2)(c1)c2	1.27	1.02	0	0.17	1.0854	128.17	3.36	-2.955	Nonpolar
1,4-dichlorobenzene	106-46-7	c(ccc(c1)Cl)(c1)Cl	0.8551	0.8832	0	0.0992	0.9612	147	3.37	-3.212	Nonpolar
alachlor	15972-60-8	CCc1cccc(CC)c1N(COC)C(=O)CCl	1.1123	1.6284	0.0007	0.9448	2.1402	269.7668	3.37	-4.174	Nonpolar
acetochlor	34256-82-1	Cc1cccc(CC)c1N(C(=O)CCl)COCC	1.1123	1.6284	0.0007	0.9448	2.1402	269.7668	3.37	-3.756	Nonpolar
cyclohexane	110-82-7	C1CCCCC1	0.21	0.28	0	0.02	0.8454	84.16	3.38	-3.291	Nonpolar
1r,2s,5r-(-)-menthol	2216-51-5	OC(C(CCC1C)C(C)C)C1	0.4435	0.5049	0.3126	0.4175	1.4677	156.2652	3.38	-2.556	Nonpolar
2-(octylthio)ethanol	3547-33-9	OCCSCCCCCCCC	0.5374	0.6329	0.3126	0.4572	1.7398	190.3471	3.38	-3.698	Nonpolar
tetrachloroethylene	127-18-4	C(=C(Cl)Cl)(Cl)Cl	0.6	0.73	0	0.12	0.837	165.83	3.38	-3.315	Nonpolar
1,2-dichlorobenzene	95-50-1	c(c(ccc1)Cl)(c1)Cl	0.8307	0.8544	0	0.0994	0.9612	147	3.38	-3.203	Nonpolar
sodium tetradecyl sulphate	1191-50-0	CCCCCCCCCCCCCCOS(=O)(=O)O.[Na]	0.3037	1.5188	0.3126	1.0401	2.4795	316.4	3.4	-3.791	Nonpolar
nitrapyrin	1929-82-4	n(c(ccc1)C(Cl)(Cl)Cl)c1Cl	1.0736	1.1083	0	0.3819	1.3058	230.9056	3.41	-3.797	Nonpolar

naptalam	132-66-1	OC(=O)c1ccccc1C(=O)Nc2cccc3ccccc23	2.3773	2.5903	0.9802	1.1398	2.1649	291.3008	3.41	-4.241	Nonpolar
1,3,5-trimethylbenzene	108-67-8	c(cc(cc1C)C)(c1)C	0.6295	0.5193	0	0.1173	1.1391	120.1916	3.42	-3	Nonpolar
2-chlorotoluene	95-49-8	c(c(ccc1)Cl)(c1)C	0.7282	0.7144	0	0.113	0.9797	126.5832	3.42	-3.046	Nonpolar
chloroneb	2675-77-6	COc1cc(Cl)c(OC)cc1Cl	0.9049	1.0856	0	0.3829	1.3604	207.0533	3.44	-3.652	Nonpolar
4,7-dithiadecane	22037-97-4	CCCSCCSCCC	0.6834	0.5033	0	0.3015	1.5628	178.3605	3.46	-3.458	Nonpolar
1-methoxy-4-(2-propenyl)-benzene	140-67-0	O(c(ccc(c1)CC=C)c1)C	0.765	0.7973	0	0.3861	1.2957	148.2017	3.47	-3.244	Nonpolar
alkylbenzene sulphonate, linear (c13)	26248-24-8	CCCCCCCCCCCCCc1ccc(cc1)S(=O)(=O)[O-].[Na+]	0.8693	1.7723	0.3126	0.9217	2.8877	362.51	3.49	-3.995	Nonpolar
pentane	109-66-0		0	0.19	0	0.04	0.8131	72.15	3.5	-3.161	Nonpolar
mcpb	94-81-5	Cc1cc(Cl)ccc1OCCCC(O)=O	0.9591	1.2963	0.5715	0.6526	1.6764	228.6718	3.5	-3.465	Nonpolar
n,n-bis(1-methylpropyl)-1,4-benzenediamine	101-96-2	N(c(ccc(NC(CC)C)c1)c1)C(CC)C	1.0101	1.1371	0.2595	0.7594	2.0432	220.3538	3.5	-3.8	Nonpolar
vernolate	1929-77-7	CCCN(CCC)C(=O)SCCC	0.6649	1.2364	0	0.7895	1.7966	203.3459	3.51	-3.964	Nonpolar
chlorpropham	101-21-3	CC(C)OC(=O)Nc1cccc(Cl)c1	0.9721	1.3098	0.4353	0.6131	1.5766	213.6605	3.51	-3.757	Nonpolar
prometryn	7287-19-6	CSc1nc(NC(C)C)nc(NC(C)C)n1	1.5067	1.2574	0.2595	1.1026	1.9425	241.3576	3.51	-3.959	Nonpolar
flavone	525-82-6	c1ccc2C(=O)C=C(c3ccccc3)Oc2c1	1.7735	1.8214	0	0.7807	1.6697	222.2387	3.51	-3.862	Nonpolar
nonanoic acid	112-05-0	O=C(O)CCCCCCCC	0.1625	0.6451	0.5715	0.3789	1.4511	158.238	3.52	-2.882	Nonpolar
2,4-db acid	94-82-6	OC(=O)CCCOc1ccc(Cl)cc1Cl	1.0413	1.4227	0.5715	0.5829	1.6579	249.09	3.53	-3.637	Nonpolar
prometon	1610-18-0	O(c(nc(nc1NC(C)C)NC(C)C)n1)C	1.2023	1.2602	0.2595	1.1884	1.8377	225.291	3.57	-3.398	Nonpolar
4,5-dichloro-2-n-octyl-3(2h)-isothiazolone	64359-81-5	O=C1C(Cl)=C(Cl)SN1CCCCCCCC	1.2303	1.5967	0	0.8633	2.0307	282.2302	3.59	-4.324	Nonpolar
phenmedipham	13684-63-4	c1ccc(C)cc1NC(=O)Oc2cccc(NC(=O)OC)c2	1.6998	2.1986	0.7329	1.1919	2.2362	300.3093	3.59	-4.456	Nonpolar
1,3-dichlorobenzene	541-73-1	c(cccc1Cl)(c1)Cl	0.8308	0.8383	0	0.0534	0.9612	147	3.6	-3.289	Nonpolar
etridiazole	2593-15-9	CCOc1nc(ns1)C(Cl)(Cl)Cl	1.1624	1.2708	0	0.4857	1.4075	247.5302	3.6	-3.884	Nonpolar
fenarimol	60168-88-9	n(cc(C(O)(c(ccc(c1)Cl)c1)c(c(ccc2)Cl)c2)cn3)c3	2.3192	2.0027	0.3126	1.2328	2.2942	331.1955	3.6	-4.18	Nonpolar
1,5-cyclooctadiene	111-78-4		0.52	0.48	0	0.15	1.0412	108.18	3.61	-3.227	Nonpolar
edifenphos	17109-49-8	c1ccccc1SP(=O)(OCC)Sc2ccccc2	2.0259	1.6036	0	1.2214	2.255	310.3735	3.61	-4.435	Nonpolar

1-nonanol	143-08-8	OCCCCCCCCC	0.2	0.48	0.31	0.33	1.4354	144.26	3.63	-2.964	Nonpolar
1-bromohexane	111-25-1	BrCCCCCC	0.3035	0.4151	0.0007	0.0419	1.129	165.0714	3.63	-3.651	Nonpolar
fatty alcohol (c16-18) sulphate	68955-20-4	CCCCCCCCCCCCCCCCCCOS(=O)(=O)[O-].[Na+]	0.2984	1.5319	0.3126	1.0494	2.9022	336.5313	3.66	-4.834	Nonpolar
isopropylbenzene	98-82-8	c(cccc1)(c1)C(C)C	0.587	0.6273	0	0.1497	1.1391	120.2	3.66	-3.205	Nonpolar
n-propylbenzene	103-65-1		0.58	0.64	0	0.12	1.1391	120.19	3.67	-3.23	Nonpolar
dipentyl ether	693-65-2	O(CCCCC)CCCCC	0.03	0.36	0	0.27	1.5763	158.28	3.69	-3.769	Nonpolar
isopropyl disulfide	4253-89-8	S(SC(C)C)C(C)C	0.7064	0.4629	0	0.3505	1.281	150.3074	3.69	-3.45	Nonpolar
2-amino-4'-chlorobenzophenone	2894-51-1	Nc1ccccc1C(=O)c2ccc(Cl)cc2	1.8502	1.8513	0.1769	0.7769	1.703	231.6773	3.69	-4.04	Nonpolar
flutolanil	66332-96-5	C(F)(F)(F)c1ccccc1C(=O)Nc2cccc(OC(C)C)c2	1.1775	1.7309	0.4086	0.8298	2.2557	323.3097	3.7	-4.718	Nonpolar
chloroxuron	1982-47-4	CN(C)C(=O)Nc2ccc(Oc1ccc(Cl)cc1)cc2	1.8064	2.183	0.3143	1.1258	2.1433	290.7446	3.7	-4.48	Nonpolar
fenhexamid	126833-17-8	C2CCCC(C2)(C)C(Nc1ccc(c(c1Cl)Cl)O)=O	1.4346	1.703	0.999	0.7332	2.154	302.1957	3.72	-4.402	Nonpolar
hexachloroethane	67-72-1	C(C(Cl)(Cl)Cl)(Cl)(Cl)Cl	0.86	0.74	0	0.15	1.1248	236.74	3.73	-4.463	Nonpolar
n-(1,1-dimethylethyl)-n-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	886-50-0	CCNc1nc(NC(C)(C)C)nc(SC)n1	1.4718	1.2225	0.2595	1.0819	1.9425	241.3576	3.74	-4.155	Nonpolar
1-ethoxynaphthalene	5238-01-8							172.23	3.74		Nonpolar
decanal	112-31-2	O=CCCCCCCCCC	0.2256	0.7575	0	0.3424	1.5333	156.2652	3.76	-3.555	Nonpolar
oxythioquinox	2439-01-2	c1c(C)cc2nc3SC(=O)Sc3nc2c1	2.5093	1.8528	0	1.0766	1.5191	234.2995	3.78	-4.138	Nonpolar
2,4-dichlorotoluene	95-73-8		0.86	0.78	0	0.05	1.1021	161.03	3.79	-3.997	Nonpolar
1,4-dibromobenzene	106-37-6	c(ccc(c1)Br)(c1)Br	1.221	1.0469	0	0.0996	1.0664	235.904	3.79	-4.158	Nonpolar
alkylbenzene sulphonate, linear (c10)	2627-06-7	CCCCCCCCCCc1ccc(cc1)S(=O)(=O)[O-].[Na+]	0.8746	1.7592	0.3126	0.9124	2.465	298.44	3.8	-3.258	Nonpolar
cis-captafol	2939-80-2	O=C1N(C(=O)C2C1CC=CC2)SC(C(Cl)Cl)(Cl)Cl	2.0961	1.7027	0.088	1.2774	2.0417	349.0608	3.8	-4.99	Nonpolar
cycloate	1134-23-2	CCN(C1CCCCC1)C(=O)SCC	0.884	1.3119	0	0.7966	1.8289	215.3566	3.81	-4.085	Nonpolar
tillam	591-62-8	S(CCC)C(=O)N(CC)CCCC	0.6649	1.2364	0	0.7895	1.7966	203.3459	3.83	-3.955	Nonpolar

fludioxonil	131341-86-1	c12OC(F)(F)Oc2cccc1C3=CNC=C3C#N	1.5753	1.8672	0.31	0.8308	1.5248	248.1851	3.83	-4.794	Nonpolar
1-methylnaphthalene	90-12-0	c(c(c(cc1)C)ccc2)(c2)c1	1.3	0.96	0	0.17	1.2263	142.2	3.84	-3.544	Nonpolar
butylate	2008-41-5	CCSC(=O)N(CC(C)C)CC(C)C	0.6826	1.2091	0	0.8478	1.9375	217.3725	3.85	-4.331	Nonpolar
undecylenic acid	112-38-9	O=C(O)CCCCCCCCC=C	0.2828	0.7111	0.5715	0.4361	1.6899	184.2753	3.86	-3.447	Nonpolar
siduron	1982-49-6	CC1CCCCC1NC(=O)Nc2ccccc2	1.2162	1.5533	0.5146	0.8454	1.9503	232.3215	3.86	-4.141	Nonpolar
2-methylnaphthalene	91-57-6		1.3	0.96	0	0.17	1.2263	142.2	3.86	-3.536	Nonpolar
1-chloronaphthalene	90-13-1		1.42	1.1	0	0.17	1.2078	162.62	3.88	-3.872	Nonpolar
2-chloronaphthalene	91-58-7		1.42	1.1	0	0.17	1.2078	162.62	3.88	-3.718	Nonpolar
anilazine	101-05-3	Clc2nc(Cl)nc(Nc1ccccc1Cl)n2	1.8832	1.7728	0.231	0.6519	1.6679	275.5211	3.88	-4.523	Nonpolar
dibutylfumarate	105-75-9							228.29	3.96	-4.419	Nonpolar
1,3,5-trichlorobenzene	108-70-3		0.97	0.91	0	0.02	1.0836	181.45	3.97	-4.103	Nonpolar
alkylbenzene sulphonate, linear (c14)	28348-61-0	CCCCCCCCCCCCCCc1ccccc1S(=O)(=O)[O-].[Na+]	0.8675	1.7767	0.3126	0.9248	3.0286	376.53	3.98	-5.344	Nonpolar
1,2,3-trichlorobenzene	87-61-6	c(c(c(cc1)Cl)Cl)(c1)Cl	0.95	0.92	0	0.04	1.0836	181.45	3.98	-3.984	Nonpolar
cyprodinil	121552-61-2	c1ccccc1Nc2nc(C3CC3)cc(C)n2	1.7454	1.4723	0.1277	0.7013	1.7968	225.2891	3.99	-4.26	Nonpolar
acenaphthene	83-32-9	c(c(ccc1)ccc2)(c1CC3)c23	1.53	0.99	0	0.15	1.2586	154.21	4.01	-4.784	Nonpolar
decanoic acid	334-48-5	CCCCCCCCCC(=O)O	0.1607	0.6494	0.5715	0.382	1.592	172.2646	4.02	-3.556	Nonpolar
butylsulfide	544-40-1	CCCCSCCCC	0.3396	0.3516	0	0.175	1.3993	146.2945	4.02	-3.57	Nonpolar
1,2,4-trichlorobenzene	120-82-1	c(ccc(c1Cl)Cl)(c1)Cl	0.9616	0.952	0	0.0302	1.0836	181.45	4.02	-3.958	Nonpolar
dimepiperate	61432-55-1	C1CCCCN1C(=O)SC(C)(C)c2ccccc2	1.435	1.7174	0	0.8865	2.1549	263.3994	4.02	-4.555	Nonpolar
diiodomethyl p-tolyl sulfone	20018-09-1	O=S(=O)(c(ccc(c1)C)c1)C(I)I	1.9005	1.977	0.088	0.6859	1.7955	422.0229	4.03	-5.72	Nonpolar
1,1-oxybisbenzene	101-84-8	c1ccc(cc1)Oc2ccccc2	1.1947	1.2495	0	0.4144	1.3829	170.2072	4.05	-4.038	Nonpolar
irgarol 1051	28159-98-0	n(c(nc(n1)NC(C2)C2)NC(C)(C)C)c1SC	1.6909	1.298	0.2595	1.089	1.9748	253.3683	4.07	-4.528	Nonpolar
biphenyl	92-52-4	c(c(cccc1)c1)(cccc2)c2	1.3866	1.1625	0	0.2118	1.3242	154.21	4.09	-3.751	Nonpolar
methyl cyclohexane	108-87-2		0.22	0.27	0	0.05	0.9863	98.19	4.1	-3.539	Nonpolar
2,5-dimethyl-2,4-hexadiene	764-13-6	C(=CC=C(C)C)(C)C	0.27	0.28	0	0.21	1.1498	110.2	4.1	-3.532	Nonpolar
1-methyl-4-(1-methylethyl)-benzene	99-87-6	c(ccc(c1)C)(c1)C(C)C	0.6113	0.5697	0	0.1504	1.28	134.2182	4.1	-3.683	Nonpolar

1,2,4,5-tetramethylbenzene	95-93-2		0.65	0.46	0	0.12	1.28	134.22	4.11	-3.597	Nonpolar
dibenzofuran	132-64-9	c1ccc2c(c1)c3ccccc3o2	1.7756	1.2174	0	0.2668	1.2743	168.1913	4.12	-5.057	Nonpolar
bensulide	741-58-2	CC(C)OP(=S)(OC(C)C)SCCNS(=O)(=O)c1ccccc1	1.9613	1.8892	0.3651	1.6944	2.8733	397.5165	4.12	-5.685	Nonpolar
propiconazole	60207-90-1	CCCC1COC(O1)(Cn2cncn2)c3ccc(cc3Cl)Cl	1.9082	1.9957	0	0.9841	2.3429	342.2199	4.13	-4.872	Nonpolar
2-dodecanone	6175-49-1	O=C(CCCCCCCCCC)C	0.2008	0.7094	0	0.3646	1.8151	184.3184	4.18	-4.12	Nonpolar
fluorene	86-73-7	c(c(c(c1ccc2)c2)ccc3)(c3)C1	1.6483	1.13	0	0.1865	1.3565	166.2185	4.18	-5.094	Nonpolar
1-decanol	112-30-1	OCCCCCCCCCC	0.19	0.48	0.31	0.33	1.5763	158.28	4.19	-3.749	Nonpolar
34dichlorotoluene	95-75-0	c(ccc(c1Cl)Cl)(c1)C	0.8551	0.7969	0	0.1001	1.1021	161.03	4.22	-3.75	Nonpolar
benzene, 1,2-dichloro-4-(trifluoromethyl)-	328-84-7	FC(F)(F)c(ccc(c1Cl)Cl)c1	0.4927	0.626	0	0	1.1549	214.9993	4.24	-4.394	Nonpolar
cymoxanil	57966-95-7	O=C(NCC)NC(=O)C(=NOC)C#N	0.9201	1.8707	0.4422	1.3883	1.4552	198.1795	4.24	-1.151	Nonpolar
undecyl aldehyde	112-44-7	O=CCCCCCCCCCC	0.2238	0.7619	0	0.3455	1.6742	170.2918	4.25	-4.077	Nonpolar
butylbenzene	104-51-8	c(cccc1)(c1)CCCC	0.5755	0.6475	0	0.1252	1.28	134.22	4.26	-3.922	Nonpolar
p-tert-butyltoluene	98-51-1		0.58	0.52	0	0.16	1.4209	148.25	4.26	-4.698	Nonpolar
difenoconazole	119446-68-3	O1CC(C)OC1(Cn2ncnc2)c3c(Cl)cc(Oc4ccc(Cl)cc4)cc3	2.5539	2.5757	0	1.2669	2.7276	406.2621	4.3	-5.834	Nonpolar
dimethylnaphthalene	28804-88-8	Cc1c(ccc2c1cccc2)C	1.3236	0.9007	0	0.1748	1.3672	156.2237	4.31	-4.022	Nonpolar
3-chloro-3-nitrosalicylanilide	6491-02-7	N(=O)(=O)c1c(O)c(C(=O)Nc2cc(Cl)ccc2)ccc1	1.9251	2.3099	0.2228	0.6113	1.9359	292.6743	4.34	-5.038	Nonpolar
1-bromoheptane	629-04-9	BrCCCCCCC	0.3017	0.4195	0.0007	0.045	1.2699	179.098	4.36	-4.231	Nonpolar
2-chlorobiphenyl	2051-60-7	Clc1ccccc1c2ccccc2	1.534	1.2425	0	0.2089	1.4466	188.6526	4.4	-4.549	Nonpolar
3-chlorobiphenyl	2051-61-8	Clc1cccc(c1)c2ccccc2	1.534	1.2425	0	0.2089	1.4466	188.6526	4.4	-4.489	Nonpolar
4-chlorobiphenyl	2051-62-9	Clc1ccc(cc1)c2ccccc2	1.534	1.2425	0	0.2089	1.4466	188.6526	4.4	-4.514	Nonpolar
beta-ionone	79-77-6	O=C(C=CC(=C(CCC1)C)C1(C)C)C	0.6641	0.8178	0	0.537	1.7614	192.2973	4.42	-3.883	Nonpolar
anthracene	120-12-7	c(c(ccc1)cc(c2ccc3)c3)(c1)c2	1.9932	1.3397	0	0.2316	1.4544	178.2292	4.45	-5.412	Nonpolar
diallate	2303-16-4	CC(C)N(C(C)C)C(=O)SCC(Cl)=CCl	1.0616	1.5305	0	0.923	1.9984	270.2195	4.49	-5.006	Nonpolar

linear alcohol ethoxylate (c10-12-eo6)	9002-92-0	CCCCCCCCCCCCOCCOCCOCCCCCOCCO	0.4076	1.2454	0.2277	1.5244	3.5606	406.597	4.5	-4.556	Nonpolar
n-(butoxymethyl)-2-chloro-n-(2,6-diethylphenyl)acetamide	23184-66-9	CCCCOCN(C(=O)CCl)c1c(CC)cccc1CC	1.107	1.6415	0.0007	0.9541	2.5629	311.8466	4.5	-5.317	Nonpolar
cis-7-dodecen-1-ol	20056-92-2	OCCCCCCC=CCCCC	0.3459	0.5887	0.3126	0.4001	1.8151	184.3184	4.55	-3.926	Nonpolar
2,4,5-trichlorotoluene	6639-30-1	c(c(cc(c1Cl)Cl)Cl)(c1)C	0.986	0.8944	0	0.0309	1.2245	195.4727	4.56	-4.521	Nonpolar
(r)-1-methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	C(=CCC(C(=C)C)C1)(C1)C	0.4504	0.3222	0	0.2048	1.323	136.234	4.57	-4.473	Nonpolar
triallate	2303-17-5	CC(C)N(C(C)C)C(=O)SCC(=C(Cl)Cl)Cl	1.1616	1.6157	0	0.9385	2.1208	304.6643	4.57	-5.35	Nonpolar
phenanthrene	85-01-8	c(c(c(c(c1)ccc2)c2)ccc3)(c1)c3	1.99	1.34	0	0.23	1.4544	178.23	4.57	-5.42	Nonpolar
1-bromooctane	111-83-1	BrCCCCCCCC	0.2999	0.4238	0.0007	0.0481	1.4108	193.1246	4.61	-4.786	Nonpolar
1,2,3,5-tetrachlorobenzene	634-90-2		1.09	1.03	0	0	1.206	215.89	4.64	-4.67	Nonpolar
pentachloronitro-benzene	82-68-8	O=N(=O)c(c(c(c(c1Cl)Cl)Cl)Cl)c1Cl	1.4685	1.6964	0	0.0121	1.5026	295.3332	4.64	-5.707	Nonpolar
didecyldimethylammonium chloride	7173-51-5	N(Cl)(C)(C)(CCCCCCCCCC)CCCCCCCCCC	-0.2402	0.1742	0	0.1154	3.3297	362.09	4.66	-5.818	Nonpolar
1,2,4-tribromobenzene	615-54-3	c(ccc(c1Br)Br)(c1)Br	1.5105	1.1976	0	0.0309	1.2414	314.8	4.66	-5.478	Nonpolar
2-tridecanone	593-08-8	O=C(CCCCCCCCCCC)C	0.1991	0.7138	0	0.3677	1.956	198.3449	4.68	-4.641	Nonpolar
n-(1,3-dimethylbutyl)-n-phenyl-1,4-benzenediamine	793-24-8	N(c(ccc(Nc(cccc1)c1)c2)c2)C(CC(C)C)C	1.6093	1.6415	0.2574	0.767	2.3692	268.3966	4.68	-5.155	Nonpolar
1-undecanol	112-42-5	OCCCCCCCCCCC	0.19	0.49	0.31	0.33	1.7172	172.31	4.7	-3.602	Nonpolar
piperonyl butoxide	51-03-6	O(c(c(O1)cc(c2CCC)COCCOCCOCCCC)c2)C1	1.0257	1.3627	0	1.174	2.733	338.4385	4.75	-5.724	Nonpolar
dithiopyr	97886-45-8	n1c(C(F)F)c(C(=O)SC)c(CC(C)C)c(C(=O)SC)c1C(F)(F)F	1.2471	1.5633	0.088	1.115	2.5307	401.4171	4.75	-6.183	Nonpolar
1-dodecanamine	124-22-1	NCCCCCCCCCCCC	0.1878	0.5374	0.2107	0.6041	1.8992	185.3495	4.76	-3.614	Nonpolar
oxadiazon	19666-30-9	CC(C)Oc1cc(c(Cl)cc1Cl)N2N=C(OC2=O)C(C)(C)C	1.5083	1.4586	0	0.954	2.4104	345.2205	4.81	-5.816	Nonpolar

aramite	140-57-8	CC(COc1ccc(cc1)C(C)(C)C)OS(=O)OCCCl	1.3446	2.3253	0.0007	1.521	2.5052	334.8594	4.82	-5.754	Nonpolar
octylphenol polyglycol ether (oppe)(triton)	9002-93-1	CC(C)(C)CC(C)(C)c1ccc(OCCO)cc1	0.8389	0.8449	0.2277	0.7935	2.2428	250.3764	4.86	-4.67	Nonpolar
undecylcyanide	2437-25-4	CCCCCCCCCCCC#N	0.1714	0.7656	0.0007	0.2327	1.8132	181.3178	4.9	-4.859	Nonpolar
n-(4-chlorophenyl)-n-(3,4-dichlorophenyl)urea	101-20-2	O=C(Nc(ccc(c1)Cl)c1)Nc(ccc(c2Cl)Cl)c2	2.0039	2.2291	0.7716	0.7065	2.0476	315.5815	4.9	-5.688	Nonpolar
amylbenzene	538-68-1	c(cccc1)(c1)CCCCC	0.5737	0.6519	0	0.1283	1.4209	148.25	4.91	-4.468	Nonpolar
pyrene	129-00-0	c(c(c(cc1)ccc2)c2cc3)(c1ccc4)c34	2.5998	1.517	0	0.2513	1.5846	202.26	4.92	-5.954	Nonpolar
1,3,5-trichloro-2-(4-nitrophenoxy)-benzene	1836-77-7	Clc2cc(Cl)c(Oc1ccc(cc1)N(=O)=O)c(Cl)c2	1.849	2.0739	0	0.3933	1.9243	318.5391	4.97	-6.157	Nonpolar
1,2,3,4-tetrachlorobenzene	634-66-2	c(c(c(c(c1)Cl)Cl)Cl)(c1)Cl	1.0681	1.0208	0	0	1.206	215.89	4.99	-4.704	Nonpolar
lauric acid	143-07-7	O=C(O)CCCCCCCCCCC	0.1571	0.6582	0.5715	0.3882	1.8738	200.3178	5	-4.196	Nonpolar
9-methylanthracene	779-02-2		2.02	1.28	0	0.23	1.5953	192.26	5.01	-6.043	Nonpolar
4,4'-dichlorobiphenyl	2050-68-2	Clc1ccc(cc1)c2ccc(Cl)cc2	1.6814	1.3226	0	0.206	1.569	223.0973	5.05	-5.295	Nonpolar
3-(3,4-dichlorophenoxy)-benzaldehyde	79124-76-8	Clc2ccc(Oc1cccc(C=O)c1)cc2Cl	1.7103	1.9207	0	0.6208	1.7843	267.1068	5.06	-5.466	Nonpolar
fluoranthene	206-44-0	c(c(ccc1)ccc2)(c1c(c3ccc4)c4)c23	2.6	1.52	0	0.25	1.5846	202.26	5.08	-6.193	Nonpolar
octylphenoxy-polyethoxyethanol	9036-19-5	CC(C)(C)CC(C)(C)C1=CC=C(OCCOCCOCCOCCOCCO)C=C1	0.9825	1.4977	0.2277	1.6677	3.6048	426.5867	5.09	-5.015	Nonpolar
pentachlorobenzene	608-93-5	c(c(c(c(c1Cl)Cl)Cl)Cl)(c1)Cl	1.199	1.1263	0	0	1.3284	250.34	5.17	-5.442	Nonpolar
1,4-benzenediamine, n-(1,4-dimethylpentyl)-n -phenyl-	3081-01-4	N(c(ccc(Nc(cccc1)c1)c2)c2)C(CCC(C)C)C	1.6075	1.6459	0.2574	0.7701	2.5101	282.4232	5.17	-5.676	Nonpolar
1-dodecanol	112-53-8	OCCCCCCCCCCCC	0.19	0.49	0.31	0.34	1.8581	186.34	5.2	-4.432	Nonpolar
tridecyl aldehyde	10486-19-8	O=CCCCCCCCCCCCC	0.2203	0.7706	0	0.3517	1.956	198.3449	5.24	-5.12	Nonpolar
1-tridecanamine	2869-34-3	NCCCCCCCCCCCCC	0.186	0.5418	0.2107	0.6072	2.0401	199.3761	5.25	-4.135	Nonpolar
octane	111-65-9		-0.0043	0.2	0	0.0484	1.2358	114.23	5.34	-4.996	Nonpolar
n,n-dimethyl-1-dodecanamine	112-18-5	N(CCCCCCCCCCCC)(C)C	0.1535	0.4042	0	0.5593	2.181	213.4027	5.44	-4.396	Nonpolar

flumetralin	62924-70-3	N(=O)(=O)c1cc(C(F)(F)F)cc(N(=O)(=O))c1N(CC)Cc2c(F)cccc2Cl	1.6098	2.3294	0	0.5762	2.5288	421.7306	5.45	-6.929	Nonpolar
pyraclostrobin	175013-18-0	c1(ccc(n2ccc(OCc3c(cccc3)N(OC)C(OC)=O)n2)cc1)Cl	2.5185	2.7584	0	1.5653	2.7295	387.8167	5.45	-5.435	Nonpolar
tridecanoic acid	638-53-9	O=C(O)CCCCCCCCCCCC	0.1554	0.6626	0.5715	0.3913	2.0147	214.3443	5.49	-5.057	Nonpolar
1,5,9-cyclododecatriene	676-22-2	C(=CCCC=CC1)CCC=CC1	0.6674	0.6005	0	0.227	1.5618	162.2713	5.5	-5.619	Nonpolar
1-nonylphenol polyglycol(10eo)-ether	9016-45-9	CCCCCCCCCc(cc1)ccc1OCCOCCOCCOCCOCCO	1.0117	1.6353	0.2277	1.6019	3.7457	440.6133	5.58	-5.727	Nonpolar
nerolidol	7212-44-4	OC(C=C)(CCC=C(CCC=C(C)C)C)C	0.5625	0.5775	0.3126	0.59	2.1518	222.3663	5.68	-5.162	Nonpolar
3-(4-tert-butylphenoxy)-benzaldehyde	69770-23-6	CC(C)(C)c2ccc(Oc1cccc(C=O)c1)cc2	1.456	1.6296	0	0.7473	2.1031	254.3236	5.68	-5.903	Nonpolar
hexachlorobenzene	118-74-1	c(c(c(c(c1Cl)Cl)Cl)Cl)(c1Cl)Cl	1.3299	1.2319	0	0	1.4508	284.7804	5.73	-6.171	Nonpolar
pyridate	55512-33-9	c1ccccc1c2nnc(Cl)cc2OC(=O)SCCCCCCCC	2.0208	1.9566	0	0.9911	2.8704	378.9169	5.73	-6.859	Nonpolar
tribufos	78-48-8	CCCCSP(=O)(SCCCC)SCCCC	1.1672	0.7145	0	0.9881	2.5532	314.5139	5.75	-6.361	Nonpolar
3,7,11-trimethyl-2,6,10-dodecatrien-1-ol	4602-84-0	OCC=C(CCC=C(CCC=C(C)C)C)C	0.5888	0.6287	0.3126	0.584	2.1518	222.3663	5.77	-5.238	Nonpolar
fatty alcohol (c12-14) polyglycol(30eo)-ether	68439-50-9	CCCCCCCCCCCCOCC	0.0245	0.3806	0	0.2793	2.1399	214.3874	5.96	-5.855	Nonpolar
fatty alcohol (c12-18) 2eo/4po ether	69227-21-0	CCCCCCCCCCCCOCC	0.0245	0.3806	0	0.2793	2.1399	214.3874	5.96	-5.855	Nonpolar
dodecylacrylate	2156-97-0	O=C(OCCCCCCCCCCCC)C=C	0.1713	0.6834	0	0.4485	2.2535	240.3816	6.13	-6.189	Nonpolar
fatty alcohol (c12-18) polyglycol(10eo)-ether	61791-28-4	CCCCCCCCC=CCCCCCCCCOCCOCCOCCOCCOCCO	0.5528	1.3703	0.2277	1.6063	4.363	488.7406	6.13	-7.487	Nonpolar
1,4-benzenediamine, n,n-bis(1,4-dimethylpentyl)-	3081-14-9	N(c(ccc(NC(CCC(C)C)C)c1)c1)C(CCC(C)C)C	1.0188	1.1317	0.2595	0.8332	2.8886	304.5133	6.3	-6.804	Nonpolar
4-decylaniline	37529-30-9	CCCCCCCCCCc1ccc(N)cc1	0.8674	1.0629	0.2266	0.459	2.2252		6.32	-6.064	Nonpolar
2,2',4,4'-tetrachlorobiphenyl	2437-79-8	Clc1ccc(c(Cl)c1)c2ccc(Cl)cc2Cl	1.9354	1.4553	0	0.0881	1.8138	291.9868	6.34	-6.701	Nonpolar

[1r-(1a,4a beta,4b alpha,7 alpha,10a alpha)]-7-ethenyl-1,2,3,4,4a,4b,5,6,7,8,10,10a-dodecahydro-1,4a,7-trimethyl-1-phenanthrene-carboxylic acid	5835-26-7	CC3(CCC1C(=CCC2C1(C)CCCC2(C)C(=O)(O))C3)C=C	1.0079	0.8217	0.5715	0.6309	2.5892	302.451	6.45	-6.515	Nonpolar
decane	124-18-5		-0.0078	0.2087	0	0.0546	1.5176	142.28	6.56	-5.055	Nonpolar
(z)-9-octadecen-1-amine	112-90-3	NCCCCCCCCC=CCCCCCCCC	0.333	0.6623	0.2107	0.6859	2.7016	267.4931	7.5	-6.544	Nonpolar
1-methylpiperazine	109-01-3	CN1CCNCC1	0.4981	0.6438	0.1609	0.9402	0.9041	100.1623	−0.1	0.999	Nonpolar
acetaldoxime	107-29-9	C/C=N/O	0.4005	0.3767	0.3126	0.4422	0.5059	59.0672	−0.13	0.477	Nonpolar
1,4-dicyanobutane	111-69-3	C(CCC#N)CC#N	0.3648	1.2875	0.0014	0.3859	0.9816	108.1412	−0.32	0.017	Nonpolar
malononitrile	109-77-3	C(C#N)C#N	0.3354	1.2028	0.0881	0.3407	0.5589	66.0615	−0.6	0.562	Nonpolar
1-(2-aminioethyl)-piperazine	140-31-8	C1CN(CCN1)CCN	0.6792	0.9787	0.3852	1.4825	1.1448	129.2035	−0.6	0.889	Nonpolar
linear alcohol ethoxylate (c11-15-eo9)	27306-79-2	CCCCCCCCCCCCCCOCCO	0.2604	0.6013	0.2277	0.6564	2.4804	258.44			Nonpolar
poe isooctadecanol	52292-17-8	CC(C)CCCCCCCCCCCCCCCCOCCOCCO	0.2989	0.7662	0.2277	0.915	3.3845	358.5988			Nonpolar
linear alcohol ethoxylate sulphate (c13-15)	27731-62-0	CCCCCCCCCCCCCCCOCCOCCOCCOS(=O)(=O)[O-].[Na+]	0.4114	2.0084	0.3126	1.6957	3.501	426.6093			Nonpolar
propham	122-42-9	CC(C)OC(=O)Nc1ccccc1	0.845	1.2435	0.3665	0.672	1.4542	179.2158		-2.729	Nonpolar
alkylbenzene sulphonate, linear (c18)	27177-79-3	CCCCCCCCCCCCCCCCCCc1ccccc1S(=O)(=O)[O-].[Na+]	0.8604	1.7942	0.3126	0.9372	3.5922	410.6545			Nonpolar
sodium benzenesulfonate	8046-53-5	c1ccc(cc1)S(=O)(=O)[O-].[Na+]	0.8662	1.7774	0.3126	0.8838	1.056	158.176			Nonpolar
isopolinate	3134-70-1	CC(C)SC(=O)N1CCCCCC1	0.8858	1.3075	0	0.7935	1.688	201.33		-3.508	Nonpolar
cis-diallate	17708-57-5	CC(C)N(C(C)C)C(=O)SC/C(=C/Cl)/Cl	1.0616	1.5305	0	0.923	1.9984	270.2195		-5.006	Nonpolar
dichlormate	1966-58-1	CNC(=O)OCc1ccc(c(c1)Cl)Cl	1.1094	1.5026	0.2132	0.6337	1.5581	234.0787		-3.43	Nonpolar
merphos	150-50-5	CCCCSP(SCCCC)SCCCC	1.1173	0.2586	0	0.7202	2.4945	298.5145		-7.929	Nonpolar
triflumizole	68694-11-1	FC(F)(F)c2cc(Cl)ccc2\N=C(\COCCC)n1ccnc1	1.2208	1.3563	0	0.8231	2.2802	345.7471		-2.917	Nonpolar
prosulfocarb	52888-80-9	CCCN(CCC)C(=O)SCc1ccccc1	1.2412	1.6926	0	0.8725	2.1226	251.3887		-5.005	Nonpolar
esprocarb	85785-20-2	CCN(C(C)C(C)C)C(=O)SCc1ccccc1	1.2588	1.6654	0	0.9309	2.2635	265.4153		-5.065	Nonpolar

methiobencarb	18357-78-3	CCN(CC)C(=O)SCc1ccc(cc1)OC	1.3085	1.7808	0	1.0794	2.0404	253.3615		-3.895	Nonpolar
thiobencarb	28249-77-6	CCN(CC)C(=O)SCc1ccc(cc1)Cl	1.3921	1.7639	0	0.8634	1.9632	257.7803		-3.984	Nonpolar
orbencarb	34622-58-7	CCN(CC)C(=O)SCc1ccccc1Cl	1.3921	1.7639	0	0.8634	1.9632	257.7803		-4.01	Nonpolar
tebuconazole	107534-96-3	CC(C)(C)C(CCc1ccc(cc1)Cl)(Cn2cncn2)O	1.6656	1.7596	0.3126	0.928	2.4113	307.8182		-4.095	Nonpolar
uniconazole-p	83657-17-4	C/C(=C(\C(C(C)(C)C)O)/n1cncn1)/c2ccc(cc2)Cl	1.8043	1.7954	0.3126	1.0164	2.3683	305.8023		-3.952	Nonpolar
pyribencarb	799247-52-2	Cc1cccc(n1)CO/N=C(\C)/c2ccc(c(c2)CNC(=O)OC)Cl	1.855	1.9368	0.2132	1.392	2.6815	361.8225			Nonpolar
cyproconazole	94361-06-5	CC(C1CC1)C(Cn2cncn2)(c3ccc(cc3)Cl)O	1.9348	1.8084	0.3126	1.0594	2.1618	291.7757		-3.295	Nonpolar
triclopyricarb	902760-40-1	COC(=O)N(c1ccccc1COc2c(cc(c(n2)Cl)Cl)Cl)OC	1.9433	2.3883	0	1.3303	2.5055	391.6329			Nonpolar
benthiavalicarb	413615-35-7	C[C@H](c1nc2ccc(cc2s1)F)NC(=O)[C@H](C(C)C)NC(=O)O	1.967	2.7111	1.04	1.5438	2.4035	339.3862			Nonpolar
bromuconazole	116255-48-2	c1cc(c(cc1Cl)Cl)C2(CC(CO2)Br)Cn3cncn3	2.1765	2.0564	0.0007	0.7653	2.1774	377.0634		-4.716	Nonpolar
fenbuconazole	114369-43-6	c1ccc(cc1)C(CCc2ccc(cc2)Cl)(Cn3cncn3)C#N	2.2405	2.5537	0	0.8693	2.5515	336.8179		-4.68	Nonpolar
fenasulam	78357-48-9	Cc1cc(ccc1OCC(=O)Nc2ccc(cc2)S(=O)(=O)NC(=O)OC)Cl	2.2793	3.4696	0.853	1.8118	2.7804	412.8455			Nonpolar
pyrametostrobin	915410-70-7	Cc1c(nn(c1OCc2ccccc2N(C(=O)OC)OC)C)c3ccccc3	2.5356	2.5969	0	1.5744	2.8889	381.4251			Nonpolar
fluoxastrobin	361377-29-9	CO/N=C(\c1ccccc1Oc2c(c(ncn2)Oc3ccccc3Cl)F)/C4=NOCCO4	2.5978	2.292	0	1.9713	2.9928	458.8268			Nonpolar
triadimefon	43121-43-3									-3.708	Nonpolar
metronidazole	443-48-1							171.16		-0.823	Nonpolar
triadimenol	55219-65-3									-3.478	Nonpolar
fatty alcohol (c12-14) ether sulphate	68585-34-2										Nonpolar
n-methylneodecan-amide (mnda)	105726-67-8										Nonpolar

iprovalicarb	140923-17-7										Nonpolar
trans-diallate	17708-58-6										Nonpolar
alkylbenzene sulphonate, linear (c16)	28348-62-1										Nonpolar
amitraz	3089-61-1	CN(C=Nc1ccc(C)cc1C)C=Nc2ccc(C)cc2C	1.8014	0.9166	0	0.9791	2.5239	293.4061			Octopamine receptor agonists
oxydemeton-methyl	301-12-2	CCS(=O)CCSP(=O)(OC)OC	1.0871	1.8888	0	1.8252	1.7204	246.2867	-1.03	-0.365	Organophosphate
schradan	152-16-9	O=P(OP(=O)(N(C)C)N(C)C)(N(C)C)N(C)C	0.1004	3.3331	0	2.2516	2.2203	286.2488	-1.01	-0.428	Organophosphate
demeton-s-methylsulphon	17040-19-6	CCS(=O)(=O)CCSP(=O)(OC)OC	0.6689	1.6057	0	1.677	1.7791	262.2861	-0.91	-0.333	Organophosphate
acephate	30560-19-1	COP(=O)(NC(C)=O)SC	0.5051	2.2181	0.2553	1.0765	1.2732	183.1669	-0.85	0.188	Organophosphate
methamidophos	10265-92-6	COP(N)(=O)SC	0.4537	1.5549	0.2107	0.9425	0.9757	141.1302	-0.8	0.452	Organophosphate
amiton oxalate	3734-97-2	O=P(OCC)(OCC)SCCN(CC)(CC)(H)OC(=O)C(=O)O						269.35	-0.72	-0.811	Organophosphate
oxydeprofos	2674-91-1	CCS(=O)CC(C)SP(=O)(OC)OC	1.095	1.8774	0	1.8559	1.8613	260.3132	-0.61	-0.575	Organophosphate
dimefox	115-26-4	CN(C)P(F)(=O)N(C)C	-0.0648	1.6689	0	0.9976	1.1527	154.1231	-0.36	-0.017	Organophosphate
endothion	2778-04-3	O=P(OC)(OC)SCC1=CC(=O)C(OC)=CO1	1.3353	1.6785	0	2.0138	1.8594	280.2357	-0.31	-0.98	Organophosphate
cis-azodrin	919-44-8	CNC(=O)C=C(C)OP(=O)(OC)OC	0.708	1.6118	0.2553	1.8659	1.6068	223.1636	-0.2	-0.658	Organophosphate
dicrotophos	141-66-2	COP(=O)(OC)OC(C)=CC(=O)N(C)C	0.7247	1.6232	0	1.9207	1.7477	237.1901	-0.1	-0.931	Organophosphate
demephion-o	682-80-4	COP(=O)(OC)OCCSC	0.6102	0.8439	0	1.3504	1.416	200.1941	-0.02	-0.641	Organophosphate
methyl acetoxon	2088-72-4	CCOC(=O)CSP(=O)(OC)OC	0.6331	1.0894	0	1.4686	1.5726	228.2042	0.07	-0.928	Organophosphate
morphothion	144-41-2	COP(=S)(OC)SCC(=O)N1CCOCC1	1.483	1.7033	0	1.5722	1.9504	285.3227	0.1	-1.369	Organophosphate
(e)-mevinphos	298-01-1	P(=O)(OC)(OC)OC(=CC(=O)OC)C	0.4616	1.1384	0	1.6367	1.5657	224.1483	0.13	-0.947	Organophosphate
(z)-mevinphos	338-45-4	O=P(OC)(OC)OC=C(C)C(=O)OC	0.4616	1.1384	0	1.6367	1.5657	224.1483	0.13	-0.947	Organophosphate
methocrotophos	25601-84-7	COP(=O)(C)OC(C)=CC(=O)N(C)OC	0.7247	1.6232	0	1.9207	1.7477	237.1901	0.16	-1.064	Organophosphate
triamiphos	1031-47-6	c1ccccc1c2nn(P(=O)(N(C)C)N(C)C)c(N)n2	1.9689	3.3394	0.2266	1.793	2.2293	294.2929	0.19	-1.506	Organophosphate
sarin	107-44-8	CC(C)OP(C)(F)=O	0.0988	0.3602	0	0.7898	1.0118	140.0932	0.3	-0.48	Organophosphate
bomyl	122-10-1	COC(=O)CC(OP(=O)(OC)OC)=CC(=O)OC	0.5221	1.5427	0	1.9704	1.9219	282.1844	0.3	-1.517	Organophosphate
diamidafos	1754-58-1	O=P(NC)(NC)Oc1ccccc1	0.6142	2.2685	0.2678	1.2233	1.5198	200.1749	0.32	-0.939	Organophosphate

mipafox	371-86-8	O=P(NC(C)C)(NC(C)C)F	-0.0857	1.6319	0.2678	0.9555	1.4345	182.1763	0.36	-0.838	Organophosphate
trichlorfon	52-68-6	COP(=O)(OC)C(O)C(Cl)(Cl)Cl	0.7417	1.054	0.42	1.297	1.4788	257.4358	0.42	-1.004	Organophosphate
amidithion	919-76-6	S=P(OC)(OC)SCC(=O)NCCOC	1.2335	1.6189	0.2734	1.5355	1.9181	273.312	0.44	-1.573	Organophosphate
tepp	107-49-3	CCOP(=O)(OCC)OP(=O)(OCC)OCC	0.487	1.0563	0	2.2055	2.0559	290.1877	0.45	-1.701	Organophosphate
demeton-o-methyl	867-27-6	CCSCCOP(=O)(OC)OC	0.6085	0.8483	0	1.3535	1.5569	214.2207	0.47	-1.162	Organophosphate
naftalofos	1491-41-4	c12c3cccc1cccc2C(=O)N(OP(=O)(OCC)OCC)C3=O	2.2354	2.5675	0	2.0787	2.3928	349.2751	0.48	-3.267	Organophosphate
demephion-s	2587-90-8	COP(=O)(OC)SCCSC	0.9146	0.8411	0	1.2646	1.5208	216.2607	0.52	-1.222	Organophosphate
fosmethilan	83733-82-8	S=P(SCN(c1c(cccc1)Cl)C(=O)CCC)(OC)OC	1.9357	1.9198	0	1.4484	2.5896	367.8534	0.56	-2.36	Organophosphate
fosthietan	21548-32-3	O=P(OCC)(OCC)N=C(SC1)S1	1.2956	0.806	0	1.3964	1.6099	241.2702	0.68	-1.538	Organophosphate
dimethoate	60-51-5	O=C(NC)CSP(OC)(OC)=S	1.2193	1.4417	0.2553	1.3224	1.5776	229.2595	0.72	-1.539	Organophosphate
mevinphos	7786-34-7	COC(=O)C=C(C)OP(=O)(OC)OC	0.4616	1.1384	0	1.6367	1.5657	224.1483	0.76	-0.947	Organophosphate
phosphamidon (e isomer)	297-99-4	CCN(CC)C(=O)C(Cl)=C(C)OP(=O)(OC)OC	0.8212	1.7171	0	1.9424	2.1519	299.6881	0.79	-2.06	Organophosphate
cyanthoate	3734-95-0	O=P(OCC)(OCC)SCC(=O)NC(C)(C)C(#N)	1.0398	2.0618	0.2553	1.9164	2.1911	294.3087	0.79	-2.289	Organophosphate
demeton-methyl	8022-00-2	CCSCCSP(=O)(OC)OC	0.9129	0.8455	0	1.2677	1.6617	230.2873	1.02	-1.752	Organophosphate
demeton-s-methyl	919-86-8	O=P(OC)(OC)SCCSCC	0.9129	0.8455	0	1.2677	1.6617	230.2873	1.02	-1.752	Organophosphate
mephosfolan	950-10-7	O=P(OCC)(OCC)N=C(SCC1C)S1	1.3018	0.7989	0	1.4302	1.8917	269.3233	1.04	-2.053	Organophosphate
acetophos	2425-25-4	CCOC(=O)CSP(=O)(OCC)OCC	0.6295	1.0981	0	1.4748	1.8544	256.2573	1.06	-1.971	Organophosphate
phosfolan	947-02-4	O=P(OCC)(OCC)N=C(SCC1)S1	1.2938	0.8104	0	1.3995	1.7508	255.2968	1.17	-2.059	Organophosphate
diisopropyl fluorophosphate	55-91-4	O=P(F)(OC(C)C)OC(C)C	0.1444	0.5076	0	1.0359	1.3523	184.1457	1.2	-1.544	Organophosphate
menazon	78-57-9	COP(=S)(OC)SCc1nc(N)nc(N)n1	2.2293	1.8803	0.4533	1.7192	1.8644	281.2977	1.2	-2.277	Organophosphate
ethoate-methyl	116-01-8	S=P(OC)(OC)SCC(=O)NCC	1.2175	1.4461	0.2553	1.3255	1.7185	243.2861	1.21	-2.008	Organophosphate
mecarphon	29173-31-7	COC(=O)N(C)C(=O)CSP(=S)(C)OC	1.2556	1.3119	0	1.2608	1.8751	271.2962	1.27	-2.265	Organophosphate
cythioate	115-93-5	O=S(=O)(N)c(ccc(OP(OC)(OC)=S)c1)c1	1.7837	1.9101	0.4419	1.682	1.9231	297.2904	1.31	-2.486	Organophosphate
phosphamidon	13171-21-6	CCN(CC)C(=O)C(Cl)=C(C)OP(=O)(OC)OC	0.8212	1.7171	0	1.9424	2.1519	299.6881	1.38	-2.06	Organophosphate
dimethyl chlorothiophosphate	2524-03-0	O(P(OC)(=S)Cl)C	0.6915	0.5499	0	0.6295	0.9983	160.5603	1.39	-1.562	Organophosphate
dichlorvos	62-73-7	O=P(OC)(OC)OC=C(Cl)Cl	0.6453	1.0137	0	1.299	1.3134	220.9751	1.43	-2.034	Organophosphate

formothion	2540-82-1	COP(=S)(OC)SCC(=O)N(C)C=O	1.3707	1.6909	0	1.4833	1.7342	257.2696	1.48	-2.341	Organophosphate
sophamide	37032-15-8	COP(=S)(OC)SCOC(=O)N(C)OC	1.2227	1.4356	0	1.5604	1.8359	275.2849	1.57	-2.553	Organophosphate
methidathion	950-37-8	S=P(OC)(OC)SCN1C(=O)SC(OC)=N1	2.002	1.7198	0	1.8449	1.8889	302.3344	1.58	-3.284	Organophosphate
naled	300-76-5	COP(=O)(OC)OC(Br)C(Cl)(Cl)Br	1.2572	1.2737	0.0007	1.3423	1.7064	380.7831	1.6	-3.155	Organophosphate
amiton	78-53-5	CCOP(=O)(OCC)SCCN(CC)CC	0.7304	0.8893	0	1.6458	2.1616	269.3423	1.7	-1.611	Organophosphate
butonate	126-22-7	CCCC(=O)OC(C(Cl)(Cl)Cl)P(=O)(OC)OC	0.5972	1.1945	0	1.3608	2.0581	327.5256	1.71	-3.049	Organophosphate
oxydisulfoton	2497-07-6	CCOP(=S)(OCC)SCCS(=O)CC	1.4215	1.7809	0	1.4592	2.107	290.4064	1.73	-2.795	Organophosphate
isamidofos	66602-87-7	C(C)(NP(SCC(=O)N(c1ccccc1)C)(OCC)=O)C	1.2509	2.7776	0.1339	1.6899	2.5444	330.3839	1.82	-3.159	Organophosphate
thionazin	297-97-2	O(P(OCC)(Oc(nccn1)c1)=S)CC	1.2479	1.1655	0	1.3187	1.742	248.2403	1.86	-2.6	Organophosphate
disulfoton sulfone	2497-06-5	CCOP(=S)(OCC)SCCS(=O)(=O)CC	1.0033	1.4977	0	1.311	2.1657	306.4058	1.87	-3.032	Organophosphate
dmcp	3309-87-3	Clc1ccc(SP(=O)(OC)OC)cc1	1.3001	1.2526	0	1.2048	1.6648	252.6557	1.9	-2.668	Organophosphate
ethyl(2-mercaptoethyl)carbamates-esterwitho,o-dimethy	5840-95-9	CCOC(=O)NSP(=S)(OCC)OCC	1.1631	1.2784	0.2132	1.2994	1.9181	273.312	1.91	-2.827	Organophosphate
fospirate	5598-52-7	O=P(OC)(OC)Oc1nc(Cl)cc(Cl)c1Cl	1.2421	1.5161	0	1.4086	1.7637	306.4667	1.91	-3.067	Organophosphate
mesulfenfos	3761-41-9	COP(=S)(OC)Oc1ccc(S(C)=O)c(C)c1	1.7531	2.1384	0	1.6068	2.0464	294.3295	1.92	-2.982	Organophosphate
demeton-s	126-75-0	CCOP(=O)(OCC)SCCSCC	0.9093	0.8543	0	1.2739	1.9435	258.3404	1.99	-2.786	Organophosphate
lythidathion	2669-32-1	N1=C(OCC)SC(=O)N1CSP(=S)(OC)OC	2.0002	1.7241	0	1.848	2.0298	316.361	2.08	-3.279	Organophosphate
fensulfothion	115-90-2	CCOP(=S)(OCC)Oc1ccc(cc1)S(C)=O	1.7251	2.2047	0	1.6123	2.1873	308.356	2.23	-3.353	Organophosphate
2-isopropoxyphenol	4812-20-8	O(c(c(O)ccc1)c1)C(C)C	0.772	0.9577	0.2746	0.5051	1.2565	152.1904	2.25	-2.097	Organophosphate
o,o-diethyl o-naphthaloximido phosphorothioate	2668-92-0	c12c3cccc1cccc2C(=O)N(OP(=S)(OCC)OCC)C3=O	2.5734	2.4507	0	1.7064	2.4976	365.3417	2.25	-4.891	Organophosphate
malathion	121-75-5	CCOC(=O)CC(SP(=S)(OC)OC)C(=O)OCC	1.0377	1.3699	0	1.4638	2.3154	330.36	2.36	-3.624	Organophosphate
o,o-diethyl phosphorochloridothionate	2524-04-1	O(P(OCC)(=S)Cl)CC	0.688	0.5587	0	0.6357	1.2801	188.6135	2.37	-2.605	Organophosphate
fosthiazate	98886-44-3	O=P(OCC)(SC(C)CC)N1C(=O)SCC1	1.0793	2.4698	0	1.2744	2.0326	283.3499	2.47	-2.701	Organophosphate
phosmet	732-11-6	COP(=S)(OC)SCN2C(=O)c1ccccc1C2=O	2.1612	2.1197	0	1.5594	2.0925	317.3231	2.48	-3.888	Organophosphate
methacrifos	62610-77-9	S=P(OC)(OC)OC=C(C)C(=O)OC	0.7996	1.0217	0	1.2645	1.6705	240.2149	2.53	-3.111	Organophosphate

azinphos-methyl	86-50-0	S=P(OC)(OC)SCN1N=Nc2ccccc2C1(=O)	2.2791	1.6965	0	1.6437	2.0925	317.3265	2.53	-3.863	Organophosphate
athidathion	19691-80-6	S=P(OCC)(OCC)SCN1N=C(OC)SC1(=O)	1.9984	1.7285	0	1.8511	2.1707	330.3875	2.57	-3.801	Organophosphate
prothoate	2275-18-5	CCOP(=S)(OCC)SCC(=O)NC(C)C	1.2219	1.4434	0.2553	1.3624	2.1412	285.3658	2.61	-3.509	Organophosphate
ipsp	5827-05-4	CCS(=O)CSP(=S)(OC(C)C)OC(C)C	1.4392	1.7536	0	1.5175	2.2479	304.433	2.66	-3.692	Organophosphate
dioxabenzofos	3811-49-2	c1ccc2COP(=S)(OC)Oc2c1	1.4196	1.0525	0	0.9055	1.4338	216.195	2.67	-3.058	Organophosphate
isocarbophos	24353-61-5	CC(C)OC(=O)c1ccccc1OP(=S)(N)OC	1.4931	1.4183	0.2107	1.5099	2.0806	289.2888	2.7	-3.616	Organophosphate
coroxon	321-54-0	c12OC(=O)C(Cl)=C(C)c1ccc(OP(=O)(OCC)OCC)c2	1.3756	1.6423	0	1.6601	2.3282	346.6997	2.71	-4.04	Organophosphate
pyrazothion	108-35-0	C1=C(C)NN=C1OP(=S)(OCC)OCC	1.3412	1.2659	0.5259	1.2309	1.785	250.2561	2.8	-3.414	Organophosphate
acethion	919-54-0	CCOC(=O)CSP(=S)(OCC)OCC	0.9675	0.9814	0	1.1026	1.9592	272.3239	2.82	-3.595	Organophosphate
parathion-methyl	298-00-0	COP(=S)(OC)Oc1ccc(cc1)N(=O)=O	1.4519	1.5975	0	1.0285	1.7166	263.2085	2.86	-3.953	Organophosphate
etrimfos	38260-54-7	CCOc1cc(OP(=S)(OC)OC)nc(CC)n1	1.3234	1.2488	0	1.5003	2.0825	292.2928	2.94	-3.846	Organophosphate
o,o-diethyl s-(4,6-dimethyl-2-pyrimidinyl) phosphorodithioate	333-40-4	n1c(SP(=S)(OCC)OCC)nc(C)cc1C	1.6087	1.1052	0	1.2582	2.1286	292.36	3.05	-3.935	Organophosphate
demeton-o	298-03-3	CCOP(=S)(OCC)OCCSCC	0.9429	0.7403	0	0.9874	1.9435	258.3404	3.21	-3.83	Organophosphate
hexylthiofos	41495-67-4	C1(OP(=O)(SCC)OCC)CCCCC1	0.7828	0.7825	0	1.1575	1.9532	252.3117	3.29	-3.853	Organophosphate
crotoxyphos	7700-17-6	COP(=O)(OC)OC(C)=CC(=O)OC(C)c1ccccc1	1.0422	1.5919	0	1.7567	2.3144	314.2708	3.3	-4.31	Organophosphate
fenitrothion	122-14-5	COP(=S)(OC)Oc1ccc(N(=O)=O)c(C)c1	1.4763	1.5399	0	1.0291	1.8575	277.2351	3.3	-4.43	Organophosphate
iprobenfos	26087-47-8	CC(C)OP(=O)(OC(C)C)SCc1ccccc1	1.1593	1.1315	0	1.2887	2.2469	288.3438	3.34	-4.156	Organophosphate
lirimfos	38260-63-8	S=P(OC)(OC)Oc1nc(C(C)C)nc(OCC)c1	1.3313	1.2373	0	1.531	2.2234	306.3194	3.36	-4.304	Organophosphate
crufomate	299-86-5	CNP(=O)(OC)Oc1ccc(cc1Cl)C(C)(C)C	0.7469	1.9505	0.1339	1.1608	2.1647	291.7107	3.42	-4.248	Organophosphate
phosacetim	4104-14-7	Clc(ccc1OP(=S)(NC(=N)C)Oc(ccc2Cl)cc2)cc1	2.4454	1.6483	0.1339	1.3633	2.4929	375.2105	3.44	-4.872	Organophosphate
chlorothion	500-28-7	COP(=S)(OC)Oc1ccc(N(=O)=O)c(Cl)c1	1.5789	1.6639	0	0.9695	1.839	297.6533	3.45	-4.707	Organophosphate
dioxathion	78-34-2	CCOP(=S)(OCC)SC1OCCOC1SP(=S)(OCC)OCC	2.1136	1.3535	0	1.9705	3.1062	456.5428	3.45	-5.471	Organophosphate

o,o-diethyl-o-phenyl phosphorothioate	32345-29-2	CCOP(=S)(OCC)Oc1ccccc1	1.1788	1.0362	0	0.9377	1.8242	246.2641	3.46	-3.952	Organophosphate
ditalimfos	5131-24-8	CCOP(=S)(OCC)N2C(=O)c1ccccc1C2=O	1.8156	1.9724	0	1.4359	2.0699	299.2837	3.48	-4.355	Organophosphate
isothioate	36614-38-7	S=P(OC)(OC)SCCSC(C)C	1.2588	0.7173	0	0.9262	1.9074	260.3804	3.5	-4.091	Organophosphate
gardona (trans-isomer)	22350-76-1	COP(=O)(OC)OC(=CCl)c1cc(Cl)c(Cl)cc1Cl	1.502	1.5967	0	1.3037	2.166	365.9606	3.53	-4.883	Organophosphate
tetrachlorvinphos (mixed isomers)	961-11-5	COP(=O)(OC)OC(=CCl)c1cc(Cl)c(Cl)cc1Cl	1.502	1.5967	0	1.3037	2.166	365.9606	3.53	-4.883	Organophosphate
dicapthon	2463-84-5	COP(=S)(OC)Oc1ccc(cc1Cl)N(=O)=O	1.5788	1.68	0	1.0155	1.839	297.6533	3.58	-4.818	Organophosphate
phorate	298-02-2	CCOP(=S)(OCC)SCSCC	1.2491	0.7332	0	0.8986	1.9074	260.3804	3.62	-4.14	Organophosphate
propaphos	7292-16-2	c1cc(SC)ccc1OP(=O)(OCCC)OCCC	1.2094	1.2869	0	1.4332	2.3056	304.3432	3.67	-4.554	Organophosphate
phenthoate	2597-03-7	CCOC(=O)C(SP(=S)(OC)OC)c1ccccc1	1.5535	1.4218	0	1.2132	2.2852	320.3667	3.69	-4.687	Organophosphate
butathiofos	90338-20-8	P(OCC)(Oc1cnc(nc1)C(C)(C)C)(OCC)=S	1.2591	1.1121	0	1.387	2.3056	304.3466	3.77	-4.639	Organophosphate
pyrazophos	13457-18-6	CCOC(=O)C2=Cn1nc(OP(=S)(OCC)OCC)cc1N=C2C	1.9049	1.5904	0	1.7029	2.61	373.3656	3.8	-5.167	Organophosphate
isazofos	42509-80-8	CCOP(=S)(OCC)Oc1nn(C(C)C)c(Cl)n1	1.5431	1.4482	0	1.2724	2.1481	313.7422	3.82	-4.75	Organophosphate
parathion	56-38-2	CCOP(=S)(OCC)Oc1ccc(cc1)N(=O)=O	1.4484	1.6062	0	1.0347	1.9984	291.2617	3.83	-4.985	Organophosphate
diazinon	333-41-5	O(P(OCC)(Oc(nc(nc1C)C(C)C)c1)=S)CC	1.3105	1.1009	0	1.3778	2.3056	304.3466	3.86	-4.673	Organophosphate
cadusafos	95465-99-9	O=P(OCC)(SC(C)CC)SC(C)CC	0.8858	0.6769	0	1.123	2.1666	270.3942	3.9	-4.503	Organophosphate
merpofos	3568-56-7	S(C)c(ccc1OP(=S)(OCC)NC)c(c1)C	1.6877	1.116	0.1339	1.2805	2.1697	291.3719	3.9	-4.655	Organophosphate
fonofos	944-22-9	S=P(OCC)(Sc1ccccc1)CC	1.4438	0.8789	0	0.6396	1.8703	246.3313	3.94	-4.362	Organophosphate
sulfotep	3689-24-5	CCOP(=S)(OCC)OP(=S)(OCC)OCC	1.163	0.8229	0	1.461	2.2655	322.3209	3.98	-4.958	Organophosphate
pirimiphos-methyl	29232-93-7	CCN(CC)c1nc(C)cc(OP(=S)(OC)OC)n1	1.525	1.2832	0	1.5011	2.2645	305.3347	4	-5.014	Organophosphate
pyrimitate	5221-49-8	n1c(N(C)C)nc(OP(=S)(OCC)OCC)cc1C	1.525	1.2832	0	1.5011	2.2645	305.3347	4	-4.844	Organophosphate
o-ethyl o-(4-(methylthio)phenyl) methylphosphono-thioate	2703-13-1	S=P(Oc1ccc(cc1)SC)(OCC)C	1.5133	1.0026	0	0.8393	1.929	262.3307	4.04	-4.563	Organophosphate
disulfoton	298-04-4	CCOP(=S)(OCC)SCCSCC	1.2473	0.7375	0	0.9017	2.0483	274.407	4.07	-4.635	Organophosphate
fenthion	55-38-9	COP(=S)(OC)Oc1ccc(SC)c(C)c1	1.5789	1.0951	0	1.0492	1.9877	278.3301	4.08	-4.723	Organophosphate

isofenphos	25311-71-1	CCOP(=S)(NC(C)C)Oc1ccccc1C(=O)OC(C)C	1.3902	1.3765	0.1339	1.5617	2.6442	345.3952	4.12	-5.237	Organophosphate
chlorprazophos	36145-08-1	N12N=C(OP(=S)(OCC)OCC)C(Cl)=C1N=CC(C)=C2	1.984	1.3222	0	1.3322	2.2353	335.7477	4.12	-5.164	Organophosphate
chlorpyrifos-methyl	5598-13-0	COP(=S)(OC)Oc1nc(Cl)c(Cl)cc1Cl	1.5942	1.4374	0	1.0542	1.8685	322.5333	4.13	-5.233	Organophosphate
coumaphos	56-72-4	S=P(OCC)(OCC)Oc1ccc2C(C)=C(Cl)C(=O)Oc2c1	1.7135	1.5256	0	1.2879	2.433	362.7663	4.13	-5.372	Organophosphate
chlorfenvinphos	470-90-6	CCOP(=O)(OCC)OC(=CCl)c1ccc(Cl)cc1Cl	1.3676	1.4918	0	1.3331	2.3254	359.569	4.15	-5.075	Organophosphate
2,5-dichloro-alpha-(chloromethylene)benzyl diethyl phosphate	2701-86-2	Clc1cc(C(=CCl)OP(=O)(OCC)OCC)c(Cl)cc1	1.3919	1.5367	0	1.3789	2.3254	359.569	4.15	-5.362	Organophosphate
tebupirimfos	96182-53-5	c1nc(C(C)(C)C)ncc1OP(=S)(OCC)OC(C)C	1.2671	1.1006	0	1.4177	2.4465	318.3732	4.19	-5.098	Organophosphate
cyanofenphos	13067-93-1	CCOP(=S)(Oc1ccc(C#N)cc1)c2ccccc2	1.8882	1.8204	0	0.9532	2.2462	303.317	4.29	-5.341	Organophosphate
phosalone	2310-17-0	S=P(OCC)(OCC)SCN1C(=O)Oc2cc(Cl)ccc12	2.1057	1.786	0	1.3238	2.3988	367.8103	4.29	-5.622	Organophosphate
terbufos	13071-79-9	CCOP(=S)(OCC)SCSC(C)(C)C	1.2301	0.6753	0	0.9392	2.1892	288.4336	4.48	-5.13	Organophosphate
colep	2665-30-7	N(=O)(=O)c1ccc(OP(=S)(C)Oc2ccccc2)cc1	1.9869	1.9037	0	0.9023	2.1248	309.2785	4.53	-5.716	Organophosphate
sd 7438	2782-70-9	COP(=S)(OC)SCc1ccc(cc1)SP(=S)(OC)OC	2.4154	1.3617	0	1.5793	2.7189	404.4697	4.55	-6.03	Organophosphate
o-ethyl s-(4-methylphenyl)ethyl-phosphonodithioate	333-43-7	S=P(Sc(ccc1C)cc1)(OCC)CC	1.4682	0.8214	0	0.6403	2.0112	260.3578	4.57	-5.001	Organophosphate
quinothion	22439-40-3	c12nc(C)cc(OP(=S)(OCC)OCC)c1cccc2	1.9652	1.4326	0	1.2805	2.293	311.3374	4.61	-5.408	Organophosphate
butamifos	36335-67-8	S=P(OCC)(NC(C)CC)Oc1c(N(=O)(=O))ccc(C)c1	1.5895	1.5581	0.1339	1.2974	2.4622	332.3567	4.62	-5.959	Organophosphate
profenofos	41198-08-7	CCCSP(=O)(OCC)Oc1ccc(Br)cc1Cl	1.5842	1.4163	0	1.1454	2.2625	373.6315	4.68	-5.921	Organophosphate
dialifos	10311-84-9	c1ccc2C(=O)N(C(CCl)SP(=S)(OCC)OCC)C(=O)c2c1	2.2868	2.2589	0.0007	1.5958	2.6376	393.8476	4.69	-6.076	Organophosphate
epn	2104-64-5	CCOP(=S)(Oc1ccc(cc1)N(=O)=O)c2ccccc2	1.9851	1.908	0	0.9054	2.2657	323.3051	4.78	-6.03	Organophosphate
quinitofos	1776-83-6	O(P(Oc(c(nccc1)c1cc2)c2)(=S)c(cccc3)c3)CC	2.4776	1.7919	0	1.1505	2.4194	329.3542	4.8	-5.705	Organophosphate

o-(2-chloro-4-nitrophenyl) o-isopropyl ethylphosphono-thioate	328-04-1	Clc(cc(c1)N(=O)=O)c(c1)OP(=S)(OC(C)C)CC	1.5437	1.5228	0	0.8401	2.203	323.7336	4.81	-6.058	Organophosphate
carbophenothion-methyl	953-17-3	COP(=S)(OC)SCSc1ccc(Cl)cc1	1.9802	1.2919	0	0.9623	2.074	314.8148	4.82	-5.612	Organophosphate
pirimiphos ethyl	23505-41-1	CCOP(=S)(OCC)Oc1cc(C)nc(n1)N(CC)CC	1.5214	1.2919	0	1.5073	2.5463	333.3878	4.85	-5.773	Organophosphate
fenchlorphos	299-84-3	COP(=S)(OC)Oc1cc(Cl)c(Cl)cc1Cl	1.5506	1.3073	0	0.7702	1.9096	321.5452	4.88	-5.712	Organophosphate
chlorphoxim	14816-20-7	c1cccc(Cl)c1C(C(#N))=NOP(=S)(OCC)OCC	1.6771	1.5466	0	1.2652	2.299	332.7437	5.03	-5.926	Organophosphate
fenthion-ethyl	1716-09-2	S(C)c(ccc1OP(=S)(OCC)OCC)c(c1)C	1.5753	1.1039	0	1.0554	2.2695	306.3832	5.06	-5.757	Organophosphate
ethion	563-12-2	CCOP(=S)(OCC)SCSP(=S)(OCC)OCC	1.8095	0.9761	0	1.5049	2.6747	384.4801	5.07	-6.333	Organophosphate
chlorpyrifos	2921-88-2	CCOP(=S)(OCC)Oc1nc(Cl)c(Cl)cc1Cl	1.5907	1.4462	0	1.0604	2.1503	350.5864	5.11	-5.992	Organophosphate
bromophos	2104-96-3	COP(=S)(OC)Oc1cc(Cl)c(Br)cc1Cl	1.7336	1.3892	0	0.7705	1.9622	365.9965	5.11	-6.318	Organophosphate
methyl phenkapton	3735-23-7	Clc(ccc1Cl)c(SCSP(=S)(OC)OC)c1	2.0867	1.3607	0	0.8933	2.1964	349.2596	5.11	-6.108	Organophosphate
dichlofenthion	97-17-6	CCOP(=S)(OCC)Oc1ccc(Cl)cc1Cl	1.4366	1.2161	0	0.8556	2.069	315.1536	5.14	-5.888	Organophosphate
trichloronate	327-98-0	CCOP(=S)(CC)Oc1cc(Cl)c(Cl)cc1Cl	1.5076	1.1616	0	0.5641	2.1327	333.5989	5.23	-6.099	Organophosphate
carbophenothion	786-19-6	CCOP(=S)(OCC)SCSc1ccc(Cl)cc1	1.9766	1.3006	0	0.9685	2.3558	342.868	5.33	-6.252	Organophosphate
trichlormetaphos-3	2633-54-7	Clc1c(Cl)cc(Cl)c(OP(=S)(OCC)OC)c1	1.5488	1.3117	0	0.7733	2.0505	335.5718	5.36	-6.221	Organophosphate
coumithoate	572-48-5	S=P(Oc3cc2c(cc3)C1=C(C(=O)O2)CCCC1)(OCC)OCC	1.7981	1.4837	0	1.2741	2.6247	368.3854	5.4	-6.495	Organophosphate
sulprofos	35400-43-2	S=P(OCC)(SCCC)Oc1ccc(SC)cc1	1.8536	1.163	0	0.972	2.3743	322.4498	5.48	-6.231	Organophosphate
iodofenphos	18181-70-9	COP(=S)(OC)Oc1cc(Cl)c(I)cc1Cl	2.0397	1.4532	0	0.7916	2.0454	412.997	5.51	-6.916	Organophosphate
azothoate	5834-96-8	S=P(OC)(OC)Oc1ccc(N=Nc2ccc(Cl)cc2)cc1	2.1661	1.3349	0	1.2045	2.4292	356.7651	5.69	-7.096	Organophosphate
chlorthiophos i	21923-23-9	S=P(OCC)(OCC)Oc1c(Cl)cc(SC)c(Cl)c1	1.7679	1.3302	0	0.9066	2.3734	361.2462	5.8	-6.79	Organophosphate
chlorthiophos (mixture of isomers)	60238-56-4	S=P(OCC)(OCC)Oc1c(Cl)cc(SC)c(Cl)c1	1.7679	1.3302	0	0.9066	2.3734	361.2462	5.8	-6.79	Organophosphate
akton	1757-18-2	Clc(ccc1Cl)cc1C(OP(=S)(OCC)OCC)=CCl	1.7299	1.42	0	1.0067	2.4302	375.6356	5.91	-6.987	Organophosphate
s-(4-(1,1-dimethylethyl)-phenyl) o-ethyl ethylphosphonodi-thioate	329-21-5	CCOP(=S)(CC)Sc1ccc(C(C)(C)C)cc1	1.4473	0.7679	0	0.684	2.4339	302.4376	5.93	-6.471	Organophosphate

propyl thiopyrophosphate	3244-90-4	CCCOP(=S)(OCCC)OP(=S)(OCCC)OCCC	1.1559	0.8403	0	1.4734	2.8291	378.4272	5.94	-7.036	Organophosphate
epbp	3792-59-4	c1ccccc1P(=S)(OCC)Oc2ccc(Cl)cc2Cl	1.9734	1.5179	0	0.7263	2.3363	347.197	5.94	-6.808	Organophosphate
phenkapton	2275-14-1	CCOP(=S)(OCC)SCSc1cc(Cl)ccc1Cl	2.0831	1.3694	0	0.8995	2.4782	377.3128	6.09	-7.151	Organophosphate
bromophos-ethyl	4824-78-6	CCOP(=S)(OCC)Oc1cc(Cl)c(Br)cc1Cl	1.73	1.398	0	0.7767	2.244	394.0496	6.15	-7.325	Organophosphate
temephos	3383-96-8	O(P(OC)(Oc(ccc(Sc(ccc(OP(OC)(OC)=S)c1)c1)c2)c2)=S)C	2.7578	1.9722	0	1.9433	3.1397	466.4719	6.17	-7.69	Organophosphate
diphenprofos	59010-86-5	O=P(Oc2ccc(cc2)Sc1ccc(cc1)Cl)(SCC)OCC	2.2414	1.8516	0	1.4173	2.8588	402.8974	6.22	-7.453	Organophosphate
leptophos	21609-90-5	COP(=S)(Oc1cc(Cl)c(Br)cc1Cl)c2ccccc2	2.2686	1.6954	0	0.6442	2.3704	412.0665	6.31	-7.593	Organophosphate
azethion	72348-92-6	CCOP(=O)(OCC)SCC(=O)OC	0.6313	1.0938	0	1.4717	1.7135	242.2308			Organophosphate
monocrotophos	6923-22-4	CNC(=O)C=C(C)OP(=O)(OC)OC	0.708	1.6118	0.2553	1.8659	1.6068	223.1636		-0.658	Organophosphate
cis-methocrotophos	69632-93-5	C/C(=C/C(=O)NCOC)/OP(=O)(OC)OC	0.7457	1.7706	0.2553	2.0813	1.8064	253.1895			Organophosphate
ethoprophos	13194-48-4	CCCSP(=O)(OCC)SCCC	0.8699	0.6998	0	1.0615	1.8848	242.341		-4.034	Organophosphate
omethoate	1113-02-6	CNC(=O)CSP(=O)(OC)OC	0.8813	1.5584	0.2553	1.6946	1.4728	213.1929		-0.124	Organophosphate
demeton	8065-48-3	CCOP(=O)(OCC)SCCSCC.CCOP(=S)(OCC)OCCSCC	0.9093	0.8543	0	1.2739	1.9435	258.3404			Organophosphate
propetamphos	31218-83-4	CCNP(=S)(OC)OC(C)=CC(=O)OC(C)C	0.9146	1.0355	0.1339	1.5296	2.1343	281.3099		-4.514	Organophosphate
prothion	5969-94-8	CCOC(=O)CCSP(=S)(OCC)OCC	0.9657	0.9858	0	1.1057	2.1001	286.3505			Organophosphate
fenamiphos	22224-92-6	CCOP(=O)(NC(C)C)OC1=CC=C(SC)C(C)=C1	1.0173	2.0441	0.1339	1.2839	2.3467	303.3585		-4.171	Organophosphate
chlormephos	24934-91-6	CCOP(=S)(OCC)SCCl	1.03	0.7147	0.0007	0.7653	1.5845	234.706		-3.511	Organophosphate
imicyafos	140163-89-9	CCCSP(=O)(N1CCN(C1=NC#N)CC)OCC	1.0847	2.2444	0	1.8269	2.3056	304.35			Organophosphate
heptenophos	23560-59-0	C1=CC2C(Cl)=C(OP(=O)(OC)OC)C2C1	1.0916	1.0777	0	1.4023	1.6353	250.6156		-3.01	Organophosphate
heterophos	40626-35-5	CCCSP(=O)(OCC)Oc1ccccc1	1.1435	1.1545	0	1.2273	1.9651	260.2906			Organophosphate
chlorethoxyfos	54593-83-8	CCOP(=S)(OCC)OC(Cl)C(Cl)(Cl)Cl	1.2257	1.002	0.0007	0.9758	1.9878	336.0003		-5.57	Organophosphate
vamidothion	2275-23-2	CNC(=O)C(C)SCCSP(=O)(OC)OC	1.2295	1.7074	0.2553	1.8581	2.059	287.3386		-1.345	Organophosphate
thiometon	640-15-3	CCSCCSP(=S)(OC)OC	1.2509	0.7288	0	0.8955	1.7665	246.3539		-3.687	Organophosphate

mecarbam	2595-54-2	CCOC(=O)N(C)C(=O)CSP(=S)(OCC)OCC	1.2898	1.4795	0	1.4825	2.3565	329.3753		-3.933	Organophosphate
cyanophos	2636-26-2	COP(=S)(OC)Oc1ccc(C#N)cc1	1.355	1.5099	0	1.0763	1.6971	243.2204		-3.554	Organophosphate
dimethylvinphos	2274-67-1	COP(=O)(OC)OC(=CCl)c1ccc(Cl)cc1Cl	1.3712	1.4831	0	1.3269	2.0436	331.5159		-4.29	Organophosphate
etaphos	38527-91-2	CCCSP(=O)(OCC)Oc1ccc(cc1Cl)Cl	1.4013	1.3345	0	1.1452	2.2099	329.1802			Organophosphate
phosphocarb	126069-54-3	CCCSP(=O)(OCC)Oc1ccccc1OC(=O)NC	1.4034	1.8006	0.2132	1.7484	2.4211	333.3414			Organophosphate
tetrachlorvinphos	22248-79-9	COP(=O)(OC)OC(=CCl)c1cc(Cl)c(Cl)cc1Cl	1.502	1.5967	0	1.3037	2.166	365.9606		-4.883	Organophosphate
trifenofos	38524-82-2	CCCSP(=O)(OCC)Oc1c(cc(cc1Cl)Cl)Cl	1.5282	1.4089	0	1.1092	2.3323	363.6249			Organophosphate
phoxim	14816-18-3	CCOP(=S)(OCC)ON=C(C(#N))c1ccccc1	1.5297	1.4666	0	1.2682	2.1766	298.2989		-5.125	Organophosphate
phoxim-methyl	14816-16-1	COP(=S)(OC)O/N=C(/C#N)\c1ccccc1	1.5332	1.4578	0	1.262	1.8948	270.2458			Organophosphate
isazophos-methyl	42509-83-1	CC(C)n1c(nc(n1)OP(=S)(OC)OC)Cl	1.5467	1.4394	0	1.2662	1.8663	285.689			Organophosphate
bromfenvinphos	33399-00-7	CCOP(=O)(OCC)OC(=CBr)c1ccc(cc1Cl)Cl	1.5506	1.5737	0	1.3333	2.378	404.0203			Organophosphate
phosnichlor	5826-76-6	COP(=S)(OC)Oc1ccc(c(c1)[N+](=O)[O-])Cl	1.6032	1.7087	0	1.0153	1.839	297.6533			Organophosphate
primidophos	39247-96-6	CCN(c1nc(cc(n1)OP(=S)(OCC)OCC)C)C(=O)C	1.6378	1.8085	0	1.766	2.562	347.3714			Organophosphate
flupyrazofos	122431-24-7	CCOP(=S)(OCC)Oc1cn(nc1C(F)(F)F)c2ccccc2	1.6805	1.5078	0	1.1838	2.4456	380.3235			Organophosphate
famphur	52-85-7	O=S(=O)(N(C)C)c(ccc(OP(OC)(OC)=S)c1)c1	1.693	1.8824	0	1.7517	2.2049	325.3435		-3.477	Organophosphate
colophonate	50398-69-1	COP(=S)(OC)SCc1ncc(s1)Cl	1.6934	1.2988	0	1.024	1.7941	289.7657			Organophosphate
prothiofos	34643-46-4	c1(OP(SCCC)(OCC)=S)c(cc(Cl)cc1)Cl	1.7393	1.2177	0	0.7729	2.3147	345.2468		-6.56	Organophosphate
chlorthiophos iii	77503-28-7	CCOP(=S)(OCC)Oc1cc(c(cc1Cl)Cl)SC	1.7679	1.3302	0	0.9066	2.3734	361.2462			Organophosphate
chlorthiophos ii	77503-29-8	CCOP(=S)(OCC)Oc1cc(c(cc1SC)Cl)Cl	1.7679	1.3302	0	0.9066	2.3734	361.2462			Organophosphate
azamethiphos	35575-96-3	Clc1cnc2N(CSP(=O)(OC)OC)C(=O)Oc2c1	1.8361	1.9566	0	1.8753	1.9711	324.6786		-2.464	Organophosphate
thicrofos	41219-32-3	CCOP(=O)(OCC)SC1CCSc2c1cc(cc2)Cl	1.882	1.4353	0	1.3485	2.4242	352.8387			Organophosphate
quinalphos	13593-03-8	CCOP(=S)(OCC)Oc2cnc1ccccc1n2	1.9663	1.4894	0	1.3769	2.111	298.2989		-5.167	Organophosphate
quinalphos-methyl	13593-08-3	COP(=S)(OC)Oc1cnc2ccccc2n1	1.9698	1.4806	0	1.3707	1.8292	270.2458			Organophosphate

isoxathion	18854-01-8	S=P(OCC)(OCC)Oc2noc(c1ccccc1)c2	1.9828	1.5842	0	1.2077	2.2108	313.3102		-4.67	Organophosphate
prothidathion	20276-83-9	CCOP(=S)(OCC)SCn1c(=O)sc(n1)OC(C)C	2.0046	1.7214	0	1.8849	2.4525	358.4407			Organophosphate
pyridaphenthion	119-12-0	S=P(OCC)(OCC)OC1=NN(c2ccccc2)C(=O)C=C1	2.0413	1.9037	0	1.7423	2.4085	340.3356		-4.414	Organophosphate
triazophos	24017-47-8	CCOP(=S)(OCC)Oc1ncn(n1)c2ccccc2	2.1001	1.8833	0	1.3885	2.2108	313.3136		-4.337	Organophosphate
pyraclofos	89784-60-1	c1cc(Cl)ccc1n2ncc(OP(=O)(OCC)SCCC)c2	2.1305	1.9345	0	1.5849	2.5152	360.7969			Organophosphate
dithicrofos	41219-31-2	CCOP(=S)(OCC)SC1CCSc2c1cc(cc2)Cl	2.22	1.3186	0	0.9762	2.529	368.9053			Organophosphate
azinphos-ethyl	2642-71-9	S=P(OCC)(OCC)SCN1N=Nc2ccccc2C1(=O)	2.2756	1.7052	0	1.6499	2.3743	345.3796		-4.622	Organophosphate
benoxafos	16759-59-4	CCOP(=S)(OCC)SCc1nc2cc(cc(c2o1)Cl)Cl	2.3729	1.651	0	1.1244	2.4625	386.2557			Organophosphate
2,5-dichloro-alpha-(dichloromethylene)benzyl diethyl phosphate	5723-62-6										Organophosphate
propoxon	5823-13-2										Organophosphate
zolaprofos	63771-69-7										Organophosphate
demephion	8065-62-1										Organophosphate
s-(1,1-dimethylethyl) o-ethyl ethylphosphono-thioate	83318-76-7										Organophosphate
sodium sulfate	7757-82-6	O(Na)S(O(Na))(=O)=O							-4.38	0.848	Other osmoregulatory
ammonia	7664-41-7	N(H)(H)H						17.03	-1.38	1.769	Other osmoregulatory
sodium fluoride	7681-49-4	F[Na]						41.99	-0.77	1.151	Other osmoregulatory
potassium chloride	7447-40-7	[K]Cl							-0.46	0.647	Other osmoregulatory
sodium chloride	7647-14-5	[Na]Cl						58.44	-0.46	0.764	Other osmoregulatory
chlorine	7782-50-5	ClCl						70.91	0.85	-0.446	Other osmoregulatory
calcium cyanide	592-01-8	[Ca](C#N)C#N						92.12	-2.41	1.036	Oxidative phosphorylation inhibition
sodium cyanide	143-33-9	[Na]C#N	0.2965	0.761	0.0852	0.1868	0.2633	49.01	-1.69	1.31	Oxidative phosphorylation inhibition

hydrogen cyanide	74-90-8	N#C	0.2965	0.761	0.0852	0.1868	0.2633	27.0254	-0.25	0.548	Oxidative phosphorylation inhibition
sodium azide	26628-22-8	N(Na)=N#N							0.16	-0.249	Oxidative phosphorylation inhibition
pyrinuron	53558-25-1	O=C(NCc(cccn1)c1)Nc(ccc(N(=O)=O)c2)c2	1.8821	2.6369	0.5713	1.2653	1.9544	272.2595	2.09	-1.668	Oxidative phosphorylation inhibition
hydramethylnon	67485-29-4	N1CC(C)(C)CNC1=NN=C(C=Cc2ccc(C(F)(F)F)cc2)C=Cc3ccc(C(F)(F)F)cc3	1.6104	0.993	0.3987	1.3304	3.3801	494.4754	2.31	-4.777	Oxidative phosphorylation inhibition
triphenyltin hydroxide	76-87-9	O[Sn](c1ccccc1)(c2ccccc2)c3ccccc3	1.7182	1.7456	0.3126	0.5909	1.9681	367.029	3.53	-4.891	Oxidative phosphorylation inhibition
bis(tributyltin) oxide	56-35-9	CCCC[Sn](CCCC)(CCCC)O[Sn](CCCC)(CCCC)CCCC	-0.4155	0.2504	0	0.3575	3.5037	596.105	3.84	-6.823	Oxidative phosphorylation inhibition
tributyltin	688-73-3	[Sn](CCCC)(CCCC)CCCC	-0.117	0.174	0	0.0726	1.7768	291.0607	4.1	-4.824	Oxidative phosphorylation inhibition
antimycin a	1397-94-0	O1C(=O)C(NC(=O)Cc2c(O)c(NC=O)ccc2)C(C)OC(=O)C(CCCCCC)C(OC(=O)CC(C)C)C1	1.8381	3.7073	0.9701	2.4742	4.2205	548.6253	4.21	-6.79	Oxidative phosphorylation inhibition
tributyltin fluoride	1983-10-4	[Sn](F)(CCCC)(CCCC)CCCC	-0.3227	0.1275	0	0.0505	1.7944	309.0512	4.39	-5.201	Oxidative phosphorylation inhibition
tebufenpyrad	119168-77-3	Clc1c(CC)nn(C)c1C(=O)NCc2ccc(C(C)(C)C)cc2	1.7852	2.0942	0.2553	1.0797	2.6501	333.8555	4.61	-5.571	Oxidative phosphorylation inhibition
tributyltin chloride	1461-22-9	Cl[Sn](CCCC)(CCCC)CCCC	-0.1013	0.2724	0	0.0839	1.8992	325.5055	4.76	-3.453	Oxidative phosphorylation inhibition
fenazaquin	120928-09-8	n1cnc2ccccc2c1OCCc3ccc(C(C)(C)C)cc3	1.9899	1.658	0	0.9281	2.5151	306.4016	5.51	-6.14	Oxidative phosphorylation inhibition
pyridaben	96489-71-3	c1cc(C(C)(C)C)ccc1CSC2=C(Cl)C(=O)N(C(C)(C)C)N=C2	1.8661	1.6636	0	1.162	2.8547	364.9334	6.37	-7.301	Oxidative phosphorylation inhibition
cyhexatin	13121-70-5	O[Sn](C1CCCCC1)(C2CCCCC2)C3CCCCC3	0.6307	0.6427	0.3126	0.3911	2.3551	385.172	6.63	-7.67	Oxidative phosphorylation inhibition
tributyltin neodecanoate	28801-69-6	CCCC[Sn](CCCC)(CCCC)OC(=O)CCC(CC)(CC)CC	-0.1917	0.5031	0	0.4773	3.2602	461.3094	7.06	-8.588	Oxidative phosphorylation inhibition

acequinocyl	57960-19-7	O=C1C(=C(C(=O)C2C1C=CC=C2)CCCCCCCCCCC)OC(=O)C	1.3228	1.974	0	1.2629	3.2498	386.5244	7.44	-8.373	Oxidative phosphorylation inhibition
tolfenpyrad	129558-76-5	CCC1=NN(C(=C1Cl)C(=O)NCC2=CC=C(C=C2)OC3=CC=C(C=C3)C)C	2.4443	2.7052	0.2553	1.3351	2.8939	383.8711			Oxidative phosphorylation inhibition
magnesium phosphide	12057-74-8	[Mg+2].[Mg+2].[Mg+2].[P-3].[P-3]									Oxidative phosphorylation inhibition
trimethylamine hydrochloride	593-81-7	CN(C)C.Cl	0.1731	0.3561	0	0.5252	0.6311	95.57	-2.73	1.02	Polar
ethylene diamine	107-15-3	NCCN	0.3829	0.8277	0.4395	1.1109	0.59	60.0984	-2.04	1.221	Polar
thiourea	62-56-6	NC(=S)N	1.0696	0.9735	0.4215	0.8158	0.5696	76.1219	-1.08	0.862	Polar
5-bromovanillin	2973-76-4	O=Cc(cc(OC)c(O)c1Br)c1	1.2473	1.4587	0.2708	0.6119	1.3063	231.0434	0	-2.547	Polar
asulam	3337-71-1	COC(=O)NS(=O)(=O)c1ccc(N)cc1	1.459	2.455	0.671	1.2857	1.5531	230.2421	0.05	-1.96	Polar
1,3,5-trihydroxybenzene	108-73-6	Oc(cc(O)cc1O)c1	1.2085	1.3033	1.4971	0.8521	0.8925	126.11	0.16	0.321	Polar
4-hydroxybenzamide	619-57-8	NC(=O)c1ccc(O)cc1	1.2244	1.7575	1.1502	0.9344	1.0315	137.136	0.33	0.096	Polar
24diaminotoluene	95-80-7	Nc(c(ccc1N)C)c1	1.1656	1.399	0.4533	0.6902	1.0569	122.17	0.34	-0.213	Polar
3-hydroxy-4-methoxybenzyl-alcohol	4683-06-6	COc1ccc(CO)cc1O	1.013	1.111	0.5873	0.8853	1.1743	154.1632	0.42		Polar
4-hydroxy-3-methoxybenzyl-alcohol	498-00-0	COc1cc(CO)ccc1O	1.013	1.111	0.5873	0.8853	1.1743	154.1632	0.42	-0.175	Polar
2-cyanopyridine	100-70-9	N#CC1=CC=CC=N1	0.77	1.3	0	0.54	0.83	104.11	0.45	-0.611	Polar
4-acetamidophenol	103-90-2	CC(=O)Nc1ccc(cc1)O	1.123	1.6644	0.9077	0.9308	1.1724	151.1626	0.46	-0.697	Polar
1-(4-pyridinyl)ethanone	1122-54-9	O=C(c(ccnc1)c1)C	0.8349	1.2608	0	0.7068	0.9728	121.1366	0.49	-0.496	Polar
3-hydroxybenzyl-alcohol	620-24-6	OCc1cccc(O)c1	1.0311	1.0488	0.8117	0.8029	0.9747	124.1372	0.49	0.564	Polar
salicylhydrazide	936-02-7	c1cccc(O)c1C(=O)NN	1.3079	1.7437	0.5989	1.0535	1.1313	152.1507	0.6	-0.244	Polar
pyridine	110-86-1	C1=CC=NC=C1	0.6	0.82	0	0.4	0.6753	79.1	0.65	0.965	Polar
3-aminoacetophenone	1995-11-4	CC(=O)C1=CC(=CC=C1)N	1.09	1.52	0.23	0.74	1.1137		0.691		Polar
2-hydroxybenzyl-alcohol	90-01-7	OCc(c(O)ccc1)c1	1.0311	1.0488	0.8117	0.8029	0.9747	124.1372	0.73	0.359	Polar
3-acetamidophenol	621-42-1	O=C(Nc(cccc1O)c1)C	1.0987	1.6195	0.9077	0.885	1.1724	151.1626	0.73	-0.928	Polar
4-hydroxyphenylacetic-acid	156-38-7	c1cc(ccc1CC(=O)O)O	0.9751	1.2901	1.0706	0.7201	1.1313	152.1473	0.75	0.023	Polar

cyclohexanone	108-94-1	O=C(CCCC1)C1	0.42	0.77	0	0.32	0.8611	98.14	0.827	-0.61	Polar
3′-aminoacetophenone	99-03-6	CC(=O)c1cccc(c1)N	1.0939	1.5198	0.2266	0.738	1.1137	135.1632	0.86	-0.897	Polar
aniline	62-53-3	Nc(cccc1)c1	0.859	1.0811	0.2266	0.4304	0.8162	93.13	0.9	-0.651	Polar
salicylhydroxamic-acid	89-73-6	ONC(=O)c1c(O)cccc1	1.2537	1.8018	0.7008	0.9008	1.0902	153.1354	0.91	-0.517	Polar
isovanillin	621-59-0	O=Cc(ccc(OC)c1O)c1	1.0237	1.456	0.3351	0.7597	1.1313	152.1473	0.97	-1.14	Polar
4-hydroxy-3-methoxyacetophenone	498-02-2	O=C(c(ccc(O)c1OC)c1)C	1.0007	1.4035	0.4391	0.7788	1.2722	166.1739	1.02	-1.283	Polar
4-hydroxybenzylcyanide	14191-95-8	Oc(ccc1CC#N)cc1	0.9893	1.3975	0.4998	0.5645	1.0707	133.1473	1.08	-0.782	Polar
benzylamine	100-46-9	c1ccc(cc1)CN	0.7799	0.9544	0.2107	0.6592	0.9571	107.1531	1.09	0.093	Polar
4-hydroxyphenethyl-alcohol	501-94-0	OCCc(ccc(O)c1)c1	1.0079	1.1219	0.8117	0.6687	1.1156	138.1638	1.09	-0.048	Polar
2,6-dimethoxyphenol	91-10-1	O(c(c(O)c(OC)cc1)c1)C	0.7684	1.0306	0.1624	0.5629	1.1743	154.1632	1.15	-1.308	Polar
4-methylphenol, 2-amino	95-84-1	Oc(c(N)cc(c1)C)c1	1.0775	1.1485	0.5148	0.5463	1.0158	123.1525	1.16	-1.091	Polar
vanillin	121-33-5	O=Cc(ccc(O)c1OC)c1	1.0237	1.456	0.4391	0.7597	1.1313	152.1473	1.21	-1.345	Polar
3-hydroxybenzaldehyde	100-83-4	O=Cc(cccc1O)c1	1.0417	1.3938	0.5596	0.6774	0.9317	122.1213	1.29	-0.615	Polar
2-methoxyphenol	90-05-1	O(c(c(O)ccc1)c1)C	0.7659	0.9647	0.2746	0.4713	0.9747	124.1372	1.32	-1.235	Polar
2-methylaniline	95-53-4	CC1=CC=CC=C1N	0.88	1.02	0.23	0.43	0.9571	107.16	1.32	-1.111	Polar
2,4-dihydroxybenzaldehyde	95-01-2							138.12	1.33	-0.933	Polar
4-methoxyphenol	150-76-5	O(c(ccc(O)c1)c1)C	0.8517	1.0306	0.499	0.5917	0.9747	124.14	1.34	-0.877	Polar
4-hydroxyacetophenone	99-93-4	O=C(c(ccc(O)c1)c1)C	1.0188	1.3413	0.6636	0.6965	1.0726	136.1479	1.35	-0.768	Polar
4-hydroxybenzaldehyde	123-08-0	O=Cc(ccc(O)c1)c1	1.0417	1.3938	0.6636	0.6774	0.9317	122.1213	1.35	-0.666	Polar
2-vanillin	148-53-8	O=Cc(c(O)c(OC)cc1)c1	0.9571	1.2712	0	0.4384	1.1313	152.1473	1.37	-1.482	Polar
methyl 4-cyanobenzoate	1129-35-7	COC(=O)C1=CC=C(C=C1)C#N	0.82	1.52	0	0.59	1.2273		1.38	-1.817	Polar
2-chloro-3-pyridinol	6636-78-8							129.55	1.38	-0.974	Polar
p-toluidine	106-49-0	Nc(ccc(c1)C)c1	0.8834	1.0235	0.2266	0.4311	0.9571	107.16	1.39	-1.171	Polar
3-hydroxyacetophenone	121-71-1	O=C(c(cccc1O)c1)C	1.0188	1.3413	0.5596	0.6965	1.0726	136.1479	1.39	-0.802	Polar
salicylaldoxime	94-67-7	N(O)=Cc(c(O)ccc1)c1	1.2025	1.0479	0.8117	0.802	1.0315	137.136	1.39	-0.806	Polar

3-methylaniline	108-44-1	CC1=CC=CC(=C1)N	0.88	1.02	0.23	0.43	0.9571	107.16	1.4	-1.18	Polar
2-amino-5-bromopyridine	1072-97-5	Nc1ccc(Br)cn1	1.2581	1.3369	0.2834	0.6029	0.9501	173.0107	1.42	-1.676	Polar
4-hydroxy-3-methoxybenzonitrile	4221-08-3	Oc(ccc1C#N)c(c1)OC	0.9385	1.4472	0.4458	0.616	1.1294	149.1467	1.44		Polar
phenol	108-95-2	Oc(cccc1)c1	0.784	0.9026	0.499	0.3889	0.7751	94.11	1.46	-0.556	Polar
2-bromo-3-pyridinol	6602-32-0	c1cc(c(nc1)Br)O	1.0716	1.049	0.3307	0.581	0.909	173.9954	1.46	-1.508	Polar
3-hydroxybenzoic-acid	99-06-9	O=C(O)c(cccc1O)c1	0.9768	1.2857	1.0623	0.717	0.9904	138.1207	1.5	-0.911	Polar
3-methoxyphenol	150-19-6	O(c(cccc1O)c1)C	0.8274	0.9858	0.499	0.5459	0.9747	124.14	1.58	-0.672	Polar
4-hydroxybenzoic-acid	99-96-7	O=C(O)c(ccc(O)c1)c1	0.9768	1.2857	1.0018	0.717	0.9904	138.1207	1.58	-0.979	Polar
5-methylresorcinol	504-15-4	Oc(cc(O)cc1C)c1	1.0155	1.042	0.9981	0.6072	0.9747	124.1372	1.58	-0.877	Polar
3-ethoxy-4-hydroxybenzaldehyde	121-32-4	O=Cc(ccc(O)c1OCC)c1	1.0219	1.4603	0.4391	0.7628	1.2722	166.1739	1.58	-1.763	Polar
4-cyanophenol	767-00-0	C(#N)c(ccc(O)c1)c1	0.9566	1.385	0.6702	0.5336	0.9298	119.1207	1.6	-1.123	Polar
2-cyanophenol	611-20-1	N#Cc(c(O)ccc1)c1	0.9566	1.385	0.499	0.5336	0.9298	119.1207	1.61	-1.131	Polar
2-hydroxyethylsalicylate	87-28-5	O=C(OCCO)c(c(O)ccc1)c1	1.0418	1.2765	0.3604	0.7727	1.3309	182.1733	1.63	-0.832	Polar
3,5-dimethoxyphenol	500-99-2	COc1cc(O)cc(OC)c1	0.881	1.0758	0.499	0.7309	1.1743	154.1632	1.64	-1.147	Polar
2-ethoxyphenol	94-71-3	O(c(c(O)ccc1)c1)CC	0.7641	0.9691	0.2746	0.4744	1.1156	138.1638	1.68	-1.645	Polar
2,6diisopropylaniline	74-95-3		0.92	0.95	0.08	0.5	1.6616	173.84	1.7	-1.921	Polar
3-cyanophenol	873-62-1	Oc1cccc(C#N)c1	0.9566	1.385	0.6899	0.5336	0.9298	119.1207	1.7	-1.208	Polar
2-fluorophenol	367-12-4	Fc(c(O)ccc1)c1	0.6807	0.8739	0.499	0.382	0.7927	112.1017	1.71	-0.9	Polar
6-chloropyridin-2-ol	16879-02-0	Oc1cccc(Cl)n1	0.9546	1.099	0.6899	0.6139	0.8564	129.5441	1.72	-0.941	Polar
5-bromo-2-hydroxybenzyl-alcohol	2316-64-5	c1c(O)c(CO)cc(Br)c1	1.3653	1.2419	0.9829	0.79	1.1497	203.0333	1.72	-1.061	Polar
2-nitroanisole	91-23-6	COC1=CC=CC=C1[N+]([O-])=O	0.89	1.36	0	0.43	1.0902	153.14	1.73	-2.186	Polar
4-hydroxy-2-methylacetophenone	875-59-2	Oc1cc(C)c(C(=O)C)cc1	1.0431	1.2837	0.6636	0.6971	1.2135	150.1745	1.74	-1.204	Polar
4-fluorophenol	371-41-5	Fc(ccc(O)c1)c1	0.7051	0.9026	0.6702	0.3818	0.7927	112.1017	1.77	-0.952	Polar
1,1-dichloroethane	75-34-3	CC(Cl)Cl	0.22	0.37	0.09	0.02	0.6352	98.96	1.79	-1.453	Polar
4-chlororesorcinol	95-88-5	Oc(c(ccc1O)Cl)c1	1.0561	1.0652	1.0009	0.5043	0.9562	144.5554	1.8	-1.214	Polar
4-ethoxyphenol	622-62-8	O(c(ccc(O)c1)c1)CC	0.8499	1.035	0.499	0.5948	1.1156	138.1638	1.81	-1.176	Polar

n-ethylbenzylamine	14321-27-8	CCNCc1ccccc1	0.7273	0.8141	0.1339	0.5627	1.2389	135.2063	1.82	-0.735	Polar
4-chlorophenol	106-48-9	Oc(ccc(c1)Cl)c1	0.9353	1.0138	0.6702	0.3758	0.8975	127.57	1.83	-1.601	Polar
2,6-dimethylaniline	87-62-7	CC1=CC=CC(=C1N)C	0.91	0.97	0.08	0.43	1.098	121.18	1.84	-1.658	Polar
2-nitroaniline	88-74-4	NC1=CC=CC=C1[N+]([O-])=O	1.16	1.44	0.18	0.48	0.9904	138.13	1.85	-1.789	Polar
4,6-dimethyl-2-hydroxybenzaldehyde	708-76-9							182.18	1.86	-1.802	Polar
3-chloroaniline	108-42-9	NC1=CC(=CC=C1)Cl	0.99	1.15	0.3	0.37	0.9386	127.57	1.88	-1.738	Polar
methyl-3-hydroxybenzoate	19438-10-9	COC(=O)c1cc(O)ccc1	0.8706	1.2449	0.5596	0.7201	1.1313	152.1473	1.89	-1.346	Polar
2-hydroxyacetophenone	118-93-4	O=C(c(c(O)ccc1)c1)C	0.9523	1.1566	0.1328	0.3751	1.0726	136.1479	1.92	-1.255	Polar
2-ethylaniline	3211-76-5	CCC1=CC=CC=C1N	0.88	1.03	0.23	0.43	1.098		1.928		Polar
3-fluorophenol	372-20-3	Oc1cccc(F)c1	0.6808	0.8578	0.6899	0.336	0.7927	112.1017	1.93	-1.088	Polar
p-cresol	106-44-5	Oc(ccc(c1)C)c1	0.8083	0.845	0.499	0.3896	0.916	108.14	1.94	-1.068	Polar
monuron	150-68-5	CN(C)C(=O)NC1=CC=C(Cl)C=C1	1.16	1.59	0.37	0.84	1.4768	198.65	1.94	-2.307	Polar
methyl-2,4-dihydroxybenzoate	2150-47-2							168.15	1.94	-1.662	Polar
2,6-difluorophenol	28177-48-2	Fc1cccc(F)c1O	0.5673	0.8303	0.499	0.324	0.8103	130.0922	1.96	-1.245	Polar
3-methylphenol	108-39-4	CC1=CC=CC(=C1)O	0.81	0.85	0.5	0.39	0.916	108.14	1.96	-1.085	Polar
methyl-4-hydroxybenzoate	99-76-3	O=C(OC)c(ccc(O)c1)c1	0.8706	1.2449	0.6636	0.7201	1.1313	152.1473	1.96	-1.405	Polar
2-hydroxy-4-methoxyacetophenone	552-41-0	COc1ccc(C(C)=O)c(O)c1	0.9957	1.2398	0.1328	0.5321	1.2722	166.1739	1.98	-1.525	Polar
3-nitrophenol	554-84-7	OC1=CC=CC(=C1)[N+]([O-])=O	1.05	1.47	0.69	0.49	0.9493	139.11	2	-1.345	Polar
4-nitroanisole	100-17-4	O=N(=O)c(ccc(OC)c1)c1	0.8898	1.3589	0	0.4252	1.0902	153.1354	2.03	-2.442	Polar
4-hydroxypropio-phenone	70-70-2	O=C(c(ccc(O)c1)c1)CC	1.017	1.3457	0.6636	0.6996	1.2135	150.1745	2.03	-1.451	Polar
3-ethylaniline	587-02-0	CCC1=CC(=CC=C1)N	0.88	1.03	0.23	0.43	1.098	121.18	2.11	-1.892	Polar
2-bromoaniline	615-36-1	Nc(c(ccc1)Br)c1	1.1689	1.2454	0.2266	0.4177	0.9912	172.0226	2.11	-2.258	Polar
2-methylphenol	95-48-7	Oc(c(ccc1)C)c1	0.8083	0.845	0.499	0.3896	0.916	108.14	2.12	-1.077	Polar
2-chlorophenol	95-57-8	Oc(c(ccc1)Cl)c1	0.84	0.84	0.33	0.3	0.8975	128.56	2.15	-1.396	Polar
2,3-dimethylaniline	87-59-2	Nc(c(c(cc1)C)C)c1	0.9078	0.966	0.2266	0.4318	1.098	121.1797	2.17	-1.94	Polar
3,4-dimethylaniline	95-64-7	Nc(ccc(c1C)C)c1	0.9078	0.966	0.2266	0.4318	1.098	121.1797	2.17	-1.658	Polar

3,4-dimethylphenol	95-65-8	CC1=C(C)C=C(O)C=C1	0.83	0.79	0.5	0.39	1.0569	122.17	2.23	-1.418	Polar
1-naphthylamine	134-32-7	NC1=CC=CC2=CC=CC=C12	1.58	1.4	0.23	0.49	1.1852	143.19	2.25	-2.168	Polar
4-bromoaniline	106-40-1	Nc(ccc(c1)Br)c1	1.1933	1.2742	0.2834	0.4175	0.9912	172.03	2.26	-2.386	Polar
eugenol	97-53-0	O(c(c(O)ccc1CC=C)c1)C	0.9106	0.9732	0.2746	0.5291	1.3544	164.2011	2.27	-2.338	Polar
3-cyano-4,6-dimethyl-2-hydroxypyridine	769-28-8	n(c(cc1C)C)c(O)c1C#N	1.0489	1.4	0.499	0.8189	1.1705	148.162	2.27	-2.483	Polar
2,4-dimethylphenol	105-67-9	Oc(c(cc(c1)C)C)c1	0.8327	0.7874	0.499	0.3902	1.0569	122.17	2.3	-1.478	Polar
4,6-dichlororesorcinol	137-19-9	Oc(c(cc(c1O)Cl)Cl)c1	1.1007	1.0172	1.0037	0.346	1.0786	179.0002	2.32	-1.91	Polar
2,5-dimethylphenol	95-87-4	Oc(c(ccc1C)C)c1	0.8327	0.7874	0.499	0.3902	1.0569	122.1644	2.33	-1.503	Polar
3,5-dimethylphenol	108-68-9	CC1=CC(=CC(=C1)O)C	0.83	0.79	0.5	0.39	1.0569	122.17	2.35	-1.52	Polar
2-bromophenol	95-56-7	Oc(c(ccc1)Br)c1	1.028	0.919	0.3307	0.2971	0.9501	173.0073	2.35	-1.89	Polar
2,6-dimethylphenol	576-26-1	Oc(c(ccc1)C)c1C	0.8327	0.7874	0.3117	0.3902	1.0569	122.1644	2.36	-1.529	Polar
3-ethylphenol	620-17-7	Oc1cc(CC)ccc1	0.8065	0.8494	0.499	0.3927	1.0569	122.1644	2.4	-1.563	Polar
2,3-dichloro-1-propene	78-88-6	C(=C)(CCl)Cl	0.3498	0.4625	0.0007	0.0988	0.7331	110.9693	2.42	-2.082	Polar
1-chloro-3-nitrobenzene	121-7-33	[O-][N+](=O)C1=CC(=CC=C1)Cl	0.97	1.34	0	0.21	1.013		2.46	-2.842	Polar
2-ethylphenol	90-00-6	Oc(c(ccc1)CC)c1	0.8065	0.8494	0.499	0.3927	1.0569	122.1644	2.47	-1.623	Polar
ethyl-4-hydroxybenzoate	120-47-8	O=C(OCC)c(ccc(O)c1)c1	0.8688	1.2493	0.6636	0.7232	1.2722	166.1739	2.47	-1.943	Polar
ethyl-3-hydroxybenzoate	7781-98-8	c1c(O)cccc1C(=O)OCC	0.8688	1.2493	0.5596	0.7232	1.2722	166.1739	2.47	-1.943	Polar
2,3-dimethylphenol	526-75-0	Oc(c(c(cc1)C)C)c1	0.8327	0.7874	0.499	0.3902	1.0569	122.1644	2.48	-1.631	Polar
3-chlorophenol	108-43-0	OC1=CC(=CC=C1)Cl	0.91	0.97	0.69	0.33	0.8975	128.56	2.5	-1.695	Polar
2-hydroxy-5-methylacetophenone	1450-72-2	O=C(c(c(O)ccc1C)c1)C	0.9766	1.099	0.1328	0.3757	1.2135	150.1745	2.52	-1.867	Polar
triclopyr	55335-06-3	OC(=O)COc1nc(Cl)c(Cl)cc1Cl	1.1988	1.6439	0.5715	0.7815	1.4574	256.4697	2.53	-2.835	Polar
n,n-dimethyl-4-nitroaniline	100-23-2	O=N(=O)c(ccc(N(C)C)c1)c1	1.0631	1.4831	0	0.5573	1.2722	166.1773	2.57	-2.352	Polar
4ethylphenol	123-07-9	Oc(ccc(c1)CC)c1	0.8065	0.8494	0.499	0.3927	1.0569	122.17	2.58	-1.717	Polar
2chloro4methyl-aniline	615-65-6	CC1=C(C(=CC=C1)N)Cl	1.0103	1.106	0.2266	0.4182	1.0795	141.6	2.58	-2.172	Polar
4-bromophenol	106-41-2	Oc(ccc(c1)Br)c1	1.1182	1.0956	0.6702	0.376	0.9501	173.0073	2.59	-2.095	Polar
3-bromophenol	591-20-8	Oc(cccc1Br)c1	1.0939	1.0508	0.6899	0.3302	0.9501	173.0073	2.63	-2.13	Polar

2-allylphenol	1745-81-9	Oc(c(ccc1)CC=C)c1	0.9287	0.911	0.499	0.4467	1.1548	134.18	2.64	-2.082	Polar
5-chlorosalicylaldehyde	635-93-8	c1cc(c(cc1Cl)C=O)O	1.1265	1.3202	0.304	0.3428	1.0541	156.5661	2.65	-2.028	Polar
isobutylmethacrylate	97-86-9	O=C(OCC(C)C)C(=C)C	0.1722	0.5802	0	0.4704	1.2672	142.1956	2.67	-2.511	Polar
3,4-dichloroaniline	95-76-1	Nc(ccc(c1Cl)Cl)c1	1.1169	1.2611	0.3523	0.3483	1.061	162.02	2.69	-2.681	Polar
2-naphthol	135-19-3	OC1=CC2=C(C=CC=C2)C=C1	1.5	1.23	0.5	0.45	1.1441	144.17	2.7	-1.979	Polar
2,6-dichlorophenol	87-65-0	OC1=C(Cl)C=CC=C1Cl	0.93	0.83	0.25	0.19	1.0199	163	2.75	-2.159	Polar
2,5dichloroaniline	95-82-9		1.12	1.26	0.3	0.35	1.061	162.02	2.75	-2.732	Polar
2-methyl-4-chlorophenol	1570-64-5	CC1=C(O)C=CC(=C1)Cl	0.96	0.96	0.67	0.38	1.0384	142.59	2.78	-2.036	Polar
2,4-dichloroaniline	554-00-7	NC1=CC=C(Cl)C=C1Cl	1.12	1.26	0.28	0.35	1.061	162.02	2.78	-2.758	Polar
3benzyloxyaniline	1484-26-0	Nc2cccc(Oc1ccccc1)c2	1.4751	1.6293	0.2266	0.6766	1.6236		2.79	-3.227	Polar
dicloran	99-30-9	O=N(=O)c(cc(c(N)c1Cl)Cl)c1	1.3722	1.8012	0.2834	0.4505	1.2352	207.0136	2.8	-3.102	Polar
5-bromosalicylaldehyde	1761-61-1							201.02	2.8	-2.561	Polar
alpha,alpha,alpha-trifluoro-4-cresol	402-45-9	Oc1ccc(C(F)(F)F)cc1	0.4459	0.6742	0.6702	0.2744	0.9688	162.1092	2.82	-2.212	Polar
1,2-dimethyl-3-nitrobenzene	83-41-0	CC1=CC=CC(=C1C)[N+]([O-])=O	0.87	1.15	0	0.21	1.1724	151.17	2.83	-3.111	Polar
2,3-dichlorophenol	576-24-9	OC1=CC=CC(=C1Cl)Cl	0.95	0.91	0.52	0.23	1.0199	163	2.84	-2.236	Polar
1-naphthol	90-15-3	OC1=CC=CC2=C1C=CC=C2	1.5	1.23	0.5	0.45	1.1441	144.17	2.85	-2.107	Polar
2-isopropylphenol	88-69-7	CC(C)C1=CC=CC=C1O	0.81	0.84	0.5	0.42	1.1978	136.2	2.88	-2.075	Polar
4-butoxyphenol	122-94-1	O(c(ccc(O)c1)c1)CCCC	0.8464	1.0437	0.499	0.601	1.3974	166.217	2.9	-2.311	Polar
2-chloro-5-methylphenol	615-74-7	Oc(c(ccc1C)Cl)c1	0.8694	0.7795	0.3307	0.2976	1.0384	142.5826	2.9	-2.139	Polar
3,5-dichloroaniline	626-43-7	NC1=CC(=CC(=C1)Cl)Cl	1.1	1.21	0.33	0.28	1.061	162.02	2.9	-2.86	Polar
3-isopropylphenol	618-45-1	Oc(cccc1C(C)C)c1	0.8145	0.8379	0.499	0.4234	1.1978	136.191	2.97	-2.151	Polar
4-isopropylphenol	25168-06-3	CC(C)C1=CC=C(O)C=C1	0.81	0.84	0.5	0.42	1.1978		2.98	-2.743	Polar
2-methoxy-4-propenylphenol	97-54-1	O(c(c(O)ccc1C=CC)c1)C	0.9426	1.0146	0.2746	0.5414	1.3544	164.2011	3.04	-2.996	Polar
4chloro2nitrotoluene	89-59-8		1	1.28	0	0.21	1.1539	171.58	3.05	-3.448	Polar
2,3dichloronitro-benzene	3209-22-1		1.1	1.42	0	0.2	1.1354	192	3.05	-3.596	Polar
2,4-dichlorophenol	120-83-2	Oc(c(cc(c1)Cl)Cl)c1	0.9759	0.9346	0.5018	0.2277	1.0199	163	3.06	-2.424	Polar
2,5-dichlorophenol	583-78-8	OC1=CC(=CC=C1Cl)Cl	0.98	0.93	0.52	0.23	1.0199	163	3.06	-2.424	Polar

2,4dichloronitrobenzene	611-06-3		1.1	1.41	0	0.15	1.1354	192	3.07	-3.614	Polar
4-hydroxybenzophenone	1137-42-4	O=C(c(cccc1)c1)c(ccc(O)c2)c2	1.5932	1.8019	0.6636	0.7826	1.5395	198.2173	3.07	-2.689	Polar
pentafluoroaniline	389-40-2	NC1=C(F)C(=C(F)C(=C1F)F)F	0.29	0.97	0.39	0.15	0.9042	198.09	3.08	-3.273	Polar
4-(sec)-butylphenol	99-71-8	Oc(ccc(c1)C(CC)C)c1	0.8127	0.8423	0.499	0.4265	1.3387	150.2176	3.08	-2.348	Polar
2-chloro-6-nitrotoluene	83-42-1	CC1=C(Cl)C=CC=C1[N+]([O-])=O	1	1.28	0	0.21	1.1539	171.58	3.09	-3.482	Polar
2,5dichloronitrobenzene	89-61-2		1.12	1.45	0	0.2	1.1354	192	3.09	-3.631	Polar
4-chloro-3-methylphenol	59-50-7	Oc(ccc(c1C)Cl)c1	0.9596	0.9562	0.6702	0.3764	1.0384	142.59	3.1	-2.309	Polar
2,3,5-trimethylphenol	697-82-5	Oc(c(c(cc1C)C)C)c1	0.857	0.7299	0.499	0.3909	1.1978	136.191	3.15	-2.31	Polar
4butylaniline	104-13-2	Nc(ccc(c1)CCCC)c1	0.8781	1.0366	0.2266	0.4404	1.3798	149.24	3.15	-2.895	Polar
4propylphenol	645-56-7	Oc(ccc(c1)CCC)c1	0.8048	0.8537	0.499	0.3958	1.1978	136.2	3.18	-2.348	Polar
1-nitronaphthalene	86-57-7	[O-][N+](=O)C1=CC=CC2=C1C=CC=C2	1.54	1.59	0	0.27	1.2596	173.17	3.19	-3.579	Polar
2,4-dibromophenol	615-58-7	Oc(c(cc(c1)Br)Br)c1	1.3418	1.0983	0.5018	0.2281	1.1251	251.9034	3.22	-3.208	Polar
3-phenylphenol	580-51-8	Oc(cccc1c(cccc2)c2)c1	1.6142	1.3731	0.499	0.4855	1.3829	170.2072	3.23	-2.622	Polar
4-chloro-3,5-dimethylphenol	88-04-0	CC1=C(Cl)C(=CC(=C1)O)C	0.98	0.9	0.67	0.38	1.1793	156.61	3.27	-2.557	Polar
2-methoxy-3,5,6-trichloropyridine	31557-34-3	n1c(OC)c(Cl)cc(Cl)c1Cl	1.0321	1.1988	0	0.4509	1.2421	212.4602	3.27	-3.547	Polar
3-tert-butylphenol	585-34-2	CC(C)(C)C1=CC=CC(=C1)O	0.79	0.79	0.5	0.43	1.3387	150.22	3.3	-2.536	Polar
thymol	89-83-8	CC(C)C1=CC=C(C)C=C1O	0.84	0.78	0.5	0.42	1.3387	150.22	3.3	-2.536	Polar
4-benzyloxyphenol	103-16-2	O(c(ccc(O)c1)c1)Cc(cccc2)c2	1.4244	1.4956	0.499	0.6809	1.5825	200.2332	3.3	-2.901	Polar
2-(tert)-butylphenol	88-18-6	Oc(c(ccc1)C(C)(C)C)c1	0.7875	0.7915	0.499	0.4333	1.3387	150.2176	3.31	-2.544	Polar
4-(tert)-butylphenol	98-54-4	Oc(ccc(c1)C(C)(C)C)c1	0.7875	0.7915	0.499	0.4333	1.3387	150.22	3.31	-2.544	Polar
3,4-dichlorophenol	95-77-2	OC1=CC(=C(Cl)C=C1)Cl	1.04	1.08	0.86	0.31	1.0199	163	3.33	-2.654	Polar
2,4-dichloro-6-methylphenol	1570-65-6	Cc1cc(Cl)cc(Cl)c1O	1.0003	0.877	0.5018	0.2284	1.1608	177.0273	3.35	-2.773	Polar
Hexanitrodiphenylamine	131-73-7	O=N(=O)c(cc(N(=O)=O)c(Nc(c(N(=O)=O)cc(N(=O)=O)c1)c1N(=O)=O)c2N(=O)=O)c2	3.0951	4.2034	0.0778	0.865	2.4692	439.2081	3.35	-5.265	Polar
2,3,6-trimethylphenol	2416-94-6	Oc(c(ccc1C)C)c1C	0.857	0.7299	0.3117	0.3909	1.1978	136.2	3.42	-1.896	Polar
4-hexylresorcinol	136-77-6	Oc(c(ccc1O)CCCCCC)c1	1.0066	1.0638	0.9981	0.6227	1.6792	194.2701	3.45	-2.985	Polar

2,4,5-trichloroaniline	636-30-6	NC1=CC(=C(Cl)C=C1Cl)Cl	1.23	1.36	0.35	0.27	1.1834	196.46	3.45	-3.581	Polar
octyl dimethyl amine	7378-99-6	N(CCCCCCCC)(C)C	0.1606	0.3867	0	0.5469	1.6174	157.2964	3.48	-2.31	Polar
4-bromo-2,6-dimethylphenol	2374-05-2	Oc(c(cc(c1)Br)C)c1C	1.1669	0.9805	0.4828	0.3773	1.2319	201.0605	3.5	-3.075	Polar
3,3-dichloro-[1,1-biphenyl]-4,4-diamine	91-94-1	Nc(c(cc(c(ccc(N)c1Cl)c1)c2)Cl)c2	2.2456	2.1057	0.4533	0.8163	1.7686	253.1267	3.51	-4.044	Polar
2,4,6-trichloroaniline	634-93-5	NC1=C(Cl)C=C(Cl)C=C1Cl	1.24	1.34	0.28	0.31	1.1834	196.46	3.52	-3.64	Polar
2-benzyl-4-chlorophenol	120-32-1	Oc(c(cc(c1)Cl)Cc(cccc2)c2)c1	1.5323	1.4212	0.6702	0.4657	1.6462	218.6785	3.6	-3.29	Polar
3,5-dichlorophenol	591-35-5	OC1=CC(=CC(=C1)Cl)Cl	1.03	1.03	0.79	0.24	1.0199	163	3.62	-2.902	Polar
4-butylphenol	1638-22-8	CCCCC1=CC=C(O)C=C1	0.8	0.86	0.5	0.4	1.3387	150.22	3.65	-2.835	Polar
4-bromo-2,6-dichlorophenol	3217-15-0	Brc(cc(Cl)c1O)cc1Cl	1.2529	1.0169	0.4177	0.1524	1.1949	241.8968	3.69	-3.538	Polar
4-nitrodiphenylamine	836-30-6	N(=O)(=O)c(ccc(Nc(cccc1)c1)c2)c2	1.6439	1.9805	0.1845	0.5131	1.5982	214.2201	3.69	-3.958	Polar
2-nitrodiphenylamine	119-75-5	O=N(=O)c(c(Nc(cccc1)c1)ccc2)c2	1.6784	1.7714	0.0779	0.4688	1.5982	214.2201	3.69	-3.889	Polar
2,3,6-trichlorophenol	933-75-5	OC1=C(Cl)C(=CC=C1Cl)Cl	1.04	0.93	0.44	0.11	1.1423	197.45	3.77	-3.281	Polar
3,5-dibromosalicyl-aldehyde	90-59-5	Oc1c(Br)cc(Br)cc1C=O	1.5331	1.4048	0.1356	0.1952	1.2817	279.9135	3.79	-3.896	Polar
2-hydroxy-4-methoxybenzo-phenone	131-57-7	O=C(c(cccc1)c1)c(c(O)cc(OC)c2)c2	1.5701	1.7004	0.1328	0.6182	1.7391	228.2433	3.79	-3.522	Polar
2,3,4-trichlorophenol	15950-66-0	OC1=C(Cl)C(=C(Cl)C=C1)Cl	1.07	1	0.69	0.15	1.1423		3.8	-3.307	Polar
2,3,5-trichlorophenol	933-78-8	OC1=C(Cl)C(=CC(=C1)Cl)Cl	1.07	1	0.62	0.13	1.1423	197.45	3.84	-3.341	Polar
4-chloro-2-isopropyl-5-methylphenol	89-68-9	Oc(c(cc(c1C)Cl)C(C)C)c1	0.9902	0.8915	0.6702	0.4109	1.4611	184.6623	3.92	-3.316	Polar
2-(tert)-butyl-4-methylphenol	2409-55-4	Oc(c(cc(c1)C)C(C)(C)C)c1	0.8119	0.7339	0.499	0.434	1.4796	164.2441	3.97	-3.21	Polar
4-pentylphenol	14938-35-3	Oc(ccc(c1)CCCCC)c1	0.8012	0.8625	0.499	0.402	1.4796	164.2441	4.02	-3.287	Polar
hexane	110-54-3	C(CCCC)C	0	0.19	0	0.04	0.954	86.18	4.12	-3.699	Polar
2,4,6-tribromophenol	118-79-6	Oc(c(cc(c1)Br)Br)c1Br	1.6188	1.1807	0.4177	0.1529	1.3001	330.7994	4.13	-4.559	Polar
nitromusk ambrette	83-66-9	N(=O)(=O)c(c(c(N(=O)(=O))c(OC)c1C(C)(C)C)C)c1	1.1872	1.7603	0	0.5673	1.9689	268.2659	4.17	-5.105	Polar
2,4,6-tribromoresorcinol	2437-49-2	Oc1c(Br)cc(Br)c(O)c1Br	1.7436	1.2632	0.9195	0.2711	1.3588	346.7988	4.37	-4.881	Polar
6-(tert)-butyl-2,4-dimethylphenol	1879-09-0	Oc(c(cc(c1)C)C(C)(C)C)c1C	0.8362	0.6764	0.3117	0.4346	1.6205	178.2707	4.52	-3.779	Polar
3,5-di-(tert)-butylphenol	1138-52-9	Oc(cc(cc1C(C)(C)C)C(C)(C)C)c1	0.7911	0.6804	0.499	0.4777	1.9023	206.3239	4.64	-4.089	Polar

triclosan	3380-34-5	O(c(c(O)cc(c1)Cl)c1)c(c(cc(c2)Cl)Cl)c2	1.7281	1.6951	0.4654	0.4087	1.8088	289.5409	4.76	-4.797	Polar
246triiodophenol	609-23-4	Oc(c(cc(c1)I)I)c1I	2.5372	1.3727	0.4177	0.2164	1.5497	471.8	4.8	-5.902	Polar
2,2′-methylenebis(4-chlorophenol)	97-23-4	c1cc(c(cc1Cl)Cc2cc(ccc2O)Cl)O	1.9111	1.743	1.3404	0.7262	1.8273	269.1227	4.89	-4.221	Polar
4-tert-octylphenol	140-66-9	Oc(ccc(c1)C(CC(C)(C)C)(C)C)c1	0.7649	0.7424	0.499	0.4801	1.9023	206.3239	5.28	-4.631	Polar
nonylphenol	25154-52-3	Oc1ccc(cc1)CCCCCCCCC	0.7941	0.88	0.499	0.4144	2.0432	220.3505	5.76	-5.147	Polar
26ditertbutyl4methylphenol	128-37-0	Oc(c(cc(c1)C)C(C)(C)C)c1C(C)(C)C	0.8154	0.6229	0.3117	0.4784	2.0432	220.36	6.07	-4.584	Polar
tetrabromobisphenol-a	79-94-7	Oc(c(cc(c1)C(c(cc(c(O)c2Br)Br)c2)(C)C)Br)c1Br	2.6111	1.6465	0.493	0.4029	2.5643	543.8706	7.2	-8.735	Polar
2,2′-methylenebis(3,4,6-trichlorophenol)	70-30-4	c1c(c(c(c(c1Cl)Cl)Cc2c(c(cc(c2Cl)Cl)Cl)O)O)Cl	2.2133	1.7846	1.3853	0.2717	2.3169	406.9017	7.54	-8.025	Polar
phenol, 4,4-thiobis[2-(1,1-dimethylethyl)-5-methyl-	96-69-5	Oc(c(cc(Sc(c(cc(O)c1C(C)(C)C)C)c1)c2C)C(C)(C)C)c2	2.0169	1.3852	0.9981	0.9482	3.0141	358.5384	8.24	-8.274	Polar
1,4-bis(3-aminopropyl)-piperazine	7209-38-3	C1CN(CCN1CCCN)CCCN	0.9385	1.2916	0.4215	2.1021	1.8082	200.3245	−0.62	0.698	Polar
2,4-difluorophenol	367-27-1	c1cc(c(cc1F)F)O	0.5815	0.8603	0.6702	0.3188	0.8103	130.0922			Polar
3-chloro-4-fluorophenol	2613-23-2	Oc1cc(Cl)c(F)cc1	0.8116	0.9714	0.861	0.3128	0.9151	146.5465		-1.704	Polar
5-fluoro-2-hydroxyacetophenone	394-32-1	c1cc(cc(c1)F)C(=O)CO	0.8336	1.1528	0.172	0.7013	1.0902	154.1384			Polar
2,6-dichloro-4-fluorophenol	392-71-2	c1(c(cc(cc1Cl)F)Cl)O	0.8398	0.8239	0.4177	0.1582	1.0375	180.9912		-2.506	Polar
4-heptyloxyphenol	13037-86-0	CCCCCCCOc1ccc(cc1)O	0.841	1.0568	0.499	0.6103	1.8201	208.2967		-4.018	Polar
4-hexyloxyphenol	18979-55-0	CCCCCCOc1ccc(cc1)O	0.8428	1.0525	0.499	0.6072	1.6792	194.2701		-3.496	Polar
methyl-4-methoxysalicylate	5446-02-6	COC(=O)c1c(O)cc(OC)cc1	0.8475	1.1434	0.1328	0.5557	1.3309	182.1733		-2.243	Polar
2-chloro-4,5-dimethylphenol	1124-04-5	Cc1cc(c(cc1C)Cl)O	0.8937	0.7219	0.3307	0.2982	1.1793	156.6092		-2.541	Polar
3-ethoxy-4-methoxyphenol	65383-57-5	CCOc1cc(ccc1OC)O	0.9033	1.5293	0.499	0.7871	1.3152	168.1898			Polar
salicylic-acid	8052-31-1	c1ccc(c(c1)C(=O)O)O	0.9103	1.101	0.7043	0.3956	0.9904	138.1207			Polar
3-chloro-5-methoxyphenol	65262-96-6	COC1=CC(=CC(=C1)O)Cl	0.9442	1.0453	0.6899	0.4589	1.0971	158.582		-1.69	Polar
4-chloro-3-ethylphenol	14143-32-9	Oc1cc(CC)c(Cl)cc1	0.9579	0.9606	0.6702	0.3795	1.1793	156.6092		-2.493	Polar
4-hydroxy-3-methoxybenzylamine	7149-10-2	COc1cc(ccc1O)CN	0.9894	1.2272	0.4854	1.0152	1.2154	153.1785			Polar

2-hydroxy-4,5-dimethylaceto-phenone	36436-65-4	Oc1cc(C)c(C)cc1C(=O)C	1.001	1.0415	0.1328	0.3764	1.3544	164.2011		-2.437	Polar
5-pentylresorcinol	500-66-3	CCCCCc1cc(cc(c1)O)O	1.0084	1.0594	0.9981	0.6196	1.5383	180.2435			Polar
2-bromo-4-methylphenol	6627-55-0	c1(c(ccc(c1)C)O)Br	1.0523	0.8614	0.3307	0.2978	1.091	187.0339		-2.505	Polar
4-bromo-3,5-dimethylphenol	7463-51-6	Oc1cc(C)c(Br)c(C)c1	1.1669	0.9805	0.6702	0.3773	1.2319	201.0605		-3.075	Polar
3,5-dichlorosalicyl-aldehyde	90-60-8	O=Cc(c(O)c(cc1Cl)Cl)c1	1.1672	1.2411	0.1356	0.1948	1.1765	191.0109		-2.829	Polar
4-bromo-6-chloro-2-cresol	7530-27-0	Cc1cc(cc(c1O)Cl)Br	1.1832	0.9589	0.5018	0.2286	1.2134	221.4786		-3.306	Polar
fipronil	120068-37-3	NC1=C(C(=NN1C1=C(Cl)C=C(C=C1Cl)C(F)(F)F)C#N)S(=O)C(F)(F)F	1.9672	3.1506	0.2955	1.319	2.253	437.1483		-6.067	Pyrazole GABA antagonism
ethiprole	181587-01-9	CCS(=O)C1=C(N(N=C1C#N)C2=C(C=C(C=C2Cl)C(F)(F)F)Cl)N	2.3278	3.3258	0.2955	1.4372	2.3411	397.2035			Pyrazole GABA antagonism
pyriprole	394730-71-3	c1ccnc(c1)CNc2c(c(nn2c3c(cc(cc3Cl)C(F)(F)F)Cl)C#N)SC(F)F	2.4641	2.6005	0.2866	1.1487	2.8843	494.2691			Pyrazole GABA antagonism
vaniliprole	145767-97-1	COc1cc(ccc1O)/C=N/c2c(c(nn2c3c(cc(cc3Cl)C(F)(F)F)Cl)C#N)SC(F)(F)F	2.4897	2.3287	0.2746	1.0285	3.1583	555.281			Pyrazole GABA antagonism
pyrafluprole	315208-17-4	c1cnc(cn1)CNc2c(c(nn2c3c(cc(cc3Cl)C(F)(F)F)Cl)C#N)SCF	2.6148	2.6901	0.1993	1.288	2.8256	477.2668			Pyrazole GABA antagonism
acetoprole	209861-58-5										Pyrazole GABA antagonism
fenfluthrin	75867-00-4	CC1([C@@H](C1C=C(Cl)Cl)C(=O)OCc2c(c(c(c(c2F)F)F)F)F)C	0.7148	1.258	0	0.4424	2.2401	389.1441	0		Pyrethroid sodium channel modulation
cevadine	62-59-9	CC=C(C)C(=O)OC6CCC4(C)C7CCC5C3(O)CC(O)C2(O)C(CN1CC(C)CCC1C2(C)O)C3(O)CC45OC67O	3.0717	2.6069	1.4934	3.3538	4.3993	591.7328	0.89	-3.266	Pyrethroid sodium channel modulation
imiprothrin	72963-72-5	CC(C)=CC1C(C)(C)C1C(=O)OCN2C(=O)CN(CC#C)C2=O	1.4916	1.8506	0.0852	1.6045	2.4631	318.3677	2.9	-3.998	Pyrethroid sodium channel modulation
veratridine	71-62-5	C72CCC3C8(O)CC(O)C5(C)CC6CCCCN6CC5C8CC43OC7(O)C(OC(=O)c1cc(OC)c(OC)cc1)CCC24	3.0819	3.0493	0.8529	2.8032	4.4278	597.7389	3.76	-5.755	Pyrethroid sodium channel modulation

veratrine	8051-02-3	C12CCC3C7(O)CC(O)C5(C)CC6CCCCN6CC5C7CC43OC1(O)C(OC(=O)C(C)=CC)CCC24	2.4992	2.0388	0.8529	2.3443	3.9414	515.6814	3.97	-5.341	Pyrethroid sodium channel modulation
pyrethrin ii	121-29-9	O=C(OC(C(=C(C1=O)CC=CC=C)C)C1)C(C2(C)C)C2C=C(C(=O)OC)C	1.2751	1.7869	0	1.4093	2.9837	372.4547	4.3	-5.588	Pyrethroid sodium channel modulation
terallethrin	15589-31-8	C1(=O)C(CC=C)=C(C)C(OC(=O)C2C(C)(C)C2(C)C)C1	0.9042	1.1782	0	0.9306	2.2908	276.3707	4.65	-5.191	Pyrethroid sodium channel modulation
tetramethrin [(1r)-cis isomer]	51348-90-4	CC(C)=CC1C(C)(C)C1C(=O)OCN2C(=O)C(CCCC3)=C3C2(=O)	1.3682	1.89	0	1.3337	2.5795	331.4061	4.73	-5.656	Pyrethroid sodium channel modulation
s-bioallethrin	28434-00-6	CC(C)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=C)C2(C)C	1.0605	1.2795	0	1.0092	2.5296	302.4079	4.78	-5.488	Pyrethroid sodium channel modulation
cinerin ii	121-20-0	CC(C(=O)OC)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=CC)C2(C)C	1.153	1.7252	0	1.3553	2.8858	360.444	4.98	-6.079	Pyrethroid sodium channel modulation
jasmolin ii	1172-63-0	CC(C(=O)OC)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=CCC)C2(C)C	1.1512	1.7296	0	1.3584	3.0267	374.4706	5.47	-6.6	Pyrethroid sodium channel modulation
metofluthrin	240494-70-6	CC2(C(C2C=CC)C(OCc1c(c(c(c(c1F)F)COC)F)F)=O)C	0.6569	1.1733	0	0.6766	2.4591	360.3432	5.52	-6.538	Pyrethroid sodium channel modulation
d-trans allethrin (bioallethrin)	584-79-2	CC1=C(C(=O)CC1OC(=O)C2C(C2(C)C)C=C(C)C)CC=C	1.0605	1.2795	0	1.0092	2.5296	302.4079	5.52	-5.488	Pyrethroid sodium channel modulation
tetramethrin	7696-12-0	CC(C)=CC1C(C)(C)C1C(=O)OCN2C(=O)C(CCCC3)=C3C2(=O)	1.3682	1.89	0	1.3337	2.5795	331.4061	5.54	-5.656	Pyrethroid sodium channel modulation
furamethrin	23031-38-1	C#CCC1=CC=C(O1)COC(=O)C2C(C)(C)C2C=C(C)C	1.0326	1.1067	0.0852	0.7182	2.3457	286.3655	5.61	-6.078	Pyrethroid sodium channel modulation
fenpropathrin	39515-41-8	CC3(C)C(C(=O)OC(C#N)c2cccc(Oc1ccccc1)c2)C3(C)C	1.6495	2.097	0.0007	1.0428	2.7715	349.423	5.62	-7.137	Pyrethroid sodium channel modulation
cyfluthrin	68359-37-5	CC1(C)C(C=C(Cl)Cl)C1C(=O)OC(C#N)c3ccc(F)c(Oc2ccccc2)c3	1.9486	2.4449	0.0007	1.1073	2.9909	434.2871	5.74	-7.712	Pyrethroid sodium channel modulation

furethrin	17080-02-3	O=C(OC3C(C)=C(C(C3)=O)CC2=CC=CO2)C1C(C)(C)C1C=C(C)C	1.2951	1.5562	0	1.0766	2.7185	342.4287	5.75	-6.605	Pyrethroid sodium channel modulation
pyrethrin i	121-21-1	CC(C)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=CC=C)C2(C)C	1.2128	1.387	0	1.0787	2.7684	328.4452	5.9	-6.634	Pyrethroid sodium channel modulation
cinerin i	25402-06-6	CC(C)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=CC)C2(C)C	1.0907	1.3253	0	1.0247	2.6705	316.4345	5.93	-6.57	Pyrethroid sodium channel modulation
phenothrin [(1r)-trans- isomer]	26046-85-5	CC(C)=CC3C(C(=O)OCc2cccc(Oc1ccccc1)c2)C3(C)C	1.6151	1.6617	0	0.9188	2.8556	350.4507	6.01	-6.888	Pyrethroid sodium channel modulation
d-cis-phenothrin	51186-88-0	CC(C)=CC3C(C(=O)OCc2cccc(Oc1ccccc1)c2)C3(C)C	1.6151	1.6617	0	0.9188	2.8556	350.4507	6.01	-6.888	Pyrethroid sodium channel modulation
beta-cypermethrin	65731-84-2	ClC(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.05	-8.426	Pyrethroid sodium channel modulation
(+)-theta-cypermethrin	65732-07-2	ClC(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.06	-8.426	Pyrethroid sodium channel modulation
bioresmethrin	28434-01-7	C(C)(C)=CC1C(C)(C)C1C(=O)OCc2coc(Cc3ccccc3)c2	1.3562	1.3893	0	0.7448	2.7577	338.44	6.14	-6.911	Pyrethroid sodium channel modulation
pyrethrins	8003-34-7	O=C(C(C)C1OC(=O)C(C2(C)C)C2C=C(C)C)C(=C1)CC=CC=C	1.2437	1.428	0	1.0903	2.7684	328.4452	6.15	-6.85	Pyrethroid sodium channel modulation
proparthrin	27223-49-0	C#CCc2cc(c(o2)C)COC(=O)C1C(C1C=C(C)C)(C)C	1.057	1.0491	0.0852	0.7188	2.4866	300.3921	6.16	-6.648	Pyrethroid sodium channel modulation
deltamethrin	52918-63-5	CC1(C)C(C=C(Br)Br)C1C(=O)OC(C#N)c3cccc(Oc2ccccc2)c3	2.4178	2.6373	0.0007	1.1147	3.0785	505.1992	6.18	-8.442	Pyrethroid sodium channel modulation
barthrin	70-43-9	CC(C)=CC1C(C)(C)C1C(=O)OCc2c(Cl)cc3OCOc3c2	1.4278	1.4805	0	0.9399	2.4612	336.8096	6.19	-6.94	Pyrethroid sodium channel modulation
(+-)-cis,trans-deltamethrin	120710-23-8	N#CC(c2cccc(c2)Oc3ccccc3)OC(=O)C1C(C1C=C(Br)Br)(C)C	2.4178	2.6373	0.0007	1.1147	3.0785	505.1992	6.2	-8.442	Pyrethroid sodium channel modulation
ru 22950	52820-00-5	CC1(C)C(C=C(Br)Br)C1C(=O)OC(C#N)c3cccc(Oc2ccccc2)c3	2.4178	2.6373	0.0007	1.1147	3.0785	505.1992	6.2	-8.442	Pyrethroid sodium channel modulation

esfenvalerate	66230-04-4	c1cc(Cl)ccc1C(C(C)C)C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.2044	2.6593	0.0007	1.1022	3.1876	419.8998	6.22	-7.838	Pyrethroid sodium channel modulation
b-fenvalerate	66267-77-4	N#CC(c2cccc(c2)Oc3ccccc3)OC(=O)C(c1ccc(cc1)Cl)C(C)C	2.2044	2.6593	0.0007	1.1022	3.1876	419.8998	6.22	-7.838	Pyrethroid sodium channel modulation
cyclethrin	97-11-0	C(=CC1)C(C1)C(=C(C)C2OC(=O)C(C3(C)C)C3C=C(C)C)C(=O)C2	1.3097	1.4008	0	1.0318	2.7028	328.4452	6.23	-6.918	Pyrethroid sodium channel modulation
kadenthrin	58769-20-3	O=C1SCCC1=CC2C(C)(C)C2C(=O)OCc3coc(Cc4ccccc4)c3	2.1216	2.1242	0	1.1546	2.9692	396.5003	6.29	-7.465	Pyrethroid sodium channel modulation
jasmolin i	4466-14-2	CC(C)=CC2C(C(=O)OC1CC(=O)C(=C1C)CC=CCC)C2(C)C	1.0889	1.3297	0	1.0278	2.8114	330.4611	6.42	-7.092	Pyrethroid sodium channel modulation
cyphenothrin	39515-40-7	c1c(Oc2ccccc2)cccc1C(C#N)OC(=O)C3C(C)(C)C3C=C(C)C	1.8058	2.1984	0.0007	1.1214	3.0103	375.4602	6.49	-7.741	Pyrethroid sodium channel modulation
tefluthrin	79538-32-2	C(Cl)(C(F)(F)F)=CC1C(C)(C)C1C(=O)OCc2c(F)c(F)c(C)c(F)c2F	0.357	0.9288	0	0.3614	2.4347	418.7334	6.5	-7.803	Pyrethroid sodium channel modulation
biopermethrin	51877-74-8	C3(C(C3C(OCc1cc(Oc2ccccc2)ccc1)=O)C=C(Cl)Cl)(C)C	1.8612	1.9369	0	0.9117	2.8186	391.2871	6.5	-7.604	Pyrethroid sodium channel modulation
permethrin	52645-53-1	CC1(C)C(C=C(Cl)Cl)C1C(=O)OCc3cccc(Oc2ccccc2)c3	1.8612	1.9369	0	0.9117	2.8186	391.2871	6.5	-7.604	Pyrethroid sodium channel modulation
(+)-cis-permethrin	54774-45-7	C3(C(C3C(OCc1cc(Oc2ccccc2)ccc1)=O)C=C(Cl)Cl)(C)C	1.8612	1.9369	0	0.9117	2.8186	391.2871	6.5	-7.604	Pyrethroid sodium channel modulation
(+-)-cis-permethrin	61949-76-6	O=C(OCC2=CC=CC(OC3=CC=CC=C3)=C2)C1C(C)(C)C1C=C(Cl)Cl	1.8612	1.9369	0	0.9117	2.8186	391.2871	6.5	-7.604	Pyrethroid sodium channel modulation
(+-)-trans-permethrin	61949-77-7	O=C(OCC2=CC=CC(OC3=CC=CC=C3)=C2)C1C(C)(C)C1C=C(Cl)Cl	1.8612	1.9369	0	0.9117	2.8186	391.2871	6.5	-7.604	Pyrethroid sodium channel modulation
flucythrinate	70124-77-5	CC(C)C(C(=O)OC(C#N)c2cccc(Oc1ccccc1)c2)c3ccc(OC(F)F)cc3	1.8954	2.5829	0.0887	1.2419	3.3	451.462	6.56	-8.051	Pyrethroid sodium channel modulation
dimethrin	70-38-2	c(c(cc1C)C)cc1COC(=O)C(C2(C)C)C2C=C(C)C	1.0256	0.9891	0	0.6211	2.4709	286.4085	6.57	-6.904	Pyrethroid sodium channel modulation

cypermethrin	52315-07-8	ClC(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.6	-8.426	Pyrethroid sodium channel modulation
cycloprothrin	63935-38-6	c1ccc(Oc2ccccc2)cc1C(C#N)C(=O)OC3(c4ccc(OCC)cc4)CC3(Cl)Cl	2.4893	2.874	0.0007	1.2711	3.401	482.3547	6.66	-8.665	Pyrethroid sodium channel modulation
fenvalerate	51630-58-1	CC(C)C(C(=O)OC(C#N)c2cccc(Oc1ccccc1)c2)c3ccc(Cl)cc3	2.2044	2.6593	0.0007	1.1022	3.1876	419.8998	6.76	-7.838	Pyrethroid sodium channel modulation
tau-fluvalinate	102851-06-9	C(C(Nc2ccc(C(F)(F)F)cc2Cl)C(C)C)(OC(C#N)c3cc(ccc3)Oc1ccccc1)=O	2.042	2.7006	0.1872	1.2672	3.4811	502.9125	6.81	-8.946	Pyrethroid sodium channel modulation
fluvalinate	69409-94-5	c1cc(C(F)(F)F)cc(Cl)c1NC(C(C)C)C(=O)OC(C(#N))c2cccc(Oc3ccccc3)c2	2.042	2.7006	0.1872	1.2672	3.4811	502.9125	6.81	-8.946	Pyrethroid sodium channel modulation
cyhalothrin	68085-85-8	FC(F)(F)C(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cc(Oc3ccccc3)ccc2	1.5665	2.1651	0.0007	1.0026	3.0446	449.8498	6.85	-8.722	Pyrethroid sodium channel modulation
alpha-cypermethrin	67375-30-8	ClC(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.94	-8.426	Pyrethroid sodium channel modulation
theta-cypermethrin	71697-59-1	N#CC(c2cc(ccc2)Oc3ccccc3)OC(=O)C1C(C1C=C(Cl)Cl)(C)C	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.94	-8.426	Pyrethroid sodium channel modulation
ru 27996	83860-31-5	ClC(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cccc(Oc3ccccc3)c2	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966	6.94	-8.426	Pyrethroid sodium channel modulation
lambda-cyhalothrin	91465-08-6	FC(F)(F)C(Cl)=CC1C(C)(C)C1C(=O)OC(C#N)c2cc(Oc3ccccc3)ccc2	1.5665	2.1651	0.0007	1.0026	3.0446	449.8498	7	-8.722	Pyrethroid sodium channel modulation
ethofenprox	80844-07-1	c1cc(OCC)ccc1C(C)(C)COCc2cc(Oc3ccccc3)ccc2	1.8706	1.8635	0	0.9796	3.0944	376.488	7.05	-7.966	Pyrethroid sodium channel modulation
resmethrin	10453-86-8	CC(C)=CC3C(C(=O)OCc2coc(Cc1ccccc1)c2)C3(C)C	1.3562	1.3893	0	0.7448	2.7577	338.44	7.11	-6.911	Pyrethroid sodium channel modulation
tralocythrin	66841-26-7	C2(C(C2C(C(Cl)(Cl)Br)Br)C(=O)OC(c3cc(ccc3)Oc1ccccc1)C#N)(C)C	2.6637	2.7336	0.0014	1.1575	3.3663	576.1046	7.38	-9.963	Pyrethroid sodium channel modulation
brofluthrinate	160791-64-0	c1cc(OC(F)F)ccc1C(C(C)C)C(=O)OC(C#N)c2cccc(Oc3ccc(Br)cc3)c2	2.2297	2.776	0.0887	1.229	3.475	530.358	7.45	-9.691	Pyrethroid sodium channel modulation

phenothrin	26002-80-2	CC(C)=CC3C(C(=O)OCc2cccc(Oc1ccccc1)c2)C3(C)C	1.6151	1.6617	0	0.9188	2.8556	350.4507	7.54	-6.888	Pyrethroid sodium channel modulation
tralomethrin	66841-25-6	C(Br)(C(Br)(Br)Br)C1C(C)(C)C1C(=O)OC(C(#N))c2cccc(Oc3ccccc3)c2	3.0297	2.8974	0.0014	1.1579	3.4715	665.0072	7.56	-10.763	Pyrethroid sodium channel modulation
flumethrin	69770-45-2	c1cc(Cl)ccc1C(Cl)=CC2C(C)(C)C2C(=O)OC(C#N)c3ccc(F)c(Oc4ccccc4)c3	2.5475	2.848	0.0007	1.1941	3.5987	510.383	7.65	-9.72	Pyrethroid sodium channel modulation
bioethanomethrin	22431-62-5	O=C(C2C(C2C=C3CCCC3)(C)C)OCc4coc(c4)Cc1ccccc1	1.5638	1.485	0	0.7274	2.9309	364.4773	7.97	-8.668	Pyrethroid sodium channel modulation
flufenprox	107713-58-6	c1cc(OCC)ccc1C(C(F)(F)F)COCc2cc(Oc3ccc(Cl)cc3)ccc2	1.6865	1.8502	0.0007	0.8414	3.1287	450.8776	8.08	-9.387	Pyrethroid sodium channel modulation
bifenthrin	82657-04-3	c1ccccc1c2c(C)c(COC(=O)C3C(C)(C)C3C=C(Cl)C(F)(F)F)ccc2	1.5921	1.4839	0	0.5982	2.9721	422.8675	8.15	-9.245	Pyrethroid sodium channel modulation
silafluofen	105024-66-6	c1cc(OCC)ccc1[Si](C)(C)CCCc2ccc(F)c(Oc3ccccc3)c2	1.5323	1.66	0	0.7495	3.299	408.5805	8.2	-9.181	Pyrethroid sodium channel modulation
heptafluthrin	1130296-65-9	CC1(C(C1C(=O)OCc2c(c(c(c(c2F)F)COC)F)F)/C=C\C(F)(F)F)C	0.2946	1.0025	0	0.5614	2.5119	414.3146			Pyrethroid sodium channel modulation
tetramethylfluthrin	84937-88-2	CC1(C(C1(C)C)C(=O)OCc2c(c(c(c(c2F)F)COC)F)F)C	0.4776	1.0195	0	0.617	2.3612	348.3325			Pyrethroid sodium channel modulation
profluthrin	223419-20-3	C/C=C\C1C(C1(C)C)C(=O)OCc2c(c(c(c(c2F)F)C)F)F	0.6193	1.0145	0	0.4611	2.2595	330.3172			Pyrethroid sodium channel modulation
empenthrin	54406-48-3	CC(C)=CC1C(C)(C)C1C(=O)OC(C#C)C(C)=CCC	0.7888	0.8694	0.0852	0.7154	2.4386	274.3978		-6.502	Pyrethroid sodium channel modulation
transfluthrin	118712-89-3	Fc1c(F)cc(F)c(F)c1COC(=O)C2C(C)(C)C2C=C(Cl)Cl	0.818	1.2948	0	0.4724	2.2225	371.1536		-6.569	Pyrethroid sodium channel modulation
meperfluthrin	915288-13-0	CC1([C@H]([C@@H]1C(=O)OCc2c(c(c(c(c2F)F)COC)F)F)C=C(Cl)Cl)C	0.88	1.396	0	0.6885	2.563	415.2062			Pyrethroid sodium channel modulation
japothrins	10597-73-6	CC(=CC1C(C1(C)C)C(=O)OCc2ccc(o2)CC=C)C	0.9039	0.9903	0	0.7127	2.3887	288.3814			Pyrethroid sodium channel modulation

bioallethrin s-cyclopentenyl	28057-48-9	CC1=C(C(=O)C[C@@H]1OC(=O)[C@@H]2[C@H](C2(C)C)C=C(C)CC=C	1.0605	1.2795	0	1.0092	2.5296	302.4079			Pyrethroid sodium channel modulation
prallethrin	23031-36-9	CC(C)=CC1C(C)(C)C1C(=O)OC2C(C)=C(CC#C)C(=O)C2	1.1892	1.3959	0.0852	1.0147	2.4866	300.3921		-5.225	Pyrethroid sodium channel modulation
butethrin	28288-05-3	CC(=CC1C(C1(C)C)C(=O)OCC=C(Cc2ccccc2)Cl)C	1.2275	1.3011	0	0.7078	2.6912	332.864			Pyrethroid sodium channel modulation
acrinathrin	101007-06-1	c1c(Oc2ccccc2)cccc1C(C#N)OC(=O)C3C(C)(C)C3C=CC(=O)OC(C(F)(F)F)C(F)(F)F	1.3008	2.2579	0.0889	1.2938	3.4721	541.4391		-9.156	Pyrethroid sodium channel modulation
resmethrin mixture with piperonyl butoxide	111376-59-1	CCCCOCCOCCOCc1cc2c(cc1CCC)OCO2.CC(=CC1C(C1(C)C)C(=O)OCc2cc(oc2)Cc3ccccc3)C	1.3562	1.3893	0	0.7448	2.7577	338.44			Pyrethroid sodium channel modulation
cismethrin	35764-59-1	CC(=C[C@H]1[C@H](C1(C)C)C(=O)OCc2cc(oc2)Cc3ccccc3)C	1.3562	1.3893	0	0.7448	2.7577	338.44			Pyrethroid sodium channel modulation
pyresmethrin	24624-58-6	C/C(=C\[C@@H]1[C@H](C1(C)C)C(=O)OCc2cc(oc2)Cc3ccccc3)/C(=O)OC	1.4185	1.7892	0	1.0754	2.973	382.4495			Pyrethroid sodium channel modulation
gamma-cyhalothrin	76703-62-3	CC1(C)[C@@H](\C=C(/Cl)C(F)(F)F)[C@H]1C(=O)O[C@H](C#N)C1=CC=CC(OC2=CC=CC=C2)=C1	1.5665	2.1651	0.0007	1.0026	3.0446	449.8498			Pyrethroid sodium channel modulation
1s-cis-permethrin	54774-46-8	CC1([C@@H]([C@@H]1C(=O)OCc2cccc(c2)Oc3ccccc3)C=C(Cl)Cl)C	1.8612	1.9369	0	0.9117	2.8186	391.2871			Pyrethroid sodium channel modulation
halfenprox	111872-58-3	CC(C)(COCC1=CC(=CC=C1)OC2=CC=CC=C2)C3=CC=C(C=C3)OC(F)(F)Br	1.9144	1.915	0	0.8949	3.1637	477.3384		-9.81	Pyrethroid sodium channel modulation
valerate	51630-33-2	CC(C)C(c1ccc(cc1)Cl)C(=O)OCc2cccc(c2)Oc3ccccc3	2.0137	2.1227	0	0.8996	3.0329	394.8903			Pyrethroid sodium channel modulation
zeta-cypermethrin	1315501-18-8	CC1(C(C1C(=O)O[C@H](C#N)c2cccc(c2)Oc3ccccc3)C=C(Cl)Cl)C	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966			Pyrethroid sodium channel modulation
d-trans-.beta.cypermethrin	66841-24-5	CC1([C@@H]([C@H]1C(=O)O[C@@H](C#N)c2cccc(c2)Oc3ccccc3)C=C(Cl)Cl)C	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966			Pyrethroid sodium channel modulation

ru 28000	72204-43-4	CC1([C@@H]([C@@H]1C(=O)O[C@H](C#N)c2cccc(c2)Oc3ccccc3)C=C(Cl)Cl)C	2.0519	2.4736	0.0007	1.1142	2.9733	416.2966			Pyrethroid sodium channel modulation
protrifenbute	119544-94-4	c1ccc(cc1)Oc2cc(ccc2F)CCCC(c3ccc(cc3)Cl)C4CC4	2.0557	1.7898	0	0.5447	3.0084	394.9086			Pyrethroid sodium channel modulation
fenpirithrin	68523-18-2	CC1(C(C1C(=O)OC(C#N)c2cccc(n2)Oc3ccccc3)C=C(Cl)Cl)C	2.0955	2.6036	0.0007	1.3982	2.9322	417.2847			Pyrethroid sodium channel modulation
cyano-(4-phenoxyphenyl)methyl] 2-(4-chlorophenyl)-3-methyl-butanoate	66827-38-1	CC(C)C(c1ccc(cc1)Cl)C(=O)OC(C#N)c2ccc(cc2)Oc3ccccc3	2.2044	2.6593	0.0007	1.1022	3.1876	419.8998			Pyrethroid sodium channel modulation
brofenvalerate	65295-49-0	CC(C)C(c1ccc(cc1)Cl)C(=O)OC(C#N)c2cccc(c2)Oc3ccc(cc3)Br	2.5387	2.8524	0.0007	1.0892	3.3626	498.7959			Pyrethroid sodium channel modulation
tetramethrin [(1r)-trans isomer]	1166-46-7							331.42		-5.656	Pyrethroid sodium channel modulation
d-cis-trans allethrin	137-98-4										Pyrethroid sodium channel modulation
dimefluthrin	271241-14-6										Pyrethroid sodium channel modulation
empenthrin [(ez)-(1r)- isomers]	303021-82-1										Pyrethroid sodium channel modulation
pyrethrins (pyrethrum)	39668-02-5										Pyrethroid sodium channel modulation
bromethrin	42789-03-7										Pyrethroid sodium channel modulation
chlorempenthrin	54407-47-5										Pyrethroid sodium channel modulation
(-)-trans-permethrin	54774-47-9										Pyrethroid sodium channel modulation
pyrethrum marc	68648-44-2										Pyrethroid sodium channel modulation
pentmethrin	79302-84-4										Pyrethroid sodium channel modulation
bifenthrin, trans	83322-02-5										Pyrethroid sodium channel modulation
flubendiamide	272451-65-7	CC1=CC(=CC=C1NC(=O)C1=CC=CC(I)=C1C(=O)NC(C)(C)CS(C)(=O)=O)C(F)(C(F)(F)F)C(F)(F)F	2.105	3.1601	0.6639	1.8722	3.7674	682.3912		-8.166	Ryanodine receptor modulation
chlorantraniliprole	500008-45-7	CC1=C(C(=CC(=C1)Cl)C(=O)NC)NC(=O)C2=CC(=NN2C3=C(C=CC=N3)Cl)Br	3.443	3.7507	0.671	1.85	2.9252	483.1457			Ryanodine receptor modulation

cyantraniliprole	736994-63-1	CC1=CC(=CC(=C1NC(=O)C2=CC(=NN2C3=C(C=CC=N3)Cl)Br)C(=O)NC)C#N	3.4643	4.122	0.671	2.0079	2.9575	473.7104			Ryanodine receptor modulation
(±)-indoxacarb	144171-61-9	Clc1ccc2C3=NN(C(=O)N(C(=O)OC)c4ccc(OC(F)(F)F)cc4)COC3(C(=O)OC)Cc2c1	2.193	2.4057	0	1.9354	3.2295	527.8343	4.65	-7.018	Sodium channel blocking
indoxacarb	173584-44-6	Clc1ccc2C3=NN(C(=O)N(C(=O)OC)c4ccc(OC(F)(F)F)cc4)COC3(C(=O)OC)Cc2c1	2.193	2.4057	0	1.9354	3.2295	527.8343	4.65	-7.018	Sodium channel blocking
metaflumizone	139968-49-3	FC(F)(F)OC1=CC=C(NC(=O)NN=C(CC2=CC=C(C=C2)C#N)C2=CC=CC(=C2)C(F)(F)F)C=C1	1.8514	2.4909	0.5146	1.2469	3.2276	506.4			Sodium channel blocking
strychnine hydriodide	52748-69-3	O=C6N(C5=C4C=CC=C5)C1C4(CC7)C3N7(I)(H)CC2=CCOC(C6)C1C2C3							0.33	-4.161	Strychnine
strychnine	57-24-9	O=C(N(c(c(C1(C(N(C2)CC(C3C4C5OC6)=C6)C3)C2)ccc7)c7)C14)C5	2.6241	1.9864	0	1.6846	2.4093	334.4117	1.93	-3.287	Strychnine
strychnine hydrochloride	1421-86-9										Strychnine
strychnine sulfate	60-41-3										Strychnine
ethidimuron	30043-49-3	CCS(=O)(=O)c1nnc(N(C)C(=O)NC)s1	1.2912	2.6137	0.161	1.4573	1.7596	264.3273	-0.22	-2.251	Uncoupling oxidative phosphorylation
bromoxynil potassium salt	2961-68-4	Brc1cc(C#N)cc(Br)c1O(K)						315.01	0.15	-1.893	Uncoupling oxidative phosphorylation
2-hydroxyethylmethacrylate	868-77-9	CC(=C)C(=O)OCCO	0.4055	0.7992	0.2277	0.8075	1.0441	130.1418	0.47	-0.043	Uncoupling oxidative phosphorylation
2,6-pyridicarboxylic acid	499-83-2	O=C(O)c(nc(cc1)C(=O)O)c1	0.9858	1.5883	1.1431	1.0554	1.1059	167.1189	0.57	-0.905	Uncoupling oxidative phosphorylation
ioxynil sodium	2961-62-8	O(Na)c1c(I)cc(C(#N))cc1I						392.9	0.71	-2.934	Uncoupling oxidative phosphorylation
picric acid	88-89-1	N(=O)(=O)c(cc(N(=O)(=O))c(O)c1N(=O)(=O))c1	1.4285	2.22	0.0244	0.4589	1.2977	229.104	1.44	-2.008	Uncoupling oxidative phosphorylation
2,4-dinitrophenol	51-28-5	N(=O)(=O)c(ccc(O)c1N(=O)(=O))c1	1.2246	1.8071	0.2827	0.4503	1.1235	184.11	1.67	-1.97	Uncoupling oxidative phosphorylation
2,3-dinitrophenol	66-56-8	Oc1cccc(N(=O)=O)c1N(=O)=O	1.2246	1.8071	0.3024	0.4503	1.1235	184.1064	1.73	-2.321	Uncoupling oxidative phosphorylation
3,4-dinitrophenol	577-71-9	Oc1ccc(N(=O)=O)c(c1)N(=O)=O	1.323	2.0427	0.861	0.5828	1.1235	184.1064	1.73	-1.438	Uncoupling oxidative phosphorylation
2,5-dinitrophenol	329-71-5	Oc1cc(ccc1N(=O)=O)N(=O)=O	1.2246	1.8071	0.3024	0.4503	1.1235	184.11	1.75	-2.039	Uncoupling oxidative phosphorylation

2,4-dinitroaniline	97-02-9	N(=O)(=O)c(ccc(N)c1N(=O)(=O))c1	1.4326	2.0121	0.2337	0.58	1.1646	183.12	1.84	-2.105	Uncoupling oxidative phosphorylation
3,5-dinitroaniline	618-87-1	Nc1cc(cc(c1)N(=O)=O)N(=O)=O	1.3981	2.2213	0.3471	0.6243	1.1646	183.1217	1.89	-2.151	Uncoupling oxidative phosphorylation
2,6-dinitrophenol	573-56-8	Oc1c(cccc1N(=O)=O)N(=O)=O	1.1589	1.65	0	0.3619	1.1235	184.11	1.91	-1.714	Uncoupling oxidative phosphorylation
4-chloro-2,6-dinitroaniline	5388-62-5	O=N(=O)c(c(N)c(N(=O)=O)cc1Cl)c1	1.6046	1.9978	0.2038	0.5403	1.287	217.5665	1.93	-2.439	Uncoupling oxidative phosphorylation
4,6-dinitro-o-cresol	534-52-1	N(=O)(=O)c(cc(N(=O)(=O))c(O)c1C)c1	1.2489	1.7495	0.2827	0.4509	1.2644	198.14	2.12	-2.465	Uncoupling oxidative phosphorylation
2,3,4,5,6-pentafluoroaniline	771-60-8	Fc(c(N)c(F)c(F)c1F)c1F	0.2936	0.974	0.3867	0.151	0.9042	183.08	2.22	-2.311	Uncoupling oxidative phosphorylation
2,6-dinitro-4-cresol	609-93-8	N(=O)(=O)c(c(O)c(N(=O)(=O))cc1C)c1	1.1833	1.5924	0	0.3626	1.2644	198.133	2.27	-2.588	Uncoupling oxidative phosphorylation
2,3,5,6-tetrafluorophenol	769-39-1	Oc1c(F)c(F)cc(F)c1F	0.3177	0.8011	0.7853	0.1497	0.8455	166.0731	2.31	-1.81	Uncoupling oxidative phosphorylation
6-chloro-2,4-dinitrophenol	946-31-6	Clc(cc(c1)N(=O)=O)c(O)c1N(=O)=O	1.2856	1.7416	0.1144	0.3582	1.2459	218.5512	2.37	-2.819	Uncoupling oxidative phosphorylation
2,2'-dihydroxybiphenyl	1806-29-7	Oc(c(c(c(O)ccc1)c1)ccc2)c2	1.8417	1.5837	0.9981	0.7591	1.4416	186.2066	2.8	-2.368	Uncoupling oxidative phosphorylation
2,6-dichloro-4-nitrophenol	618-80-4	O=N(=O)c(cc(c(O)c1Cl)Cl)c1	1.1984	1.4007	0.4177	0.2903	1.1941	207.9984	2.94	-2.649	Uncoupling oxidative phosphorylation
dbmib	29096-93-3	C1(=O)C(C(C)C)=C(Br)C(=O)C(C)=C1Br	1.4258	0.652	0	0.859	1.7044	321.9932	3.04	-4.142	Uncoupling oxidative phosphorylation
m-cccp***	555-60-2	N#CC(=NNc(cccc1Cl)c1)C#N	1.4375	1.9466	0.1986	0.8489	1.4457	204.6157	3.15	-3.58	Uncoupling oxidative phosphorylation
2,4-dichloro-6-nitrophenol	609-89-2	Oc1c(Cl)cc(Cl)cc1N(=O)=O	1.147	1.269	0.1144	0.1921	1.1941	207.9984	3.2	-3.449	Uncoupling oxidative phosphorylation
pentafluorophenol	771-61-9	Fc(c(F)c(O)c(F)c1F)c1F	0.2185	0.7955	0.9564	0.1095	0.8631	184.0636	3.23	-2.722	Uncoupling oxidative phosphorylation
2,4-dichloro-6-nitroaniline	2683-43-4	Nc1c(Cl)cc(Cl)cc1N(=O)=O	1.4209	1.622	0.2337	0.401	1.2352	207.0136	3.31	-3.536	Uncoupling oxidative phosphorylation
bromoxynil	1689-84-5	Oc1c(Br)cc(C#N)cc1Br	1.4673	1.4769	0.4177	0.3386	1.2798	276.9129	3.39	-3.8	Uncoupling oxidative phosphorylation
ioxynil	1689-83-4	Oc1c(I)cc(C#N)cc1I	2.0796	1.6049	0.4177	0.3809	1.4462	370.9138	3.43	-4.518	Uncoupling oxidative phosphorylation
ioxynil lithium	2961-61-7	Oc1c(I)cc(C#N)cc1I	2.0796	1.6049	0.4177	0.3809	1.4462	370.9138	3.43	-4.518	Uncoupling oxidative phosphorylation
3,4,5-trichlorophenol	609-19-8	c1c(cc(c(c1Cl)Cl)Cl)O	1.1483	1.1433	0.9564	0.2148	1.1423	197.4455	3.45	-3.486	Uncoupling oxidative phosphorylation
phenylbutazone	50-33-9	O=C(N(N(C1(=O))c(cccc2)c2)c(cccc3)c3)C1CCCC	2.1456	2.4486	0	1.6254	2.4329	308.3744	3.52	-4.148	Uncoupling oxidative phosphorylation
pentachloropyridine	2176-62-7	n(c(c(c(c1Cl)Cl)Cl)Cl)c1Cl	1.2426	1.2564	0	0.1991	1.2873	251.33	3.53	-4.048	Uncoupling oxidative phosphorylation
2,6-dibromo-4-nitrophenol	99-28-5	O=N(=O)c(cc(c(O)c1Br)Br)c1	1.5643	1.5645	0.4177	0.2907	1.2993	296.901	3.57	-3.834	Uncoupling oxidative phosphorylation
4-phenylazophenol	1689-82-3	Oc(ccc(N=Nc(cccc1)c1)c2)c2	1.6164	1.0988	0.499	0.675	1.5395	198.2207	3.63	-3.6	Uncoupling oxidative phosphorylation

dinoseb	88-85-7	N(=O)(=O)c(cc(N(=O)(=O))c(O)c1C(CC)C)c1	1.2533	1.7468	0.2827	0.4878	1.6871	240.22	3.69	-3.993	Uncoupling oxidative phosphorylation
fluorodifen	15457-05-3	O=N(=O)c(c(Oc(ccc(N(=O)=O)c1)c1)ccc2C(F)(F)F)c2	1.3957	2.1612	0	0.4938	1.925	328.2004	3.81	-5.1	Uncoupling oxidative phosphorylation
2-methoxytetrachlorophenol	2539-17-5	COc1c(O)c(Cl)c(Cl)c(Cl)c1Cl	1.1174	1.1717	0.5636	0.0296	1.4643	261.9163	3.92	-5.031	Uncoupling oxidative phosphorylation
dinitramine	29091-05-2	CCN(CC)c1c(cc(c(N)c1N(=O)=O)C(F)(F)F)N(=O)=O	1.3078	1.9999	0.2337	0.7608	2.0217	322.2407	3.96	-5.222	Uncoupling oxidative phosphorylation
fluazinam	79622-59-6	n1cc(C(F)(F)F)cc(Cl)c1Nc2c(N(=O)(=O))c(Cl)c(C(F)(F)F)cc2N(=O)(=O)	1.6113	1.9706	0.2191	0.4237	2.3635	465.0912	4.01	-6.014	Uncoupling oxidative phosphorylation
2,3,5,6-tetrachloroaniline	3481-20-7	Nc1c(Cl)c(Cl)cc(Cl)c1Cl	1.3134	1.4242	0.3299	0.1672	1.3058	230.91	4.1	-4.386	Uncoupling oxidative phosphorylation
dinosam	4097-36-3	Oc(c(cc1N(=O)=O)N(=O)=O)c(c1)C(C)CCC	1.2516	1.7511	0.2827	0.4909	1.828	254.2393	4.16	-4.611	Uncoupling oxidative phosphorylation
2,3,4,5-tetrachlorophenol	4901-51-3	Oc1cc(Cl)c(Cl)c(Cl)c1Cl	1.1827	1.0965	0.7881	0.0516	1.2647	231.89	4.21	-3.908	Uncoupling oxidative phosphorylation
2,6-diiodo-4-nitrophenol	305-85-1	O=N(=O)c(cc(c(O)c1I)I)c1	2.1765	1.6925	0.4177	0.3331	1.4657	390.9019	4.24	-5.093	Uncoupling oxidative phosphorylation
tetrachlorocatechol	1198-55-6	Oc(c(c(c(c1Cl)Cl)Cl)Cl)c1O	1.2153	1.1375	1.3517	0.0112	1.3234	247.89	4.29	-4.092	Uncoupling oxidative phosphorylation
2,3,5,6-tetrachlorophenol	935-95-5	c1c(c(c(c(c1Cl)Cl)O)Cl)Cl	1.1395	1.0237	0.5327	0.007	1.2647	231.8903	4.45	-3.626	Uncoupling oxidative phosphorylation
2,3,4,6-tetrachlorophenol	58-90-2	Oc(c(cc(c1Cl)Cl)Cl)c1Cl	1.1701	1.0362	0.6085	0.068	1.2647	231.89	4.45	-4.112	Uncoupling oxidative phosphorylation
binapacryl	485-31-4	CCC(C)c1cc(cc(N(=O)=O)c1OC(=O)C=C(C)C)N(=O)=O	1.3403	2.1691	0	0.7666	2.3643	322.3133	4.49	-5.772	Uncoupling oxidative phosphorylation
dinex	131-89-5	Oc1c(C2CCCCC2)cc(N(=O)(=O))cc1N(=O)(=O)	1.4609	1.8425	0.2827	0.4704	1.8603	266.25	4.54	-4.661	Uncoupling oxidative phosphorylation
niclosamide	50-65-7	c1cc(c(cc1[N+](=O)[O-])Cl)NC(=O)c2cc(ccc2O)Cl	2.1747	2.6728	0.7694	0.7767	2.0583	327.1191	4.56	-5.288	Uncoupling oxidative phosphorylation
ttfp	2338-29-6	FC(F)(F)C1=Nc2c(Cl)c(Cl)c(Cl)c(Cl)c2N1	1.5115	1.469	0.3454	0.297	1.5886	323.913	4.78	-5.64	Uncoupling oxidative phosphorylation
pentachlorophenol	87-86-5	Oc(c(c(c(c1Cl)Cl)Cl)Cl)c1Cl	1.2704	1.1293	0.7039	0	1.3871	266.34	5.12	-4.935	Uncoupling oxidative phosphorylation
flufenamic acid	530-78-9	OC(=O)c1ccccc1Nc2cc(C(F)(F)F)ccc2	1.2637	1.356	0.7183	0.5855	1.833	281.2299	5.15	-5.735	Uncoupling oxidative phosphorylation
3,4,5,6-tetrabromo-2-cresol	576-55-6	Oc(c(c(c(c1Br)Br)Br)C)c1Br	1.9389	1.3664	0.7881	0.0531	1.616	423.7221	5.62	-6.508	Uncoupling oxidative phosphorylation

pentabromophenol	608-71-9	Oc(c(c(c(c1Br)Br)Br)Br)c1Br	2.1852	1.5387	0.7039	0	1.6501	488.59	5.74	-7.273	Uncoupling oxidative phosphorylation
ioxynil octanoate	3861-47-0	CCCCCCCC(=O)Oc1c(I)cc(C#N)cc1I	2.0268	1.9848	0	0.5757	2.5891	497.11	6.42	-8.569	Uncoupling oxidative phosphorylation
sulfluramid	4151-50-2	O=S(=O)(NCC)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-0.7615	-0.0259	0.3651	0.7246	2.1975	527.199	6.76	-8.814	Uncoupling oxidative phosphorylation
bromethalin	63333-35-7	C(F)(F)(F)c1cc(N(=O)=O)cc(N(=O)=O)c1N(C)c2c(Br)cc(Br)cc2Br	2.5257	2.8336	0	0.433	2.632	577.9304	7.68	-9.974	Uncoupling oxidative phosphorylation
4-bromo-2-fluoro-6-nitrophenol	320-76-3	c1c(cc(c(c1[N+](=O)[O-])O)F)Br	1.1657	1.3877	0.2827	0.2774	1.1419	235.9954			Uncoupling oxidative phosphorylation
dinoprop	7257-41-2	Cc1c(cc(c(c1C(C)C)O)[N+](=O)[O-])[N+](=O)[O-]	1.2795	1.6848	0.2827	0.4854	1.6871	240.2128			Uncoupling oxidative phosphorylation
dnoc	497-56-3	[O-][N+](=O)c1cc(O)c(c([N+]([O-])=O)c1)C	1.3474	1.9852	0.833	0.5835	1.2644	198.133		-2.008	Uncoupling oxidative phosphorylation
chlorfenapyr	122453-73-0	CCOCN1C(=C(C#N)C(Br)=C1C(F)(F)F)C1=CC=C(Cl)C=C1	1.693	1.8275	0	0.5863	2.3124	407.6126		-6.561	Uncoupling oxidative phosphorylation

Table A.1.2. Part 2 of the database includes CAS number, associated references, Broad and Specific MoA labels from each reference.

CAS	Sequential References	Ref 1 - Br MoA	Ref 1 - Sp MoA	Ref 2 - Br MoA	Ref 2 - Sp MoA	Ref 3 - Br MoA	Ref 3 - Sp MoA	Ref 4 - Br MoA	Ref 4 - Sp MoA	Ref 5 - Br MoA	Ref 5 - Sp MoA
107-13-1	Barron(2015) Martin(2015)	Reactivity	Acrylate	Reactivity							
2439-35-2	Barron(2015) Martin(2015)	Reactivity	Acrylate	Reactivity							
140-88-5	Barron(2015) Nendza(2006) Ren(2002)	Reactivity	Acrylate	Thiol alkylating agents		Electro-philicity					
96-05-9	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Acrylate	Reactivity		Reactivity		Electro-philicity			
106-63-8	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Acrylate	Reactivity		Reactivity		Electro-philicity			
3066-71-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Acrylate	Reactivity		Reactivity		Electro-philicity			
124-87-8	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
1005-93-2	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
51486-74-9	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
115-29-7	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism	Neuro-toxicity	Alicyclic GABA antagonism				
1031-07-8	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
58-89-9	Barron(2015) EAT (1998)	Neurotoxicity	Alicyclic GABA antagonism	Specifically acting chemicals							
319-85-7	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
319-84-6	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								

33213-65-9	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
959-98-8	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
4234-79-1	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
13366-73-9	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
319-86-8	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
608-73-1	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
6108-10-7	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
297-78-9	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
1024-57-3	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
72-20-8	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
60-57-1	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
27304-13-8	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
8001-35-2	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
14168-01-5	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
76-44-8	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
5103-71-9	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
1715-40-8	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						

12789-03-6	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
5103-74-2	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
309-00-2	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
465-73-6	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
2550-75-6	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
2385-85-5	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
3734-49-4	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
2227-17-0	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
3289-22-3	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
8001-50-1	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
17617-45-7	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
21416-53-5	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
57-74-9	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism	Neuro-toxicity	Alicyclic GABA antagonism				
224790-70-9	Barron(2015)	Neurotoxicity	Alicyclic GABA antagonism								
5230-87-5	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						
70636-86-1	Barron(2015) Martin(2015)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism						

110-65-6	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Reactivity		Pro-electro-philicity	
927-74-2	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Reactivity		Pro-electro-philicity	
107-19-7	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Reactivity		Pro-electro-philicity	
2117-11-5	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
2028-63-9	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
107-02-8	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity	Alkylation	Electro-philicity			
107-07-3	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Electro-philicity			
127-00-4	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Electro-philicity			
77-78-1	Barron(2015) Martin(2015) Nendza(2006)	Reactivity	Alkylation	Reactivity		Reactivity	Alkylation	Electro-philicity			
764-01-2	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Reactivity		Pro-electro-philicity	
107-18-6	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
924-41-4	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Pro-electro-philicity			
7383-19-9	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
96-09-3	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							

66952-49-6	Barron(2015) Martin(2015)	Reactivity	Alkylation	Non-AChE inhibition	Non-Carbamate						
481-39-0	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
6203-18-5	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Electro-philicity			
818-72-4	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
58-27-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Electro-philicity			
542-75-6	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
1871-57-4	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
100-42-5	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
513-81-5	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
622-97-9	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
54423-67-5	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
1484-13-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Electro-philicity			
87-68-3	Barron(2015) Martin(2015) Nendza(2006)	Reactivity	Alkylation	Reactivity		Reactivity					
1746-23-2	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
1647-16-1	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Alkylation	Reactivity		Reactivity					
58138-08-2	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
2834-00-6	Barron(2015) Martin(2015)	Reactivity	Alkylation	Reactivity							
109-76-2	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Amine				

78-90-0	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Amine		
107-10-8	Ren(2002)	Narcosis	Amine								
109-73-9	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Amine				
598-74-3	Ren(2002)	Narcosis	Amine								
110-58-7	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Amine				
111-26-2	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Amine				
111-68-2	Ren(2002)	Narcosis	Amine								
111-86-4	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Amine				
112-20-9	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Amine				
2016-57-1	Ren(2002)	Narcosis	Amine								
7307-55-3	Ren(2002)	Narcosis	Amine								
129-06-6	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
2610-86-8	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
34490-93-2	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
91-64-5	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
117-52-2	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
81-81-2	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						

83-26-1	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
83-28-3	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
42721-99-3	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
5836-29-3	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
82-66-6	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
3691-35-8	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
28772-56-7	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
56073-07-5	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
56073-10-0	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
90035-08-8	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
104653-34-1	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
53404-72-1	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
6120-20-3	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								

53404-57-2	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
81-82-3	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
1786-03-4	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
3691-36-9	Barron(2015) Martin(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism						
23710-76-1	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation								
7784-46-5	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
7778-39-4	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
1303-28-2	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
1327-53-3	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								

75-60-5	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
10103-50-1	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
10124-50-2	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
10290-12-7	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
12044-79-0	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
12344-68-2	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								

1327-31-7	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
13462-93-6	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
13462-94-7	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
13464-35-2	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
13464-38-5	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
13464-42-1	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								

53404-17-4	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
58829-95-1	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
7778-44-1	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Arsenical respiratory inhibition								
34681-23-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
598-55-0	PAN online database	AChE inhibition	Carbamate								
23422-53-9	Barron(2015)	AChE inhibition	Carbamate								
1646-88-4	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
25171-63-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
644-64-4	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
10309-97-4	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
17702-57-7	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
16752-77-5	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
6988-21-2	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
7122-04-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
15271-41-7	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						

116-06-3	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
3279-46-7	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
57-47-6	Nendza(2006)	AChE inhibition	Carbamate								
51487-69-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
62732-91-6	PAN online database	AChE inhibition	Carbamate								
114-26-1	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
3942-54-9	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2532-49-2	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
119-38-0	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
122-15-6	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
1563-67-3	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2032-59-9	Barron(2015) Martin(2015) Nendza(2006)	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate				
87-47-8	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2941-55-1	PAN online database	AChE inhibition	Carbamate								
2425-10-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
1079-33-0	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
1563-66-2	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
63-25-2	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
112143-82-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
3566-00-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2655-15-4	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						

315-18-4	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
64-00-6	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
671-04-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2686-99-9	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
26419-73-8	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
3766-81-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
1136-84-1	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2032-65-7	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
2328-31-6	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
62046-37-1	Barron(2015)	AChE inhibition	Carbamate								
2631-37-0	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
30087-47-9	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
12407-86-2	Barron(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition							
83130-01-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
2282-34-0	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
672-04-8	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
8065-36-9	Barron(2015)	AChE inhibition	Carbamate								
330-64-3	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
34264-24-9	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
6392-46-7	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
2655-19-8	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
55285-14-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					

23135-22-0	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition			
29672-19-3	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
39196-18-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
34681-10-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
1129-41-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
2631-40-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
2655-14-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
3282-00-6	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
22781-23-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
10389-50-1	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
56716-21-3	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
831-76-5	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
22259-30-9	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
29973-13-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
18809-57-9	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
23103-98-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
10233-94-0	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
82560-54-1	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
65907-30-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					

59669-26-0	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Carbamate	AChE inhibition	Carbamate	AChE inhibition					
29118-87-4	Barron(2015)	AChE inhibition	Carbamate								
40085-57-2	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
8063-85-2	Barron(2015) Martin(2015)	AChE inhibition	Carbamate	AChE inhibition	Carbamate						
75-07-0	Barron(2015) Martin(2015)	Reactivity	Carbonyl	Reactivity							
100-73-2	Barron(2015) Martin(2015)	Reactivity	Carbonyl	Reactivity							
123-54-6	Barron(2015) Martin(2015) Ren(2002)	Reactivity	Carbonyl	Reactivity		Electro-philicity					
123-38-6	Barron(2015) Martin(2015)	Reactivity	Carbonyl	Reactivity							
50-00-0	Barron(2015) Nendza(2006)	Reactivity	Carbonyl	Thiol alkylating agents							
98-01-1	Barron(2015) Martin(2015)	Reactivity	Carbonyl	Reactivity							
100-52-7	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Carbonyl	Reactivity		Reactivity		Electro-philicity			
555-16-8	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Carbonyl	Reactivity		Reactivity	Alkylation	Electro-philicity			
123-15-9	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Carbonyl	Reactivity		Reactivity		Electro-philicity			
158062-67-0	IRAC online database	Neurotoxicity	Chordotonal organ modulators - undefined target site								
337458-27-2	IRAC online database	Neurotoxicity	Chordotonal organ TRPV channel modulators								
7778-50-9	Barron(2015)	Reactivity	Chromate								
7738-94-5	Barron(2015)	Reactivity	Chromate								
10588-01-9	Barron(2015)	Reactivity	Chromate								

11141-17-6	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
7361-43-5	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
179101-81-6	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
9104-30-1	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
18181-80-1	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
1344-81-6	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
7704-34-9	IRAC online database	Compounds of unknown or uncertain MOA	Compounds of unknown or uncertain MOA								
111-42-2	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Nucleophilicity					
67-68-5	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar				
79-06-1	Barron(2015) Martin(2015) Ren(2002)	Reactivity	Alkylation	Reactivity		Narcosis	Nonpolar				
75-05-8	Barron(2015) Martin(2015) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis	Nonpolar		
818-61-1	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Acrylate	Reactivity		Thiol alkylating agents		Electro-philicity			
123312-89-0	Barron(2015) IRAC online database	Narcosis	Nonpolar			Neuro-toxicity	Chord-otonal organ TRPV channel modulators				

100-37-8	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Nucleophilicity			
693-98-1	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Narcosis	Nonpolar		
115-19-5	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Reactivity		Narcosis	Nonpolar				
999-61-1	Barron(2015) Martin(2015) McKim(1987) Ren(2002)	Reactivity	Acrylate	Reactivity		Un-coupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphorylation	Electro-philicity			
109-75-1	Nendza(2006) Ren(2002)	Narcosis	Polar	Electro-philicity							
15128-82-2	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Electro-philicity							
108-46-3	Schuurmann(2003) Ren&Schultz(2002) Ren(2003) Ren(2002)	Narcosis	Polar	Reactivity		Narcosis	Polar	Narcosis	Polar		
619-80-7	Barron(2015) Martin(2015) Nendza(2006) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Electro-philicity	
120-80-9	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Reactivity		Pro-electro-philicity	
96-13-9	EAT (1998) Ren(2002)	Narcosis	Nonpolar	Electro-philicity							
119-34-6	Barron(2015) Martin(2015) Broderius(1995) Schuurmann(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Soft elec-trophiles		Electro-philicity	
5600-21-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Polar		
4798-44-1	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Reactivity		Narcosis	Nonpolar

108-99-6	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar				
108-89-4	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar		
590-86-3	Barron(2015) Martin(2015) McKim(1987) Ren(2002)	Reactivity	Carbonyl	Reactivity		Un-coupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl ation	Narcosis	Ester		
70-69-9	Barron(2015) Martin(2015) Russom(1996)	Iono/Osmo-regulatory/-Circulatory impairment	Methemoglob inemia	Iono/Osmo-regulatory/-Circulatory impairment	Methemoglob inemia	Narcosis	Nonpolar				
110-62-3	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Reactivity	Carbonyl	Reactivity		Narcosis	Polar	Electro-philicity			
100-01-6	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Reactivity			
50-06-6	Barron(2015) Martin(2015) Russom(1996)	Neurotoxicity		Neurotoxicity		Narcosis	Nonpolar				
928-96-1	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Reactivity		Narcosis	Nonpolar				
2370-63-0	Russom(1996) Ren(2002)	Narcosis	Ester	Electro-philicity							
99-65-0	Nendza(2006) Ren(2003)	Photosyn-thesis inhibition		Narcosis	Nonpolar						
115-20-8	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Electro-philicity			
100-61-8	Barron(2015) Martin(2015) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Polar		
127-66-2	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Reactivity		Narcosis	Nonpolar				
21087-64-9	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photosyn-thesis inhibition					

540-88-5	Nendza(2006) Ren(2002)	Narcosis	Nonpolar	Narcosis	Ester						
66-25-1	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Carbonyl	Reactivity		Reactivity		Narcosis	Ester		
90-02-8	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren(2002)	Reactivity	Carbonyl	Reactivity		Reactivity	Alkylation	Narcosis	Polar		
106-47-8	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002) Ren(2003)	Narcosis	Polar	Narcosis	Polar	Un-coupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl ation	Narcosis		Narcosis	Polar
98-95-3	Ren&Schultz(2002) Ren(2003) Ren(2002)	Reactivity		Narcosis	Nonpolar	Narcosis	Nonpolar				
51235-04-2	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photosynth esis inhibition					
94-09-7	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Nonpolar	Narcosis	Polar		
18368-63-3	McKim(1987) Ren(2002)	AChE inhibition		Narcosis	Nonpolar						
95-51-2	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Un-coupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl ation	Narcosis		Narcosis	Polar
14548-46-0	McKim(1987) Ren(2002)	AChE inhibition		Narcosis	Nonpolar						
91-22-5	Barron(2015) Martin(2015) Ren(2002)	Reactivity		Reactivity		Narcosis	Nonpolar				

66-76-2	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Iono/Osmo-regulatory/-Circulatory impairment	Anti-coagulation	Anti-coagulation	Anti-coagulation-Vitamin K antagonism	Un-coupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl ation	Narcosis	Polar		
314-40-9	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photosyn-thesis inhibition					
4655-34-9	Russom(1996) Ren(2002)	Narcosis	Ester	Electro-philicity							
88-73-3	Nendza(2006) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Reactivity		Electro-philicity					
99-08-1	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Reactivity		Narcosis	Nonpolar		
616-86-4	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Reactivity		Narcosis	Polar				
271-89-6	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Narcosis	Nonpolar		
760-23-6	Barron(2015) Martin(2015) Nendza(2006)	Reactivity	Alkylation	Reactivity		Narcosis	Polar				
83-34-1	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Narcosis	Nonpolar		
1912-24-9	Barron(2015) Martin(2015) Nendza(2006)	Narcosis		Narcosis	Nonpolar	Photosyn-thesis inhibition					
393-39-5	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Narcosis		Narcosis	Polar				
872-31-1	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Reactivity	Alkylation	Reactivity		Reactivity		Narcosis	Nonpolar		
330-54-1	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photosyn-thesis inhibition					
133-07-3	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Thiol alkylating agents					

1126-46-1	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Polar	Narcosis	Nonpolar		
133-11-9	Barron(2015) Martin(2015) McKim(1987) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis		Narcosis	Polar		
2495-37-6	Russom(1996) Ren(2002)	Narcosis	Ester	Electro-philicity							
88-30-2	Barron(2015) Martin(2015) Russom(1996) Broderius(1995)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphorylation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphorylation	Narcosis	Polar	Narcosis	Polar		
90-43-7	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis	Polar		
24544-04-5	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis	Polar		
13181-17-4	Barron(2015) Martin(2015) Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Photosyn-thesis inhibition					
80-05-7	EAT (1998) Nendza(2006)	Estrogenic compounds		Narcosis	Polar						
634-67-3	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis		Narcosis	Polar
13684-56-5	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate	Photosyn-thesis inhibition					
13608-87-2	EAT (1998) Ren(2002)	Reactivity		Narcosis	Nonpolar						

1420-07-1	Barron(2015) Martin(2015) Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Photos-ynthesis inhibition					
39905-57-2	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis		Narcosis	Polar
95-95-4	Barron(2015) Escher(2001) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors		Narcosis	Polar				
86-74-8	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Polar				
831-82-3	Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Narcosis		Narcosis	Polar				
629-19-6	Barron(2015) Martin(2015) Nendza(2006)	Reactivity		Reactivity		Narcosis	Nonpolar				
620-88-2	Nendza(2006) EAT (1998) Ren(2002)	Narcosis	Polar	Nonpolar		Narcosis	Nonpolar				
80-46-6	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis		Narcosis	Polar
126-73-8	Nendza(2006) EAT (1998) Ren(2003)	Narcosis	Polar	Specifically acting chemicals		Narcosis	Nonpolar				
84-69-5	EAT (1998) Ren(2002)	Reactivity		Narcosis	Ester						
72490-01-8	Barron(2015) IRAC online database	Narcosis	Nonpolar			Estrogenic compounds	Juvenile hormone mimics				
65195-55-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism	Neuro-toxicity	Glutamate gated chloride channel (GLUCL) allosteric modulators				

84-74-2	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Polar	Narcosis	Ester		
115-86-6	Barron(2015) Martin(2015) McKim(1987) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	AChE inhibition		Narcosis	Nonpolar		
1836-75-5	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photo-synthesis inhibition					
85-68-7	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Ester	Narcosis	Ester	Estrogenic compounds					
42874-03-3	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Photo-synthesis inhibition					
16245-79-7	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Polar		
51596-10-2	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism	Neuro-toxicity	Glutamate gated chloride channel (GLUCL) allosteric modulators				
143-50-0	Barron(2015) Martin(2015) Nendza(2006)	Neurotoxicity	Alicyclic GABA antagonism	Neurotoxicity	Alicyclic GABA antagonism	Estrogenic compounds					
40596-69-8	Barron(2015) IRAC online database	Narcosis				Estrogenic compounds	Juvenile hormone mimics				
95737-68-1	Barron(2015) IRAC online database	Narcosis	Nonpolar			Estrogenic compounds	Juvenile hormone mimics				
104-40-5	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Estrogenic compounds		Reactivity		Narcosis	Polar
153233-91-1	Barron(2015) IRAC online database	Narcosis	Nonpolar			Growth/-Develop-ment inhibition	Mite growth inhibitors				
67-64-1	Barron(2015) Martin(2015) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis	Nonpolar		
1918-02-1	Barron(2015) Martin(2015) EAT (1998)	Narcosis	Nonpolar	Narcosis	Nonpolar	Specific-ally acting chemicals					

111-15-9	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Ester	Narcosis	Ester	Narcosis	Nonpolar				
122-39-4	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Polar		
78-97-7	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
6317-18-6	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
10222-01-2	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
556-61-6	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
35691-65-7	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
57-06-7	Barron(2015) Martin(2015) Ren(2002)	Reactivity	Cyanate/-nitrile	Reactivity		Electro-philicity					
3347-22-6	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
1897-45-6	Barron(2015)	Reactivity	Cyanate/-nitrile								
21564-17-0	Barron(2015) Martin(2015)	Reactivity	Cyanate/-nitrile	Reactivity							
121-82-4	Barron(2015)	Reactivity	Di/trinitro-aromatic								
99-35-4	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
118-96-7	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
19044-88-3	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
973-21-7	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
33245-39-5	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
40487-42-1	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
55283-68-6	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
33629-47-9	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
1861-40-1	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
1582-09-8	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							
33820-53-0	Barron(2015) Martin(2015)	Reactivity	Di/trinitro-aromatic	Reactivity							

510-15-6	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
5836-10-2	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
80-06-8	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
72-43-5	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation	Neuro-toxicity	Diphenyl sodium channel modulation				
117-26-0	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
115-32-2	Barron(2015) Martin(2015) Russom(1996) IRAC online database	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation	CNS Seizure/-Stimulant		Com-pounds of unknown or uncertain MOA			
72-54-8	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
72-55-9	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
72-56-0	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
50-29-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation	Neuro-toxicity	Diphenyl sodium channel modulation				
2990-17-2	Barron(2015) Martin(2015)	Neurotoxicity	Diphenyl sodium channel modulation	Neurotoxicity	Diphenyl sodium channel modulation						
112410-23-8	Barron(2015) Martin(2015) IRAC online database	Reactivity		Reactivity		Growth/-Develop-ment inhibition	Ecdysone receptor agonists				

112226-61-6	IRAC online database	Growth/-Development inhibition	Ecdysone receptor agonists								
143807-66-3	IRAC online database	Growth/-Development inhibition	Ecdysone receptor agonists								
110-73-6	Ren(2002)	Narcosis	Ester								
79-20-9	Barron(2015) Martin(2015) Broderius(1995) Ren(2003) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Nonpolar	Narcosis	Ester	Narcosis	Ester
111-55-7	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
100784-20-1	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
141-78-6	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Ester				
105-53-3	Ren(2002)	Narcosis	Ester								
105-37-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
109-60-4	Nendza(2006) Ren(2002)	Narcosis	Polar	Narcosis	Ester						
3572-06-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
95266-40-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
57837-19-1	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
131-11-3	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Ester				
5292-45-5	Ren(2002)	Narcosis	Ester								
141-28-6	Ren(2002)	Narcosis	Ester								
2455-24-5	Russom(1996)	Narcosis	Ester								
123-86-4	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Ester				
136-45-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
134-20-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
86209-51-0	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
84-66-2	Barron(2015) Martin(2015) Ren(2003) Ren(2002)	Narcosis	Ester	Narcosis	Ester	Narcosis	Nonpolar	Narcosis	Ester		

131860-33-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
117337-19-6	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
93-89-0	Ren(2002)	Narcosis	Ester								
607-81-8	Ren(2002)	Narcosis	Ester								
123-66-0	Ren(2002)	Narcosis	Ester								
142-92-7	Ren(2002)	Narcosis	Ester								
118-61-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Ester	Narcosis	Ester	Narcosis	Ester				
105-99-7	Ren(2002)	Narcosis	Ester								
141-03-7	Ren(2002)	Narcosis	Ester								
38727-55-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
24141-52-4	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
94-11-1	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
118-55-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
110-40-7	Ren(2002)	Narcosis	Ester								
105512-06-9	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
3861-41-4	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
64700-56-7	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
1929-73-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
97-41-6	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
33878-50-1	Barron(2015)	Narcosis	Ester								
76578-14-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
94-80-4	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
141517-21-7	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
53404-31-2	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
81406-37-3	Barron(2015)	Narcosis	Ester								
66441-23-4	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						

51338-27-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
87546-18-7	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
3478-94-2	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
1689-99-2	Barron(2015)	Narcosis	Ester								
117718-60-2	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
143390-89-0	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
79270-78-3	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
283159-90-0	Barron(2015) Martin(2015)	Narcosis	Ester	Non-AChE inhibition	Non-Carbamate						
243973-20-8	Barron(2015) Martin(2015)	Narcosis	Ester	Narcosis	Ester						
439-14-5	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
65195-56-4	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
70288-86-7	Barron(2015)	Neurotoxicity	GABA agonism								
71827-03-7	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
117704-25-3	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
51596-11-3	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
113507-06-5	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
171249-05-1	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
165108-07-6	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
71751-41-2	Barron(2015)	Neurotoxicity	GABA agonism								
133305-88-1	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
155569-91-8	Barron(2015)	Neurotoxicity	GABA agonism								
70209-81-3	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
93074-04-5	Barron(2015) Martin(2015)	Neurotoxicity	GABA agonism	Neurotoxicity	GABA agonism						
1596-84-5	Barron(2015) Martin(2015)	Reactivity	Hydrazine	Reactivity							
57-14-7	Barron(2015) Martin(2015) Russom(1996)	Reactivity	Hydrazine	Reactivity		Reactivity					

60-34-4	Barron(2015) Martin(2015)	Reactivity	Hydrazine	Reactivity							
161050-58-4	Barron(2015) Martin(2015) IRAC online database	Reactivity	Hydrazine	Reactivity		Growth/-Develop-ment inhibition	Ecdysone receptor agonists				
283594-90-1	IRAC online database	Growth/-Development inhibition	Inhibitors of acetyl COA carboxylase								
148477-71-8	IRAC online database	Growth/-Development inhibition	Inhibitors of acetyl COA carboxylase								
203313-25-1	IRAC online database	Growth/-Development inhibition	Inhibitors of acetyl COA carboxylase								
201593-84-2	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
116714-46-6	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
121451-02-3	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
103055-07-8	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
86479-06-3	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
83121-18-0	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
64628-44-0	IRAC online database	Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0								
101463-69-8	IRAC online database	Growth/Development inhibition	Inhibitors of chitin biosynthesis, type 0								
71422-67-8	IRAC online database	Growth/Development inhibition	Inhibitors of chitin biosynthesis, type 0								

113036-88-7	IRAC online database	Growth/Development inhibition	Inhibitors of chitin biosynthesis, type 0								
9327-76-0	IRAC online database	Growth/Development inhibition	Inhibitors of chitin biosynthesis, type 1								
2312-35-8	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Inhibitors of mitochondrial ATP synthase								
41083-11-8	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Inhibitors of mitochondrial ATP synthase								
116-29-0	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Inhibitors of mitochondrial ATP synthase								
60-09-9	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Inhibitors of mitochondrial ATP synthase								
12684-28-5	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Inhibitors of mitochondrial ATP synthase								
35367-38-5	EAT (1998) IRAC online database	Specifically acting chemicals		Growth/-Development inhibition	Inhibitors of chitin biosynthesis, type 0						
1096-46-2	IRAC online database	Estrogenic compounds	Juvenile hormone mimics								
42588-37-4	IRAC online database	Estrogenic compounds	Juvenile hormone mimics								
7440-02-0	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7440-50-8	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								

7440-66-6	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7782-63-0	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7758-94-3	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7440-43-9	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7440-22-4	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7440-48-4	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7429-90-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7439-97-6	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7439-92-1	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
10025-91-9	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
10028-22-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
10034-96-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
12447-61-9	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								

16065-83-1	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
18540-29-9	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
7705-08-0	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Metallic iono/osmo-regulatory impairment								
6484-52-2	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Methemo-globinemia								
7632-00-0	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Methemo-globinemia								
7631-99-4	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Methemo-globinemia								
7757-79-1	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Methemo-globinemia								
10124-37-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Methemo-globinemia								
7775-19-1	EAT (1998) IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
10043-35-3	EAT (1998) IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
76-06-2	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
144-54-7	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								

12280-41-2	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
143-66-8	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
15096-52-3	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
2699-79-8	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
28300-74-5	IRAC online database	Miscell-aneous non-specific (or multi-site) inhibition	Miscell-aneous non-specific (multi-site) inhibitors								
78587-05-0	IRAC online database	Growth/-Development inhibition	Mite growth inhibitors								
162320-67-4	IRAC online database	Growth/-Development inhibition	Mite growth inhibitors								
74115-24-5	IRAC online database	Growth/-Development inhibition	Mite growth inhibitors								
83-79-4	Nendza(2006) IRAC online database	Respiratory inhibitors	Respiratory inhibitors	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors						
105779-78-0	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors								
111812-58-9	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors								

926914-55-8	IRAC online database	Oxidative Phosphorylation (Electron Transport)	Mitochondrial Complex II electron transport inhibitors								
400882-07-7	IRAC online database	Oxidative Phosphorylation (Electron Transport)	Mitochondrial Complex II electron transport inhibitors								
560121-52-0	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex II electron transport inhibitors								
229977-93-9	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial complex III Electron Transport inhibitors								
149877-41-8	Barron(2015) Martin(2015) IRAC online database	Reactivity		Reactivity		Oxidative Phosphory-lation (Electron Transport)	Mitochon-drial complex III Electron Transport inhibitors				
133708-36-8	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors								
115-78-6	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors								
51810-70-9	IRAC online database	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors								
20859-73-8	Barron(2015) IRAC online database	Reactivity	Phosphide	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors						
1305-99-3	Barron(2015) IRAC online database	Reactivity	Phosphide	Oxidative Phosphory-lation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors						

6215-27-8	IRAC online database	Growth/Development inhibition	Modulating Distruptor, dipteran								
165252-70-0	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
150824-47-8	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
138261-41-3	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
210880-92-5	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
153719-23-4	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
54-11-5	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
111988-49-9	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
135410-20-7	Barron(2015) Martin(2015)	Neurotoxicity	nAChR agonism	Neurotoxicity	nAChR agonism						
458-88-8	Barron(2015) Martin(2015)	Neurotoxicity		Neurotoxicity	nAChR Antagonism						
187166-40-1	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) allosteric modulators								
168316-95-8	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) allosteric modulators								
31895-21-3	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) channel blockers								
52207-48-4	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) channel blockers								
17606-31-4	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) channel blockers								

15263-52-2	IRAC online database	Nicotinic acetylcholine receptor (nAChR)	Nicotinic acetylcholine receptor (NACHR) channel blockers								
23564-05-8	Martin(2015)	Non-AChE inhibition	Non-Carbamate								
124-42-5	EAT (1998)	Narcosis	Nonpolar								
7681-52-9	EAT (1998)	Narcosis	Nonpolar								
1071-83-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophos-phate						
57-13-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1760-24-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-27-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
111-46-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
103-34-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
107-21-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
622-40-2	Russom(1996)	Narcosis	Nonpolar								
68-12-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
61-82-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
16079-88-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
57-55-6	EAT (1998)	Narcosis	Nonpolar								
1656-48-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-91-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-13-4	EAT (1998)	Narcosis	Nonpolar								
10108-86-8	EAT (1998)	Narcosis	Nonpolar								
67-56-1	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		

15845-66-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophos-phate						
7779-27-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
77-71-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-88-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
75-52-5	EAT (1998)	Narcosis	Nonpolar								
3848-24-6	EAT (1998)	Narcosis	Nonpolar								
123-42-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-80-5	EAT (1998)	Narcosis	Nonpolar								
123-91-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
22340-01-8	EAT (1998)	Narcosis	Nonpolar								
16672-87-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophos-phate						
64-17-5	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
64-19-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
59-97-2	Russom(1997)	Narcosis	Nonpolar								
51-79-6	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-90-0	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
107-11-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
55290-64-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
127-06-0	Ren(2002)	Narcosis	Nonpolar								
2859-67-8	Ren(2002)	Narcosis	Nonpolar								
107-12-0	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
96-23-1	Kipka(2009)	Narcosis	Nonpolar								

107-41-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
4412-91-3	EAT (1998)	Narcosis	Nonpolar								
78-93-3	Ren(2002)	Narcosis	Nonpolar								
79-09-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
67-63-0	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
88-68-6	Ren(2002)	Narcosis	Nonpolar								
71-73-8	Russom(1997)	Narcosis	Nonpolar								
71-23-8	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
7747-35-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
107-14-2	Ren(2002)	Narcosis	Nonpolar								
120-92-3	Kipka(2009)	Narcosis	Nonpolar								
109-99-9	EAT (1998) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar						
3002-24-2	EAT (1998)	Narcosis	Nonpolar								
14898-79-4	EAT (1998)	Narcosis	Nonpolar								
149-31-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
120-07-0	Russom(1996)	Narcosis	Nonpolar								
55-21-0	Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
82633-79-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
96-29-7	Ren(2002)	Narcosis	Nonpolar								
75-65-0	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
57-33-0	Russom(1997)	Narcosis	Nonpolar								
74-87-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

78-92-2	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
97-74-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
109-97-7	Ren(2002)	Narcosis	Nonpolar								
78-83-1	Barron(2015) Martin(2015) Nendza(2006) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
693-93-6	Russom(1996)	Narcosis	Nonpolar								
6948-86-3	Russom(1996)	Narcosis	Nonpolar								
85264-33-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
563-80-4	Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-76-2	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
932-16-1	Ren(2002)	Narcosis	Nonpolar								
96-41-3	Kipka(2009)	Narcosis	Nonpolar								
77-75-8	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
107-87-9	Ren(2002)	Narcosis	Nonpolar								
96-80-0	Russom(1996)	Narcosis	Nonpolar								
693-21-0	EAT (1998)	Narcosis	Nonpolar								
2008-58-4	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
79-46-9	EAT (1998)	Narcosis	Nonpolar								
87-90-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
71-36-3	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
96-22-0	Ren(2002)	Narcosis	Nonpolar								
2386-53-0	EAT (1998)	Narcosis	Nonpolar								
102-77-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
309-43-3	Russom(1997)	Narcosis	Nonpolar								

75-85-4	Kipka(2009)	Narcosis	Nonpolar								
19622-08-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
5217-47-0	Russom(1996)	Narcosis	Nonpolar								
75-97-8	Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-34-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
100-51-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
109-06-8	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
60-29-7	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
123-51-3	EAT (1998)	Narcosis	Nonpolar								
103-84-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-10-1	Barron(2015) Martin(2015) Broderius(1995) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
107-70-0	Kipka(2009)	Narcosis	Nonpolar								
69377-81-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
75-09-2	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
629-25-4	EAT (1998)	Narcosis	Nonpolar								
74-83-9	Barron(2015) Martin(2015) IRAC online database	Narcosis	Nonpolar	Narcosis	Nonpolar	Miscell-aneous non-specific (multi-site) inhibitors					
100-64-1	Ren(2002)	Narcosis	Nonpolar								
1634-04-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
584-02-1	EAT (1998)	Narcosis	Nonpolar								
129909-90-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1482-15-1	Russom(1996)	Narcosis	Nonpolar								

65-45-2	Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar						
591-78-6	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
108-93-0	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
629-40-3	Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
4684-94-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-00-9	EAT (1998)	Narcosis	Nonpolar								
928-97-2	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-18-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
107-06-2	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
99-09-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
77-74-7	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
71-41-0	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
5234-68-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
29553-26-2	Russom(1996)	Narcosis	Nonpolar								
122-99-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
583-60-8	EAT (1998)	Narcosis	Nonpolar								
100-47-0	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
1080-32-6	Russom(1996)	Narcosis	Nonpolar								
565-80-0	EAT (1998)	Narcosis	Nonpolar								
98-86-2	Barron(2015) Martin(2015) Nendza(2006) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar

4916-57-8	Ren(2002)	Narcosis	Nonpolar								
151-21-3	EAT (1998)	Narcosis	Nonpolar								
122-60-1	EAT (1998)	Narcosis	Nonpolar								
13411-16-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
9004-82-4	EAT (1998)	Narcosis	Nonpolar								
5683-33-0	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
13909-73-4	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
16118-49-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
22726-00-7	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
143-29-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
7250-67-1	Russom(1997)	Narcosis	Nonpolar								
920-66-1	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
623-37-0	Kipka(2009)	Narcosis	Nonpolar								
108-11-2	Kipka(2009)	Narcosis	Nonpolar								
78-27-3	Russom(1996)	Narcosis	Nonpolar								
110-43-0	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
811-97-2	EAT (1998)	Narcosis	Nonpolar								
110-12-3	Ren(2002)	Narcosis	Nonpolar								
100-71-0	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
137-26-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
685-91-6	Ren(2002)	Narcosis	Nonpolar								
4214-79-3	Ren(2002)	Narcosis	Nonpolar								

600-36-2	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
34014-18-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
113136-77-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-93-0	Ren(2002)	Narcosis	Nonpolar								
626-93-7	Kipka(2009)	Narcosis	Nonpolar								
1192-52-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
142-28-9	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
78-87-5	Barron(2015) Martin(2015) Broderius(1995) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
20662-84-4	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-20-3	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
145-73-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
5902-51-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
75-29-6	EAT (1998)	Narcosis	Nonpolar								
67-66-3	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
79-00-5	Barron(2015) Martin(2015) Broderius(1995) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
2816-57-1	EAT (1998)	Narcosis	Nonpolar								
106-93-4	EAT (1998)	Narcosis	Nonpolar								
2034-22-2	Ren(2002)	Narcosis	Nonpolar								
103-83-3	Ren(2002)	Narcosis	Nonpolar								
148-79-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
64902-72-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

95-16-9	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
111-27-3	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
111-13-7	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
540-54-5	EAT (1998)	Narcosis	Nonpolar								
541-85-5	Kipka(2009)	Narcosis	Nonpolar								
100-66-3	Kipka(2009)	Narcosis	Nonpolar								
50-30-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
504-20-1	Kipka(2009)	Narcosis	Nonpolar								
945-51-7	Russom(1996)	Narcosis	Nonpolar								
6001-64-5	Russom(1997)	Narcosis	Nonpolar								
106-94-5	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
156-60-5	Kipka(2009)	Narcosis	Nonpolar								
606-20-2	EAT (1998)	Narcosis	Nonpolar								
51707-55-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
71-43-2	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
150-78-7	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
163515-14-8	Barron(2015)	Narcosis	Nonpolar								
87674-68-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
306-83-2	EAT (1998)	Narcosis	Nonpolar								
109-70-6	EAT (1998)	Narcosis	Nonpolar								
134-62-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
75-35-4	Kipka & Di Toro(2009)	Narcosis	Nonpolar								

34723-82-5	Russom(1996)	Narcosis	Nonpolar								
621-08-9	Russom(1996)	Narcosis	Nonpolar								
529-19-1	Ren(2002)	Narcosis	Nonpolar								
106-68-3	EAT (1998)	Narcosis	Nonpolar								
19248-13-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
91-88-3	Russom(1996)	Narcosis	Nonpolar								
96-18-4	Barron(2015) Martin(2015) Nendza(2006)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
2163-79-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-71-7	EAT (1998)	Narcosis	Nonpolar								
88-72-2	Ren(2003)	Narcosis	Nonpolar								
27314-13-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
79-34-5	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
121-69-7	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
19549-98-5	Russom(1996)	Narcosis	Nonpolar								
7166-19-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2164-17-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
78-99-9	Kipka(2009)	Narcosis	Nonpolar								
1717-00-6	EAT (1998)	Narcosis	Nonpolar								
99-99-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
4780-79-4	EAT (1998)	Narcosis	Nonpolar								
821-55-6	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
71-55-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				

104-90-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
100-00-5	Nendza(2006)	Narcosis	Nonpolar								
142459-58-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
75-25-2	EAT (1998)	Narcosis	Nonpolar								
122-34-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1918-16-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
630-20-6	Kipka(2009)	Narcosis	Nonpolar								
502-56-7	Ren(2002)	Narcosis	Nonpolar								
768-94-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
55406-53-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
26530-20-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
625-86-5	Russom(1996)	Narcosis	Nonpolar								
563-47-3	EAT (1998)	Narcosis	Nonpolar								
5395-75-5	Russom(1996)	Narcosis	Nonpolar								
447-60-9	Russom(1996)	Narcosis	Nonpolar								
81777-89-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
496-16-2	Russom(1996)	Narcosis	Nonpolar								
27636-75-5	EAT (1998)	Narcosis	Nonpolar								
21725-46-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
93-91-4	Ren(2002)	Narcosis	Nonpolar								
111-14-8	EAT (1998)	Narcosis	Nonpolar								
103361-09-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-70-6	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
939-23-1	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						

104-76-7	Barron(2015) Martin(2015) McKim(1987) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar		
121-46-0	Kipka(2009)	Narcosis	Nonpolar								
81335-77-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2357-47-3	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis			
56108-12-4	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
122836-35-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
102-27-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
15045-43-9	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
110488-70-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
3923-52-2	Russom(1996)	Narcosis	Nonpolar								
706-14-9	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
693-54-9	Ren(2002)	Narcosis	Nonpolar								
26952-21-6	EAT (1998)	Narcosis	Nonpolar								
56-23-5	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
108-88-3	Barron(2015) Martin(2015) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
133-06-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
109-65-9	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
287-92-3	Kipka(2009)	Narcosis	Nonpolar								
628-76-2	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
544-25-2	Kipka(2009)	Narcosis	Nonpolar								

374-07-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1014-70-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-56-5	Barron(2015) Martin(2015) Nendza(2006) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
79-01-6	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
99-97-8	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
94-75-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
17754-90-4	Broderius(1995)	Narcosis	Nonpolar								
841-06-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1194-65-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
791-28-6	Ren(2002)	Narcosis	Nonpolar								
14548-45-9	McKim(1987) Ren(2002)	Narcosis		Narcosis	Nonpolar						
36734-19-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2312-73-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-83-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-90-7	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar		
957-51-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
149-30-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
5673-07-4	Barron(2015) Martin(2015) EAT (1998)	Narcosis	Nonpolar	Narcosis	Nonpolar	Nonpolar					
120-21-8	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
142-96-1	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
102-06-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

822-86-6	Russom(1996)	Narcosis	Nonpolar								
87392-12-9	Barron(2015)	Narcosis	Nonpolar								
2212-67-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
87130-20-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
330-55-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
594-20-7	EAT (1998)	Narcosis	Nonpolar								
10199-85-6	EAT (1998)	Narcosis	Nonpolar								
103-05-9	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
76-01-7	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
111-47-7	Ren(2002)	Narcosis	Nonpolar								
2234-16-4	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
2461-15-6	EAT (1998)	Narcosis	Nonpolar								
98-87-3	EAT (1998)	Narcosis	Nonpolar								
84087-01-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
592-46-1	Russom(1996)	Narcosis	Nonpolar								
98-55-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
834-12-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-86-1	Ren&Schult(2002) Ren(2003) Ren(2002)	Narcosis		Narcosis	Nonpolar	Narcosis	Nonpolar				
815-24-7	EAT (1998)	Narcosis	Nonpolar								
111-87-5	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
1126-79-0	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
25155-30-0	EAT (1998)	Narcosis	Nonpolar								

68081-81-2	EAT (1998)	Narcosis	Nonpolar								
759-94-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
93-15-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
50471-44-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
119-61-9	Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
709-98-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
56425-91-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-12-9	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
3064-70-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2243-27-8	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
1330-20-7	EAT (1998)	Narcosis	Nonpolar								
108-41-8	Kipka(2009)	Narcosis	Nonpolar								
22936-86-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
470-82-6	Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar						
106-43-4	Kipka(2009)	Narcosis	Nonpolar								
100-41-4	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
106-42-3	Ren(2002)	Narcosis	Nonpolar								
13360-45-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
76-13-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
77-73-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
59756-60-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-85-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
598-16-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

6515-38-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
5915-41-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-02-7	EAT (1998)	Narcosis	Nonpolar								
51218-45-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
94-74-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2362-61-0	Russom(1996)	Narcosis	Nonpolar								
101-72-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
91-65-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
91-66-7	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
15299-99-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
91-20-3	Barron(2015) Martin(2015) Broderius(1995) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
106-46-7	Barron(2015) Martin(2015) Nendza(2006) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
15972-60-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
34256-82-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
110-82-7	Ren(2003)	Narcosis	Nonpolar								
2216-51-5	Russom(1996)	Narcosis	Nonpolar								
3547-33-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
127-18-4	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
95-50-1	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar	Narcosis	Nonpolar
1191-50-0	EAT (1998)	Narcosis	Nonpolar								
1929-82-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

132-66-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
108-67-8	EAT (1998)	Narcosis	Nonpolar								
95-49-8	EAT (1998)	Narcosis	Nonpolar								
2675-77-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
22037-97-4	Russom(1996)	Narcosis	Nonpolar								
140-67-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
26248-24-8	EAT (1998)	Narcosis	Nonpolar								
109-66-0	Kipka(2009)	Narcosis	Nonpolar								
94-81-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
101-96-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1929-77-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
101-21-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
7287-19-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
525-82-6	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-05-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
94-82-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1610-18-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
64359-81-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
13684-63-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
541-73-1	Barron(2015) Martin(2015) Broderius(1995) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
2593-15-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
60168-88-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-78-4	Kipka(2009)	Narcosis	Nonpolar								
17109-49-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophosphate						

143-08-8	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
111-25-1	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
68955-20-4	EAT (1998)	Narcosis	Nonpolar								
98-82-8	Ren&Schultz(2002) Ren(2003) Ren(2002)	Narcosis		Narcosis	Nonpolar	Narcosis	Nonpolar				
103-65-1	Kipka(2009)	Narcosis	Nonpolar								
693-65-2	Barron(2015) Martin(2015) Broderius(1995)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
4253-89-8	Russom(1996)	Narcosis	Nonpolar								
2894-51-1	Russom(1996)	Narcosis	Nonpolar								
66332-96-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1982-47-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
126833-17-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
67-72-1	Barron(2015) Martin(2015) Russom(1996) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
886-50-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
5238-01-8	EAT (1998)	Narcosis	Nonpolar								
112-31-2	Nendza(2006)	Narcosis	Nonpolar								
2439-01-2	Barron(2015) Martin(2015) IRAC online database	Narcosis	Nonpolar	Narcosis	Nonpolar	Com-pounds of unknown or uncertain MOA					
95-73-8	Kipka(2009)	Narcosis	Nonpolar								
106-37-6	EAT (1998)	Narcosis	Nonpolar								
2627-06-7	EAT (1998)	Narcosis	Nonpolar								
2939-80-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
1134-23-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						

591-62-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
131341-86-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
90-12-0	Ren(2003)	Narcosis	Nonpolar								
2008-41-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
112-38-9	EAT (1998)	Narcosis	Nonpolar								
1982-49-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
91-57-6	Kipka(2009)	Narcosis	Nonpolar								
90-13-1	Kipka(2009)	Narcosis	Nonpolar								
91-58-7	Kipka(2009)	Narcosis	Nonpolar								
101-05-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
105-75-9	Ren(2002)	Narcosis	Nonpolar								
108-70-3	Kipka(2009)	Narcosis	Nonpolar								
28348-61-0	EAT (1998)	Narcosis	Nonpolar								
87-61-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
121552-61-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
83-32-9	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
334-48-5	EAT (1998)	Narcosis	Nonpolar								
544-40-1	Ren(2002)	Narcosis	Nonpolar								
61432-55-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
20018-09-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
101-84-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
28159-98-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
92-52-4	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar	Narcosis	Nonpolar
108-87-2	Kipka(2009)	Narcosis	Nonpolar								
764-13-6	Russom(1996)	Narcosis	Nonpolar								

99-87-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
95-93-2	Kipka(2009)	Narcosis	Nonpolar								
132-64-9	Ren(2002)	Narcosis	Nonpolar								
741-58-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophos-phate						
60207-90-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
6175-49-1	Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
86-73-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-30-1	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar		
95-75-0	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Nonpolar						
328-84-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
57966-95-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-44-7	EAT (1998)	Narcosis	Nonpolar								
104-51-8	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Nonpolar						
98-51-1	Kipka(2009)	Narcosis	Nonpolar								
119446-68-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
28804-88-8	EAT (1998)	Narcosis	Nonpolar								
6491-02-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
629-04-9	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
2051-60-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2051-61-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2051-62-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
79-77-6	Russom(1996)	Narcosis	Nonpolar								
120-12-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2303-16-4	Barron(2015)	Narcosis	Nonpolar								

9002-92-0	EAT (1998)	Narcosis	Nonpolar								
23184-66-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
20056-92-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
6639-30-1	EAT (1998)	Narcosis	Nonpolar								
5989-27-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2303-17-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
85-01-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-83-1	Barron(2015) Martin(2015) Russom(1996) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar
634-90-2	Kipka(2009)	Narcosis	Nonpolar								
82-68-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
7173-51-5	EAT (1998)	Narcosis	Nonpolar								
615-54-3	EAT (1998)	Narcosis	Nonpolar								
593-08-8	EAT (1998) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar						
793-24-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-42-5	Kipka & Di Toro(2009)	Narcosis	Nonpolar								
51-03-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
97886-45-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
124-22-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
19666-30-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
140-57-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
9002-93-1	EAT (1998)	Narcosis	Nonpolar								
2437-25-4	Ren(2002)	Narcosis	Nonpolar								
101-20-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
538-68-1	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Nonpolar						
129-00-0	Barron(2015)	Narcosis	Nonpolar								

1836-77-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
634-66-2	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
143-07-7	EAT (1998)	Narcosis	Nonpolar								
779-02-2	Kipka(2009)	Narcosis	Nonpolar								
2050-68-2	Nendza(2006)	Narcosis	Nonpolar								
79124-76-8	Russom(1996)	Narcosis	Nonpolar								
206-44-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
9036-19-5	EAT (1998)	Narcosis	Nonpolar								
608-93-5	Barron(2015) Martin(2015) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
3081-01-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
112-53-8	Kipka & Di Toro(2009)	Narcosis	Nonpolar								
10486-19-8	EAT (1998)	Narcosis	Nonpolar								
2869-34-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
111-65-9	Kipka(2009)	Narcosis	Nonpolar								
112-18-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
62924-70-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
175013-18-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
638-53-9	EAT (1998)	Narcosis	Nonpolar								
676-22-2	EAT (1998)	Narcosis	Nonpolar								
9016-45-9	EAT (1998)	Narcosis	Nonpolar								
7212-44-4	Barron(2015) Martin(2015) Russom(1996)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar				
69770-23-6	Russom(1996)	Narcosis	Nonpolar								
118-74-1	EAT (1998) Ren(2003)	Narcosis	Nonpolar	Narcosis	Nonpolar						
55512-33-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						

78-48-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophosphate						
4602-84-0	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
68439-50-9	EAT (1998)	Narcosis	Nonpolar								
69227-21-0	EAT (1998)	Narcosis	Nonpolar								
2156-97-0	Nendza(2006)	Narcosis	Nonpolar								
61791-28-4	EAT (1998)	Narcosis	Nonpolar								
3081-14-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
37529-30-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
2437-79-8	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
5835-26-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
124-18-5	Kipka(2009)	Narcosis	Nonpolar								
112-90-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
109-01-3	Ren(2002)	Narcosis	Nonpolar								
107-29-9	Ren(2002)	Narcosis	Nonpolar								
111-69-3	Ren(2002)	Narcosis	Nonpolar								
109-77-3	Ren(2002)	Narcosis	Nonpolar								
140-31-8	Ren(2002)	Narcosis	Nonpolar								
27306-79-2	EAT (1998)	Narcosis	Nonpolar								
52292-17-8	Barron(2015)	Narcosis	Nonpolar								
27731-62-0	EAT (1998)	Narcosis	Nonpolar								
122-42-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
27177-79-3	EAT (1998)	Narcosis	Nonpolar								
8046-53-5	EAT (1998)	Narcosis	Nonpolar								
3134-70-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
17708-57-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
1966-58-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						

150-50-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Organophosphate						
68694-11-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
52888-80-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
85785-20-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
18357-78-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
28249-77-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
34622-58-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
107534-96-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
83657-17-4	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
799247-52-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
94361-06-5	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
902760-40-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
413615-35-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
116255-48-2	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
114369-43-6	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
78357-48-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
915410-70-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
361377-29-9	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
43121-43-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
443-48-1	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
55219-65-3	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Narcosis	Nonpolar						
68585-34-2	EAT (1998)	Narcosis	Nonpolar								
105726-67-8	Barron(2015)	Narcosis	Nonpolar								
140923-17-7	Barron(2015) Martin(2015)	Narcosis	Nonpolar	Non-AChE inhibition	Non-Carbamate						
17708-58-6	Barron(2015)	Narcosis	Nonpolar								

28348-62-1	EAT (1998)	Narcosis	Nonpolar								
3089-61-1	IRAC online database	Neurotoxicity	Octopamine receptor agonists								
301-12-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
152-16-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
17040-19-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
30560-19-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
10265-92-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
3734-97-2	Barron(2015)	AChE inhibition	Organophos-phate								
2674-91-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
115-26-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2778-04-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
919-44-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
141-66-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
682-80-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2088-72-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
144-41-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
298-01-1	Barron(2015)	AChE inhibition	Organophos-phate								
338-45-4	Barron(2015)	AChE inhibition	Organophos-phate								
25601-84-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
1031-47-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
107-44-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
122-10-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
1754-58-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
371-86-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						

52-68-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
919-76-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
107-49-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
867-27-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
1491-41-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2587-90-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
83733-82-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
21548-32-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
60-51-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
7786-34-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
297-99-4	Barron(2015)	AChE inhibition	Organophos-phate								
3734-95-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
8022-00-2	Barron(2015)	AChE inhibition	Organophos-phate								
919-86-8	Barron(2015) Martin(2015) Nendza(2006)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate				
950-10-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2425-25-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
947-02-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
55-91-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
78-57-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
116-01-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
29173-31-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
115-93-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
13171-21-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					

2524-03-0	PAN online database	AChE inhibition	Organophos-phate								
62-73-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2540-82-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
37032-15-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
950-37-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
300-76-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
78-53-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
126-22-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2497-07-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
66602-87-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
297-97-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2497-06-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3309-87-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5840-95-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5598-52-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3761-41-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
126-75-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2669-32-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
115-90-2	Barron(2015) Martin(2015) Russom(1996)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate				
4812-20-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2668-92-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
121-75-5	Barron(2015) Martin(2015) Nendza(2006) EAT (1998) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	Specifica-lly acting chemicals		AChE inhibition	

2524-04-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
98886-44-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
732-11-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
62610-77-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
86-50-0	Barron(2015) Martin(2015) Russom(1996) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
19691-80-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2275-18-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5827-05-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3811-49-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
24353-61-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
321-54-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
108-35-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
919-54-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
298-00-0	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
38260-54-7	Barron(2015) Martin(2015) Nendza(2006)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate				
333-40-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
298-03-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
41495-67-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
7700-17-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
122-14-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
26087-47-8	PAN online database	AChE inhibition	Organophos-phate								
38260-63-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						

299-86-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
4104-14-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
500-28-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
78-34-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
32345-29-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5131-24-8	PAN online database	AChE inhibition	Organophos-phate								
36614-38-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
22350-76-1	Barron(2015)	AChE inhibition	Organophos-phate								
961-11-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2463-84-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
298-02-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
7292-16-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2597-03-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
90338-20-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
13457-18-6	PAN online database	AChE inhibition	Organophos-phate								
42509-80-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
56-38-2	Barron(2015) Martin(2015) EAT (1998) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	Specifica-lly acting chemicals		AChE inhibition			
333-41-5	Barron(2015) Martin(2015) Russom(1996) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
95465-99-9	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
3568-56-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
944-22-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3689-24-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					

29232-93-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
5221-49-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2703-13-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
298-04-4	Barron(2015) Martin(2015) Russom(1996) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
55-38-9	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
25311-71-1	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
36145-08-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5598-13-0	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
56-72-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
470-90-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2701-86-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
96182-53-5	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
13067-93-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2310-17-0	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
13071-79-9	Barron(2015) Martin(2015) Nendza(2006) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
2665-30-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2782-70-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
333-43-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
22439-40-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
36335-67-8	PAN online database	AChE inhibition	Organophos-phate								

41198-08-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
10311-84-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2104-64-5	Barron(2015) Martin(2015) Russom(1996) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate	AChE inhibition			
1776-83-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
328-04-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
953-17-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
23505-41-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
299-84-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
14816-20-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
1716-09-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
563-12-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2921-88-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2104-96-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3735-23-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
97-17-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
327-98-0	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
786-19-6	Barron(2015) Martin(2015) Russom(1996)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition	Organoph-osphate				
2633-54-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
572-48-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
35400-43-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
18181-70-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5834-96-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
21923-23-9	Barron(2015)	AChE inhibition	Organophos-phate								

60238-56-4	Barron(2015)	AChE inhibition	Organophos-phate								
1757-18-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
329-21-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3244-90-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3792-59-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2275-14-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
4824-78-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
3383-96-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
59010-86-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
21609-90-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
72348-92-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
6923-22-4	Barron(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition							
69632-93-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
13194-48-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
1113-02-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
8065-48-3	Barron(2015)	AChE inhibition	Organophos-phate								
31218-83-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
5969-94-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
22224-92-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
24934-91-6	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
140163-89-9	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
23560-59-0	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					

40626-35-5	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
54593-83-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2275-23-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
640-15-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2595-54-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2636-26-2	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
2274-67-1	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
38527-91-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
126069-54-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
22248-79-9	Barron(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition							
38524-82-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
14816-18-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
14816-16-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
42509-83-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
33399-00-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5826-76-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
39247-96-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
122431-24-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
52-85-7	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
50398-69-1	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
34643-46-4	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					

77503-28-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
77503-29-8	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
35575-96-3	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
41219-32-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
13593-03-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
13593-08-3	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
18854-01-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
20276-83-9	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
119-12-0	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
24017-47-8	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
89784-60-1	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
41219-31-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
2642-71-9	Barron(2015) Martin(2015) IRAC online database	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate	AChE inhibition					
16759-59-4	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5723-62-6	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
5823-13-2	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
63771-69-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
8065-62-1	Barron(2015)	AChE inhibition	Organophos-phate								
83318-76-7	Barron(2015) Martin(2015)	AChE inhibition	Organophos-phate	AChE inhibition	Organophos-phate						
7757-82-6	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								

7664-41-7	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								
7681-49-4	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								
7447-40-7	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								
7647-14-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								
7782-50-5	Barron(2015)	Iono/Osmo-regulatory/-Circulatory impairment	Other osmo-regulatory								
592-01-8	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors						
143-33-9	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial Complex IV electron transport inhibitors						
74-90-8	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
26628-22-8	Barron(2015) Russom(1996)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Respiratory Inhibition	Respiratory Inhibition						

53558-25-1	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition						
67485-29-4	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex III Electron Transport inhibitors						
76-87-9	Barron(2015) EAT (1998)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Specifically acting chemicals							
56-35-9	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
688-73-3	Barron(2015) EAT (1998)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Specifically acting chemicals							
1397-94-0	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								

1983-10-4	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
119168-77-3	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors						
1461-22-9	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
120928-09-8	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors						
96489-71-3	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors						
13121-70-5	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Inhibitors of mitochondrial ATP synthase						

28801-69-6	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
57960-19-7	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex III Electron Transport inhibitors						
129558-76-5	Barron(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition	Oxidative Phosphoryl-ation (Electron Transport)	Mitochondrial complex I Electron Transport inhibitors						
12057-74-8	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Oxidative phosphoryl-ation inhibition								
593-81-7	EAT (1998)	Narcosis	Polar								
107-15-3	EAT (1998)	Narcosis	Polar								
62-56-6	EAT (1998)	Narcosis	Polar								
2973-76-4	Ren(2002)	Narcosis	Polar								
3337-71-1	Barron(2015) Martin(2015)	Narcosis	Polar	Non-AChE inhibition	Non-Carbamate						
108-73-6	Schuurmann(2003)	Narcosis	Polar								
619-57-8	Schuurmann(2003)	Narcosis	Polar								
95-80-7	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar				
4683-06-6	Schuurmann(2003)	Narcosis	Polar								
498-00-0	Schuurmann(2003)	Narcosis	Polar								

100-70-9	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar		
103-90-2	Ren(2002)	Narcosis	Polar								
1122-54-9	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar		
620-24-6	Schuurmann(2003)	Narcosis	Polar								
936-02-7	Schuurmann(2003)	Narcosis	Polar								
110-86-1	Barron(2015) Martin(2015) Broderius(1995) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar
1995-11-4	Kipka(2009)	Narcosis	Polar								
90-01-7	Schuurmann(2003)	Narcosis	Polar								
621-42-1	Ren(2002)	Narcosis	Polar								
156-38-7	Schuurmann(2003)	Narcosis	Polar								
108-94-1	Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar						
99-03-6	Ren(2002)	Narcosis	Polar								
62-53-3	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis		Narcosis	Polar
89-73-6	Schuurmann(2003)	Narcosis	Polar								
621-59-0	Schuurmann(2003)	Narcosis	Polar								
498-02-2	Schuurmann(2003)	Narcosis	Polar								
14191-95-8	Schuurmann(2003)	Narcosis	Polar								
100-46-9	Ren(2002)	Narcosis	Polar								
501-94-0	Schuurmann(2003)	Narcosis	Polar								
91-10-1	Schuurmann(2003)	Narcosis	Polar								
95-84-1	EAT (1998)	Narcosis	Polar								
121-33-5	Ren(2002)	Narcosis	Polar								

100-83-4	Schuurmann(2003)	Narcosis	Polar								
90-05-1	Schuurmann(2003)	Narcosis	Polar								
95-53-4	Kipka(2009)	Narcosis	Polar								
95-01-2	Ren(2002)	Narcosis	Polar								
99-93-4	Schuurmann(2003)	Narcosis	Polar								
123-08-0	Schuurmann(2003)	Narcosis	Polar								
148-53-8	Ren(2002)	Narcosis	Polar								
1129-35-7	Ren(2002)	Narcosis	Polar								
6636-78-8	Ren(2002)	Narcosis	Polar								
106-49-0	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis		Narcosis	Polar
121-71-1	Schuurmann(2003)	Narcosis	Polar								
94-67-7	Ren(2002)	Narcosis	Polar								
108-44-1	Kipka(2009)	Narcosis	Polar								
1072-97-5	Barron(2015) Martin(2015) Russom(1996) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar		
4221-08-3	Schuurmann(2003)	Narcosis	Polar								
6602-32-0	Ren(2002)	Narcosis	Polar								
99-06-9	Schuurmann(2003)	Narcosis	Polar								
99-96-7	Schuurmann(2003)	Narcosis	Polar								
504-15-4	Schuurmann(2003)	Narcosis	Polar								
121-32-4	Ren(2002)	Narcosis	Polar								
767-00-0	Schuurmann(2003)	Narcosis	Polar								
611-20-1	Schuurmann(2003)	Narcosis	Polar								
87-28-5	Schuurmann(2003)	Narcosis	Polar								
500-99-2	Schuurmann(2003)	Narcosis	Polar								
94-71-3	Schuurmann(2003)	Narcosis	Polar								

74-95-3	Kipka(2009)	Narcosis	Polar								
873-62-1	Schuurmann(2003)	Narcosis	Polar								
367-12-4	Schuurmann(2003)	Narcosis	Polar								
16879-02-0	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar		
2316-64-5	Schuurmann(2003)	Narcosis	Polar								
91-23-6	Kipka & Di Toro(2009)	Narcosis	Polar								
875-59-2	Schuurmann(2003)	Narcosis	Polar								
371-41-5	Schuurmann(2003)	Narcosis	Polar								
75-34-3	Kipka(2009)	Narcosis	Polar								
95-88-5	Schuurmann(2003)	Narcosis	Polar								
622-62-8	Schuurmann(2003)	Narcosis	Polar								
14321-27-8	Ren(2002)	Narcosis	Polar								
87-62-7	Kipka(2009)	Narcosis	Polar								
88-74-4	Kipka(2009)	Narcosis	Polar								
708-76-9	Ren(2002)	Narcosis	Polar								
108-42-9	Kipka(2009)	Narcosis	Polar								
19438-10-9	Schuurmann(2003)	Narcosis	Polar								
118-93-4	Schuurmann(2003)	Narcosis	Polar								
3211-76-5	Kipka(2009)	Narcosis	Polar								
372-20-3	Schuurmann(2003)	Narcosis	Polar								
106-44-5	Ren&schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
150-68-5	Kipka(2009)	Narcosis	Polar								
2150-47-2	Ren(2002)	Narcosis	Polar								
28177-48-2	Schuurmann(2003)	Narcosis	Polar								
108-39-4	Ren(2003)	Narcosis	Polar								
99-76-3	Schuurmann(2003)	Narcosis	Polar								

552-41-0	Schuurmann(2003)	Narcosis	Polar								
554-84-7	Kipka(2009)	Narcosis	Polar								
100-17-4	EAT (1998)	Narcosis	Polar								
70-70-2	Schuurmann(2003)	Narcosis	Polar								
587-02-0	Kipka(2009)	Narcosis	Polar								
615-36-1	EAT (1998)	Narcosis	Polar								
87-59-2	EAT (1998)	Narcosis	Polar								
95-64-7	EAT (1998)	Narcosis	Polar								
95-65-8	Ren(2003)	Narcosis	Polar								
134-32-7	Kipka(2009)	Narcosis	Polar								
106-40-1	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis			
97-53-0	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
769-28-8	Barron(2015) Martin(2015) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar				
137-19-9	Schuurmann(2003)	Narcosis	Polar								
95-87-4	Schuurmann(2003)	Narcosis	Polar								
108-68-9	Kipka(2009)	Narcosis	Polar								
95-56-7	Schuurmann(2003)	Narcosis	Polar								
576-26-1	EAT (1998) Kipka(2009)	Narcosis	Polar	Narcosis	Polar						
620-17-7	Schuurmann(2003)	Narcosis	Polar								
78-88-6	Nendza(2006)	Narcosis	Polar								
121-7-33	Kipka(2009)	Narcosis	Polar								
90-00-6	Schuurmann(2003)	Narcosis	Polar								
120-47-8	Schuurmann(2003)	Narcosis	Polar								
7781-98-8	Schuurmann(2003)	Narcosis	Polar								
526-75-0	Schuurmann(2003)	Narcosis	Polar								

108-43-0	Kipka(2009)	Narcosis	Polar								
1450-72-2	Schuurmann(2003)	Narcosis	Polar								
55335-06-3	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
100-23-2	Nendza(2006)	Narcosis	Polar								
123-07-9	Broderius(1995) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis		Narcosis	Polar				
615-65-6	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar		
106-41-2	Schuurmann(2003)	Narcosis	Polar								
591-20-8	Schuurmann(2003)	Narcosis	Polar								
1745-81-9	Barron(2015) Martin(2015) Schuurmann(2003) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar
635-93-8	Ren(2002)	Narcosis	Polar								
97-86-9	Nendza(2006)	Narcosis	Polar								
95-76-1	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis			
135-19-3	Kipka & Di Toro(2009)	Narcosis	Polar								
87-65-0	Kipka(2009)	Narcosis	Polar								
95-82-9	Kipka(2009)	Narcosis	Polar								
1570-64-5	Kipka(2009)	Narcosis	Polar								
554-00-7	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
1484-26-0	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
99-30-9	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
1761-61-1	Ren(2002)	Narcosis	Polar								
402-45-9	Schuurmann(2003)	Narcosis	Polar								
83-41-0	Kipka(2009)	Narcosis	Polar								
576-24-9	Kipka(2009)	Narcosis	Polar								

90-15-3	Barron(2015) Martin(2015) Broderius(1995) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar
88-69-7	Kipka(2009)	Narcosis	Polar								
122-94-1	Schuurmann(2003)	Narcosis	Polar								
615-74-7	Schuurmann(2003)	Narcosis	Polar								
626-43-7	Kipka(2009)	Narcosis	Polar								
618-45-1	Schuurmann(2003)	Narcosis	Polar								
25168-06-3	Kipka(2009)	Narcosis	Polar								
97-54-1	Schuurmann(2003)	Narcosis	Polar								
89-59-8	Kipka(2009)	Narcosis	Polar								
3209-22-1	Kipka(2009)	Narcosis	Polar								
583-78-8	Kipka(2009)	Narcosis	Polar								
611-06-3	Kipka(2009)	Narcosis	Polar								
1137-42-4	Schuurmann(2003)	Narcosis	Polar								
389-40-2	Kipka(2009)	Narcosis	Polar								
99-71-8	Schuurmann(2003)	Narcosis	Polar								
83-42-1	Kipka(2009)	Narcosis	Polar								
89-61-2	Kipka(2009)	Narcosis	Polar								
59-50-7	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis		Narcosis	Polar
697-82-5	Schuurmann(2003)	Narcosis	Polar								
104-13-2	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
645-56-7	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
86-57-7	Kipka & Di Toro(2009)	Narcosis	Polar								
615-58-7	Schuurmann(2003)	Narcosis	Polar								
580-51-8	Schuurmann(2003)	Narcosis	Polar								

88-04-0	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
31557-34-3	EAT (1998)	Narcosis	Polar								
585-34-2	Nendza(2006)	Narcosis	Polar								
89-83-8	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
103-16-2	Schuurmann(2003)	Narcosis	Polar								
88-18-6	Schuurmann(2003)	Narcosis	Polar								
98-54-4	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis		Narcosis	Polar		
95-77-2	Kipka(2009)	Narcosis	Polar								
1570-65-6	EAT (1998)	Narcosis	Polar								
131-73-7	EAT (1998)	Narcosis	Polar								
2416-94-6	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
136-77-6	Schuurmann(2003)	Narcosis	Polar								
636-30-6	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
7378-99-6	EAT (1998)	Narcosis	Polar								
2374-05-2	Schuurmann(2003)	Narcosis	Polar								
91-94-1	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
634-93-5	Kipka(2009)	Narcosis	Polar								
120-32-1	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
591-35-5	Kipka(2009)	Narcosis	Polar								
1638-22-8	Kipka(2009)	Narcosis	Polar								
3217-15-0	Schuurmann(2003)	Narcosis	Polar								
836-30-6	EAT (1998)	Narcosis	Polar								
119-75-5	EAT (1998)	Narcosis	Polar								
933-75-5	Kipka(2009)	Narcosis	Polar								
90-59-5	Ren(2002)	Narcosis	Polar								
131-57-7	Schuurmann(2003)	Narcosis	Polar								

15950-66-0	Kipka(2009)	Narcosis	Polar								
933-78-8	Kipka(2009)	Narcosis	Polar								
89-68-9	Schuurmann(2003)	Narcosis	Polar								
2409-55-4	Schuurmann(2003)	Narcosis	Polar								
14938-35-3	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
110-54-3	Ren(2003)	Narcosis	Polar								
118-79-6	EAT (1998)	Narcosis	Polar								
83-66-9	EAT (1998)	Narcosis	Polar								
2437-49-2	Schuurmann(2003)	Narcosis	Polar								
1879-09-0	Schuurmann(2003)	Narcosis	Polar								
1138-52-9	Schuurmann(2003)	Narcosis	Polar								
3380-34-5	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
609-23-4	Ren(2002)	Narcosis	Polar								
97-23-4	Ren(2002)	Narcosis	Polar								
140-66-9	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
25154-52-3	Barron(2015) Schuurmann(2003)	Narcosis	Polar	Narcosis	Polar						
128-37-0	Ren&Schultz(2002) Ren(2002)	Narcosis		Narcosis	Polar						
79-94-7	EAT (1998)	Narcosis	Polar								
70-30-4	Ren(2002)	Narcosis	Polar								
96-69-5	Barron(2015) Martin(2015)	Narcosis	Polar	Narcosis	Polar						
7209-38-3	Ren(2002)	Narcosis	Polar								
367-27-1	Schuurmann(2003)	Narcosis	Polar								
2613-23-2	Schuurmann(2003)	Narcosis	Polar								
394-32-1	Schuurmann(2003)	Narcosis	Polar								
392-71-2	Schuurmann(2003)	Narcosis	Polar								
13037-86-0	Schuurmann(2003)	Narcosis	Polar								
18979-55-0	Schuurmann(2003)	Narcosis	Polar								

5446-02-6	Schuurmann(2003)	Narcosis	Polar								
1124-04-5	Schuurmann(2003)	Narcosis	Polar								
65383-57-5	Schuurmann(2003)	Narcosis	Polar								
8052-31-1	Schuurmann(2003)	Narcosis	Polar								
65262-96-6	Schuurmann(2003)	Narcosis	Polar								
14143-32-9	Schuurmann(2003)	Narcosis	Polar								
7149-10-2	Schuurmann(2003)	Narcosis	Polar								
36436-65-4	Schuurmann(2003)	Narcosis	Polar								
500-66-3	Schuurmann(2003)	Narcosis	Polar								
6627-55-0	Schuurmann(2003)	Narcosis	Polar								
7463-51-6	Schuurmann(2003)	Narcosis	Polar								
90-60-8	Schuurmann(2003)	Narcosis	Polar								
7530-27-0	Schuurmann(2003)	Narcosis	Polar								
120068-37-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxi-city	GABA gated cloride channel blockers				
181587-01-9	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxi-city	GABA gated cloride channel blockers				
394730-71-3	Barron(2015) Martin(2015)	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism						
145767-97-1	Barron(2015) Martin(2015)	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism						
315208-17-4	Barron(2015) Martin(2015)	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism						
209861-58-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrazole GABA antagonism	Neurotoxicity	Pyrazole GABA antagonism						
75867-00-4	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						

62-59-9	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
72963-72-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
71-62-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
8051-02-3	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
121-29-9	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
15589-31-8	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
51348-90-4	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
28434-00-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
121-20-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
1172-63-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
240494-70-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
584-79-2	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
7696-12-0	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				

23031-38-1	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
39515-41-8	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
68359-37-5	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
17080-02-3	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
121-21-1	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
25402-06-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
26046-85-5	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
51186-88-0	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
65731-84-2	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
65732-07-2	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
28434-01-7	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
8003-34-7	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
27223-49-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						

52918-63-5	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
70-43-9	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
120710-23-8	PAN online database	Neurotoxicity	Pyrethroid sodium channel modulation								
52820-00-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
66230-04-4	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
66267-77-4	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
97-11-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
58769-20-3	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
4466-14-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
39515-40-7	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
79538-32-2	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
51877-74-8	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
52645-53-1	Barron(2015) Martin(2015) Russom(1996) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	CNS Seizure/ Stimulant		Neurotoxi city	Pyrethroid sodium channel modulation		

54774-45-7	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
61949-76-6	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
61949-77-7	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
70124-77-5	Barron(2015) Martin(2015) Russom(1996) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	CNS Seizure/ Stimulant		Neurotox-icity	Pyrethroid sodium channel modulation		
70-38-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
52315-07-8	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
63935-38-6	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
51630-58-1	Barron(2015) Martin(2015) Russom(1996) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	CNS Seizure/ Stimulant		Neurotox-icity	Pyrethroid sodium channel modulation		
102851-06-9	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
69409-94-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
68085-85-8	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
67375-30-8	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
71697-59-1	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				

83860-31-5	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
91465-08-6	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
80844-07-1	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
10453-86-8	Barron(2015) Martin(2015) Russom(1996) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	CNS Seizure/ Stimulant		Neurotox-icity	Pyrethroid sodium channel modulation		
66841-26-7	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
160791-64-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
26002-80-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
66841-25-6	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
69770-45-2	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
22431-62-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
107713-58-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
82657-04-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
105024-66-6	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				

1130296-65-9	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
84937-88-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
223419-20-3	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
54406-48-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
118712-89-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
915288-13-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
10597-73-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
28057-48-9	IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation								
23031-36-9	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
28288-05-3	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
101007-06-1	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
111376-59-1	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
35764-59-1	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								

24624-58-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
76703-62-3	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation			Neurotoxi-city	Pyrethroid sodium channel modulation				
54774-46-8	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
111872-58-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxi-city	Pyrethroid sodium channel modulation				
51630-33-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
1315501-18-8	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
66841-24-5	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
72204-43-4	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
119544-94-4	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
68523-18-2	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
66827-38-1	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
65295-49-0	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
1166-46-7	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						

137-98-4	IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation								
271241-14-6	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
303021-82-1	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
39668-02-5	IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation								
42789-03-7	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
54407-47-5	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
54774-47-9	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
68648-44-2	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
79302-84-4	Barron(2015) Martin(2015)	Neurotoxicity	Pyrethroid sodium channel modulation	Neurotoxicity	Pyrethroid sodium channel modulation						
83322-02-5	Barron(2015)	Neurotoxicity	Pyrethroid sodium channel modulation								
272451-65-7	IRAC online database	Neurotoxicity	Ryanodine receptor modulators								
500008-45-7	IRAC online database	Neurotoxicity	Ryanodine receptor modulators								
736994-63-1	IRAC online database	Neurotoxicity	Ryanodine receptor modulators								
144171-61-9	Barron(2015) Martin(2015)	Neurotoxicity	Sodium channel blocking	Neurotoxicity	Sodium channel blocking						

173584-44-6	Barron(2015) IRAC online database	Neurotoxicity	Sodium channel blocking	Neurotoxicity	Sodium channel blocking						
139968-49-3	Barron(2015) Martin(2015) IRAC online database	Neurotoxicity	Sodium channel blocking	Neurotoxicity	Sodium channel blocking	Neurotoxi-city	Sodium channel blocking				
52748-69-3	Barron(2015)	Neurotoxicity	Strychnine								
57-24-9	Barron(2015) Martin(2015)	Neurotoxicity	Strychnine	Neurotoxicity							
1421-86-9	Barron(2015)	Neurotoxicity	Strychnine								
60-41-3	Barron(2015)	Neurotoxicity	Strychnine								
30043-49-3	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
2961-68-4	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
868-77-9	McKim(1987) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Electro-philicity							
499-83-2	McKim(1987)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								

2961-62-8	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
88-89-1	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
66-56-8	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphory-lation					
577-71-9	Barron(2015) Martin(2015) Escher(2001) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors		Uncoupl-ing oxidative phosphor-rylation			
97-02-9	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Weak acid respirato-ry uncoupler			
618-87-1	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						

5388-62-5	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
534-52-1	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Reactivity		Weak acid respiratory uncoupler	
771-60-8	Barron(2015) Martin(2015) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Reactivity		Electro-philicity			
609-93-8	Barron(2015) Martin(2015) Escher(2001) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors		Uncoupl-ing oxidative phosphor-rylation			
769-39-1	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation					
946-31-6	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						

1806-29-7	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
618-80-4	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl ation	Uncoupl-ing oxidative phosphor-rylation			
29096-93-3	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
555-60-2	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
609-89-2	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphory-lation					
771-61-9	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphory-lation					

2683-43-4	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
1689-84-5	Barron(2015) Martin(2015) Escher(2001) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors		Electro-philicity			
1689-83-4	Barron(2015) Martin(2015) Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation				
2961-61-7	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
609-19-8	Barron(2015) Martin(2015) Escher(2001)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling /-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors				
50-33-9	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								

2176-62-7	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Reactivity		Weak acid respiratory uncoupler	
99-28-5	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation					
1689-82-3	Barron(2015) Martin(2015) Nendza(2006) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Weak acid respirat-ory uncoupler			
88-85-7	Barron(2015) Martin(2015) Escher(2001)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors					
15457-05-3	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
2539-17-5	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ateion						

29091-05-2	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
79622-59-6	Barron(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
3481-20-7	Barron(2015) Martin(2015) Broderius(1995) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Reactivity		Weak acid respiratory uncoupler	
4097-36-3	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
4901-51-3	Barron(2015) Martin(2015) Schuurmann(2003) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation		Reactivity		Weak acid respiratory uncoupler	
305-85-1	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation					

1198-55-6	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Reactivity		Electro-philicity	
935-95-5	Barron(2015) Martin(2015) Schuurmann(2003) Ren&Schultz(2002) Ren(2002)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation		Reactivity		Weak acid respiratory uncoupler	
58-90-2	Barron(2015) Martin(2015) Escher(2001)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation				
485-31-4	Barron(2015) Martin(2015) Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation				
131-89-5	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
50-65-7	Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								

2338-29-6	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
530-78-9	Barron(2015) Martin(2015) Nendza(2006)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation				
576-55-6	Barron(2015) Martin(2015) Schuurmann(2003)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupli-ng oxidative phosphoryl ation					
3861-47-0	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
4151-50-2	Barron(2015) Martin(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncouplers of oxidative phosphory-lation via disruption of the proton gradient					
63333-35-7	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						

320-76-3	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
7257-41-2	Barron(2015) Martin(2015)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation						
497-56-3	IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncouplers of oxidative phosphoryl-ation via disruption of the proton gradient								
122453-73-0	Barron(2015) Martin(2015) IRAC online database	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation	Uncouplers of oxidative phosphory-lation via disruption of the proton gradient					
10102-18-8	EAT (1998)	Narcosis	Metal								
13410-01-0	EAT (1998)	Narcosis	Metal								
7778-43-0	EAT (1998)	Narcosis	Metal								
7681-55-2	EAT (1998)	Narcosis	Metal								
38641-94-0	Barron(2015)	Narcosis									
12125-01-8	EAT (1998)	Narcosis	Metal								
12125-02-9	EAT (1998)	Narcosis	Metal								
7773-06-0	EAT (1998)	Narcosis	Metal								
14866-68-3	EAT (1998)	Specifically acting chemicals									

3811-04-9	EAT (1998)	Specifically acting chemicals									
60-00-4	EAT (1998)	Reactivity									
1111-78-0	EAT (1998)	Narcosis	Metal								
80-12-6	Barron(2015) Martin(2015)	Neurotoxicity		Neurotoxicity							
2923-18-4	EAT (1998)	Reactivity									
7446-20-0	EAT (1998)	Narcosis	Metal								
1336-21-6	EAT (1998)	Narcosis	Metal								
540-72-7	EAT (1998)	Narcosis	Metal								
7778-54-3	EAT (1998)	Narcosis	Metal								
121-57-3	EAT (1998)	Specifically acting chemicals									
302-01-2	EAT (1998)	Reactivity									
36791-04-5	Barron(2015) Martin(2015)	Reactivity		Reactivity							
71-19-6	EAT (1998)	Specifically acting chemicals									
10108-64-2	EAT (1998)	Narcosis	Metal								
50-63-5	EAT (1998)	Specifically acting chemicals									
142-71-2	EAT (1998)	Narcosis	Metal								
7783-06-4	EAT (1998)	Narcosis	Metal								
1600-27-7	EAT (1998)	Narcosis	Metal								
102-71-6	EAT (1998) Ren(2002)	Specifically acting chemicals		Nucleophili-city							
95-86-3	Schuurmann(2003)	Proelectro-philes									
10028-15-6	EAT (1998)	Narcosis	Metal								
13478-00-7	EAT (1998)	Narcosis	Metal								
109293-98-3	Barron(2015)	Narcosis									
684-93-5	Nendza(2006)	Reactivity	Reactivity								

10196-18-6	EAT (1998)	Narcosis	Metal								
75-36-5	EAT (1998)	Reactivity									
506-77-4	EAT (1998)	Reactivity									
7673-09-8	Barron(2015) Martin(2015)	Reactivity		Reactivity							
7647-15-6	EAT (1998)	Narcosis	Metal								
101836-92-4	Broderius(1995)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphoryl-ation								
75-21-8	EAT (1998)	Reactivity									
7723-14-0	Barron(2015)	Reactivity									
62-55-5	EAT (1998)	Reactivity									
7758-89-6	EAT (1998)	Narcosis	Metal								
687-47-8	EAT (1998)	Reactivity									
7758-98-7	EAT (1998)	Narcosis	Metal								
7758-99-8	EAT (1998)	Narcosis	Metal								
13814-96-5	EAT (1998)	Narcosis	Metal								
6080-56-4	EAT (1998)	Narcosis	Metal								
58-08-2	Russom(1996)	CNS Seizure/ Stimulant									
7733-02-0	EAT (1998)	Narcosis	Metal								
75-56-9	EAT (1998)	Reactivity									
123-30-8	Schuurmann(2003)	Proelectro-philes									
7681-82-5	EAT (1998)	Narcosis	Metal								
10043-52-4	EAT (1998)	Narcosis	Metal								
7718-54-9	EAT (1998)	Narcosis	Metal								
107-20-0	EAT (1998)	Reactivity									
5329-14-6	EAT (1998)	Narcosis	Metal								

7487-94-7	EAT (1998)	Narcosis	Metal								
7646-85-7	EAT (1998)	Narcosis	Metal								
683-72-7	Ren(2002)	Electro-philicity									
10022-31-8	EAT (1998)	Narcosis	Metal								
10042-76-9	EAT (1998)	Narcosis	Metal								
106-51-4	EAT (1998)	Specifically acting chemicals									
591-27-5	Schuurmann(2003)	Proelectro-philes									
7440-03-1	EAT (1998)	Narcosis	Metal								
7440-28-0	EAT (1998)	Narcosis	Metal								
7440-32-6	EAT (1998)	Narcosis	Metal								
7440-39-3	EAT (1998)	Narcosis	Metal								
7440-47-3	EAT (1998)	Narcosis	Metal								
7440-61-1	EAT (1998)	Narcosis	Metal								
7631-95-0	EAT (1998)	Narcosis	Metal								
10124-36-4	EAT (1998)	Narcosis	Metal								
627-30-5	Ren(2002)	Electro-philicity									
65-30-5	Russom(1997)	CNS Seizure/ Stimulant									
79-08-3	EAT (1998)	Reactivity									
824-46-4	Schuurmann(2003)	Proelectro-philes									
7783-20-2	EAT (1998)	Narcosis	Metal								
533-73-3	Schuurmann(2003)	Proelectro-philes									
500-22-1	Ren(2002)	Electro-philicity									
123-31-9	Schuurmann(2003)	Proelectro-philes									
95-55-6	Schuurmann(2003)	Proelectro-philes									
6921-29-5	McKim(1987)	Narcosis									
10099-74-8	EAT (1998)	Narcosis	Metal								

7440-36-0	EAT (1998)	Narcosis	Metal								
138-22-7	EAT (1998)	Reactivity									
25366-23-8	Nendza(2006)	Photosynth-esis inhibition									
554-12-1	EAT (1998)	Reactivity									
7646-79-9	EAT (1998)	Narcosis	Metal								
7773-01-5	EAT (1998)	Narcosis	Metal								
123-72-8	EAT (1998) Ren(2002)	Reactivity		Electro-philicity							
95-71-6	Schuurmann(2003)	Proelectro-philes									
87-66-1	Schuurmann(2003)	Proelectro-philes									
7789-43-7	EAT (1998)	Narcosis	Metal								
107-92-6	EAT (1998)	Reactivity									
1310-53-8	EAT (1998)	Narcosis	Metal								
50-78-2	EAT (1998)	Specifically acting chemicals									
96-17-3	Ren(2002)	Electro-philicity									
371-40-4	Ren&Schultz(2002)	Narcosis									
2439-10-3	Barron(2015)	Reactivity									
4460-86-0	Ren(2002)	Electro-philicity									
112-00-5	EAT (1998)	Specifically acting chemicals									
56-25-7	Barron(2015) Martin(2015)	Reactivity		Reactivity							
137-30-4	Barron(2015)	Reactivity									
99-57-0	Schuurmann(2003)	Soft electrophiles									
124-63-0	Barron(2015) Martin(2015)	Reactivity		Reactivity							
494-52-0	Barron(2015) Martin(2015)	Neurotoxicity		Neurotoxicity							
104-91-6	Schuurmann(2003)	Soft electrophiles									
7440-31-5	EAT (1998)	Narcosis	Metal								

7758-95-4	EAT (1998)	Narcosis	Metal								
608-43-5	Schuurmann(2003)	Proelectro-philes									
452-86-8	Schuurmann(2003)	Proelectro-philes									
2447-79-2	Ren(2002)	Electro-philicity									
80-62-6	EAT (1998) Ren(2002)	Reactivity		Electro-philicity							
101-42-8	Nendza(2006)	Photosyn-thesis inhibition									
615-67-8	Schuurmann(2003)	Proelectro-philes									
98-88-4	EAT (1998)	Reactivity									
41394-05-2	Nendza(2006)	Photosyn-thesis inhibition									
99-61-6	EAT (1998)	Reactivity									
3011-34-5	Schuurmann(2003)	Soft electrophiles									
59-85-8	Nendza(2006)	Photosyn-thesis inhibition									
57213-69-1	EAT (1998)	Specifically acting chemicals									
601-89-8	Schuurmann(2003)	Soft electrophiles									
488-17-5	Schuurmann(2003)	Proelectro-philes									
42454-06-8	Ren(2002)	Electro-philicity									
700-13-0	Schuurmann(2003)	Proelectro-philes									
78-59-1	EAT (1998)	Reactivity									
552-89-6	Ren(2002)	Electro-philicity									
446-52-6	Ren(2002)	Electro-philicity									
5922-60-1	Ren(2002)	Electro-philicity									
613-45-6	Ren(2002)	Electro-philicity									
350-46-9	Ren&Schultz(2002) Ren(2002)	Reactivity		Electro-philicity							
886-86-2	Broderius(1995)	Narcosis	Nonpolar								

95-85-2	Schuurmann(2003)	Proelectro-philes									
100-10-7	Ren(2002)	Electro-philicity									
88-75-5	Ren&Schultz(2002)	Reactivity									
7553-56-2	EAT (1998)	Narcosis	Metal								
619-50-1	Ren(2002)	Electro-philicity									
446-36-6	Schuurmann(2003)	Soft electrophiles									
583-69-7	Schuurmann(2003)	Proelectro-philes									
142-62-1	Ren(2002)	Nucleo-philicity									
107-05-1	EAT (1998)	Reactivity									
140-11-4	EAT (1998)	Reactivity									
2138-22-9	Schuurmann(2003)	Proelectro-philes									
57-43-2	Nendza(2006)	Respiratory inhibitors	Respiratory inhibitors								
121-14-2	Ren&Schultz(2002) Ren(2002)	Reactivity		Electro-philicity							
131-52-2	EAT (1998)	Specifically acting chemicals									
5372-81-6	McKim(1987)	Narcosis									
104-88-1	Ren(2002)	Electro-philicity									
121-87-9	Barron(2015) Martin(2015) Broderius(1995) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Electro-philicity			
2042-14-0	Schuurmann(2003)	Soft electrophiles									
1204-21-3	EAT (1998)	Reactivity									
623-91-6	Nendza(2006)	Thiol alkylating agents									
6361-21-3	Ren(2002)	Electro-philicity									
529-20-4	Ren(2002)	Electro-philicity									
100-44-7	EAT (1998) Nendza(2006)	Reactivity	Reactivity	Reactivity							
1746-81-2	EAT (1998)	Reactivity									

10031-82-0	Ren(2002)	Electro-philicity									
2764-72-9	EAT (1998)	Specifically acting chemicals									
109-64-8	Barron(2015) Martin(2015) Russom(1996)	Reactivity		Reactivity		Reactivity					
119-33-5	Schuurmann(2003)	Soft electrophiles									
274671-61-3	Barron(2015)	Reactivity									
653-37-2	Ren(2002)	Electro-philicity									
121-73-3	Ren&Schultz(2002) Ren(2002)	Reactivity		Electro-philicity							
89-64-5	Schuurmann(2003)	Soft electrophiles									
2581-34-2	Schuurmann(2003)	Soft electrophiles									
3698-83-7	Ren(2002)	Electro-philicity									
1199-46-8	Schuurmann(2003)	Proelectro-philes									
577-19-5	EAT (1998)	Reactivity									
84-11-7	EAT (1998)	Reactivity									
619-08-9	Schuurmann(2003)	Soft electrophiles									
24691-80-3	Nendza(2006)	Respiratory inhibitors	Respiratory inhibitors								
6284-83-9	Ren(2002)	Electro-philicity									
2973-19-5	Schuurmann(2003)	Soft electrophiles									
92-88-6	Nendza(2006)	Estrogenic compounds									
109-21-7	EAT (1998)	Reactivity									
53112-28-0	Barron(2015)	Narcosis									
34123-59-6	EAT (1998)	Specifically acting chemicals									
3428-24-8	Veith(1993)	Soft electrophiles									
7147-89-9	Schuurmann(2003)	Soft electrophiles									
95-52-3	Veith(1993)	Soft electrophiles									

122-03-2	Ren(2002)	Electro-philicity									
1314-62-1	EAT (1998)	Narcosis	Metal								
89-60-1	EAT (1998)	Reactivity									
874-42-0	Ren(2002)	Electro-philicity									
77086-21-6	Barron(2015) Martin(2015)	Neurotoxicity		Neurotoxicity							
527-54-8	Escher(2001)	Narcosis									
2905-69-3	Ren(2002)	Electro-philicity									
57-09-0	EAT (1998)	Specifically acting chemicals									
102-08-9	EAT (1998)	Specifically acting chemicals									
2460-49-3	Veith(1993)	Soft electrophiles									
50-55-5	Barron(2015) Martin(2015)	Neurotoxicity		Neurotoxicity							
4117-14-0	Ren&Schultz(2002) Ren(2002)	Reactivity		Pro-electro-philicity							
131-17-9	EAT (1998)	Reactivity									
92-69-3	Ren&Schultz(2002)	Narcosis									
2499-95-8	Ren(2002)	Electro-philicity									
15231-91-1	Nendza(2006)	Estrogenic compounds									
4097-49-9	Escher(2001)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors									
583-53-9	Veith(1993)	Soft electrophiles									
70592-80-2	EAT (1998)	Specifically acting chemicals									
30030-25-2	Russom(1997)	Reactivity									
584-84-9	EAT (1998)	Reactivity									
156052-68-5	Barron(2015)	Narcosis									

95-63-6	Ren&Schultz(2002)	Narcosis									
103-33-3	EAT (1998)	Reactivity									
13979-81-2	Escher(2001)	Uncoupling/-Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors									
97-77-8	Barron(2015) Martin(2015)	Reactivity		Non-AChE inhibition	Non-Carbamate						
208-96-8	PAH list	Narcosis									
67-36-7	Ren(2002)	Electro-philicity									
64470-88-8	EAT (1998)	Specifically acting chemicals									
50-28-2	EAT (1998) Nendza(2006)	Estrogenic compounds		Specifically acting chemicals							
94-99-5	Nendza(2006)	Reactivity	Reactivity								
639-58-7	EAT (1998)	Specifically acting chemicals									
2528-36-1	EAT (1998)	Specifically acting chemicals									
581-42-0	PAH list	Narcosis									
132-65-0	PAH list	Narcosis									
882-33-7	Barron(2015) Martin(2015) Russom(1996)	Reactivity		Reactivity		Reactivity					
575-41-7	PAH list	Narcosis									
330-93-8	McKim(1987)	AChE inhibition									
81-19-6	Veith(1993)	Soft electrophiles									
1643-20-5	EAT (1998)	Specifically acting chemicals									
84-68-7	EAT (1998)	Reactivity									
2245-38-7	PAH list	Narcosis									

1730-37-6	PAH list	Narcosis									
77-47-4	Barron(2015) Martin(2015)	Reactivity		Reactivity							
5522-43-0	PAH list	Narcosis									
832-69-9	PAH list	Narcosis									
3389-71-7	EAT (1998)	Specifically acting chemicals									
13209-15-9	Veith(1993)	Soft electrophiles									
1918-11-2	Barron(2015) Martin(2015)	Narcosis		Non-AChE inhibition	Non-Carbamate						
5821-51-2	PAH list	Narcosis									
1825-21-4	Veith(1993)	Soft electrophiles									
217-59-4	PAH list	Narcosis									
1806-26-4	Nendza(2006)	Estrogenic compounds									
1962-75-0	EAT (1998)	Reactivity									
194-59-2	PAH list	Narcosis									
84-16-2	Nendza(2006)	Estrogenic compounds									
224-42-0	PAH list	Narcosis									
1241-94-7	EAT (1998)	Specifically acting chemicals									
226-36-8	PAH list	Narcosis									
56-55-3	PAH list	Narcosis									
92-24-0	PAH list	Narcosis									
205-99-2	PAH list	Narcosis									
57-97-6	PAH list	Narcosis									
218-01-9	PAH list	Narcosis									
3542-36-7	EAT (1998)	Specifically acting chemicals									
3697-24-3	PAH list	Narcosis									
205-82-3	PAH list	Narcosis									

207-08-9	PAH list	Narcosis									
50-32-8	PAH list	Narcosis									
1309-64-4	EAT (1998)	Narcosis	Metal								
53469-21-9	EAT (1998)	Specifically acting chemicals									
12672-29-6	EAT (1998)	Specifically acting chemicals									
483-65-8	PAH list	Narcosis									
56-49-5	PAH list	Narcosis									
85-69-8	EAT (1998)	Reactivity									
191-24-2	PAH list	Narcosis									
193-39-5	PAH list	Narcosis									
53-70-3	PAH list	Narcosis									
1746-01-6	EAT (1998)	Specifically acting chemicals									
60-13-9	Russom(1997)	CNS Seizure/ Stimulant									
84-75-3	EAT (1998)	Reactivity									
11097-69-1	EAT (1998)	Specifically acting chemicals									
135-48-8	PAH list	Narcosis									
29761-21-5	EAT (1998)	Specifically acting chemicals									
189-55-9	PAH list	Narcosis									
189-64-0	PAH list	Narcosis									
192-65-4	PAH list	Narcosis									
5385-75-1	PAH list	Narcosis									
732-26-3	Ren&Schultz(2002)	Narcosis									
117-81-7	EAT (1998)	Reactivity									
191-07-1	PAH list	Narcosis									

191-30-0	PAH list	Narcosis									
117-84-0	EAT (1998)	Reactivity									
103-23-1	EAT (1998)	Reactivity									
27554-26-3	EAT (1998)	Reactivity									
26636-01-1	EAT (1998)	Specifically acting chemicals									
1461-25-2	EAT (1998)	Specifically acting chemicals									
28553-12-0	EAT (1998)	Reactivity									
26761-40-0	EAT (1998)	Reactivity									
77-58-7	EAT (1998)	Specifically acting chemicals									
57583-34-3	EAT (1998)	Specifically acting chemicals									
3648-20-2	EAT (1998)	Reactivity									
107-64-2	EAT (1998)	Specifically acting chemicals									
61789-80-8	EAT (1998)	Specifically acting chemicals									
119-06-2	EAT (1998)	Reactivity									
13356-08-6	EAT (1998)	Specifically acting chemicals									
3590-84-9	EAT (1998)	Specifically acting chemicals									
595-90-4	EAT (1998)	Specifically acting chemicals									
78-96-6	Ren(2002)	Nucleo-philicity									
141-43-5	Ren(2002)	Electro-philicity									
1020-31-1	Schuurmann(2003)	Proelectro-philes									
394-41-2	Schuurmann(2003)	Soft electrophiles									
1687-53-2	Schuurmann(2003)	Proelectro-philes									

41458-65-5	Schuurmann(2003)	Proelectro-philes									
2635-95-2	Schuurmann(2003)	Proelectro-philes									
3096-69-3	Schuurmann(2003)	Proelectro-philes									
3316-09-4	Schuurmann(2003)	Soft electrophiles									
704-13-2	Schuurmann(2003)	Soft electrophiles									
533-74-4	Barron(2015) Martin(2015) IRAC online database	Reactivity		Non-AChE inhibition	Non-Carbamate	Miscellan-eous non-specific (or multi-site) inhibition	Miscellan-eous non-specific (multi-site) inhibitors				
6538-07-2	Schuurmann(2003)	Soft electrophiles									
584-79-3	Barron(2015) IRAC online database	Neurotoxicity	Pyrethroid sodium channel modulation								
10605-21-7	Barron(2015) Martin(2015)	Reactivity		Non-AChE inhibition	Non-Carbamate						
1114-71-2	Barron(2015) Martin(2015)	Neurotoxicity		Non-AChE inhibition	Non-Carbamate						
117-81-2	EAT (1998)	Reactivity									
1303-96-4	Barron(2015) IRAC online database	Reactivity		Miscellan-eous non-specific (or multi-site) inhibition	Miscellan-eous non-specific (multi-site) inhibitors						
161326-34-7	Barron(2015)	Narcosis									
19295-81-9	EAT (1998)	Reactivity									
22756-17-8	IRAC online database	AChE inhibition									
5202-36-8	EAT (1998)	Specifically acting chemicals									
52769-67-2	EAT (1998)	Specifically acting chemicals									
57018-04-9	Barron(2015) Martin(2015)	Narcosis		Non-AChE inhibition	Non-Organophos-phate						
638-18-1	EAT (1998)	Specifically acting chemicals									

64249-01-0	Barron(2015) Martin(2015)	Neurotoxicity		Non-AChE inhibition	Non-Organophos-phate						
66113-72-2	EAT (1998)	Specifically acting chemicals									
68391-03-7	EAT (1998)	Specifically acting chemicals									
10043-01-3	EAT (1998)	Narcosis	Metal								
10277-43-7	EAT (1998)	Narcosis	Metal								
10377-48-7	EAT (1998)	Narcosis	Metal								
12194-95-5	EAT (1998)	Narcosis	Metal								
143447-72-7	IRAC online database	Growth/ Development inhibition	Microbial Disruptors of insect midgut membranes								
1965-09-9	Russom(1997)	Narcosis	Nonpolar								
68989-20-8	EAT (1998)	Narcosis	Metal								
7787-56-6	EAT (1998)	Narcosis	Metal								
7789-02-8	EAT (1998)	Narcosis	Metal								
7789-18-6	EAT (1998)	Narcosis	Metal								
7790-69-4	EAT (1998)	Narcosis	Metal								
7791-18-6	EAT (1998)	Narcosis	Metal								

CAS	**Sequential References**	**Ref 1 - Br MoA**	**Ref 1 - Sp MoA**	**Ref 2 - Br MoA**	**Ref 2 - Sp MoA**	**Ref 3 - Br MoA**	**Ref 3 - Sp MoA**	**Ref 4 - Br MoA**	**Ref 4 - Sp MoA**	**Ref 5 - Br MoA**	**Ref 5 - Sp MoA**	**Ref 6 - Br MoA**	**Ref 6 - Sp MoA**	**Ref 7 - Br MoA**	**Ref 7 - Sp MoA**
100-25-4	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz (2002) Ren(2003) Ren(2002)	Reactivity	Di/trinitroa-romatic	Reactivity		Uncoupling /Inhibiting Oxidative Phosphoryl ation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Reactivity		Narcosis	Nonpolar	Electro-philicity			
100-02-7	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003)	Narcosis	Polar	Narcosis	Polar	Uncoupling /Inhibiting Oxidative Phosphoryl ation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Soft electro philes		Reactiv-ity		Narcosis	Polar		

589-16-2	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar	Narcosis	Polar		
527-60-6	Barron(2015) Martin(2015) Russom(1996) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Polar	Narcosis		Narcosis	Polar	Narcosis	Polar
88-06-2	Barron(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphory lation	Narcosis	Polar	Narcosis		Narcosis	Polar	Narcosis	Polar		
120-82-1	Barron(2015) Martin(2015) Nendza(2006) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis	Nonpolar	Narcosis		Narcosis	Nonpolar	Narcosis	Nonpo-lar		
150-76-5	Barron(2015) Martin(2015) Russom(1996) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
108-95-2	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
150-19-6	Barron(2015) Martin(2015) Broderius(1995) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
106-48-9	Barron(2015) Martin(2015) EAT (1998) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Polar		Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
95-48-7	Barron(2015) Martin(2015) Russom(1996) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Narcosis		Narcosis	Polar	Narcosis	Polar		

95-57-8	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
105-67-9	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
120-83-2	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2003) Ren(2002)	Narcosis	Polar	Narcosis	Polar	Narcosis	Polar	Polar		Narcosis		Narcosis	Polar	Narcosis	Polar
51-28-5	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphor-ylation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling oxidative phosphory-lation		Reactiv-ity		Narcosis	Ester		
329-71-5	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphor-ylation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling oxidative phosphory-lation		Reactiv-ity		Weak acid respire-tory uncoup-ler			
573-56-8	Barron(2015) Martin(2015) Broderius(1995) Schuurmann(2003) Ren&Schultz (2002) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphor-ylation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling oxidative phosphory-lation		Reactiv-ity		Weak acid respire-tory uncoup-ler			
87-86-5	Barron(2015) Martin(2015) Nendza(2006) Schuurmann(2003) Ren&Schultz (2002) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphor-ylation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling oxidative phosphory-lation		Reactiv-ity		Weak acid respire-tory uncoup-ler			
608-71-9	Barron(2015) Martin(2015) Russom(1996) Schuurmann(2003) Ren&Schultz (2002) Ren(2002)	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupl-ing oxidative phosphor-ylation	Uncoupling /Inhibiting Oxidative Phosphory-lation-Electron transport inhibitors	Uncoupling oxidative phosphory-lation	Uncoupling oxidative phosphory-lation		Reactiv-ity		Weak acid respire-tory uncoup-ler			

A.2 Acute Aquatic Toxicity Information for Compounds in the Model Database

Table A.2. Acute Aquatic Toxicity Information for Model Compounds. Data was extracted from ECOTOX, EPA T.E.S.T, and literature.[15, 43, 59] Note that Active Ingredient (A.I.) and Confidence Interval (C.I.) are abbreviated in the column titles.

Chemical	CAS No.	Class	Common Name	Species	Age	Test Type	A.I. (%)	Study Time	Dose Type	Toxicity	Units	C.I.
(S)-Dimethenamid	163515-14-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	91.1	48 hr	EC50	12	PPM	10-13
(S)-Dimethenamid	163515-14-8	Crustacea	Mysid	Americamysis bahia	N.R.	F	91.1	96 hr	LC50	3.2	PPM	2.7-3.9
(S)-Dimethenamid	163515-14-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.9 g	F	91.1	96 hr	LC50	6.3	PPM	3.7-11
(S)-Dimethenamid	163515-14-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	91.1	96 hr	LC50	12	PPM	9.2-16.0
(S)-Dimethenamid	163515-14-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.29 g	F	91.9	96 hr	LC50	10	PPM	7.5-12.0
1,2,4-Triazole	288-88-0	Fish	Rainbow trout	Oncorhynchus mykiss	1.27 g	S	91.9	96 hr	LC50	498	PPM	378-657
1,2-Benzenedicarboxaldehyde	643-79-8	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99	48 hr	EC50	87	PPB	30-120
1,2-Benzenedicarboxaldehyde	643-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	F	99	96 hr	LC50	72	PPB	46-160
1,2-Benzenedicarboxaldehyde	643-79-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.6	48 hr	EC50	90	PPB	80-120
1,2-Benzenedicarboxaldehyde	643-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.79 g	SR	99.8	96 hr	LC50	0.02	PPM	0.013-0.026
1,2-Benzenedicarboxaldehyde (Ucarcide P200)	643-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.79 g	SR	99.8	96 hr	LC50	20	PPB	130-260
1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	73.6	48 hr	EC50	2	PPM	1.7-2.4
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	73.6	96 hr	LC50	1.8	PPM	1.5-2.2
1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	76.1	48 hr	EC50	4.4	PPM	3.9-4.9

1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Mysid	Americamysis bahia	<24 hr	S	76.1	96 hr	LC50	1.4	PPM	1.0-2.2
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.57g	F	76.1	96 hr	LC50	16	PPM	18-26
1,2-Benzisothiazolin-3-one	2634-33-5	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	76.1	48 hr	EC50	0.062	PPM	0.058-0.067
1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Water flea	Daphnia magna	12 hr	S	77.6	48 hr	EC50	1.1	PPM	0.91-1.34
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Rainbow trout	Oncorhynchus mykiss	4.4 g	F	93	96 hr	LC50	1.6	PPM	0.8-2.8
1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.2	48 hr	EC50	97	PPB	97-140
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Rainbow trout	Oncorhynchus mykiss	46 mm	F	93.2	96 hr	LC50	167	PPB	67-290
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Bluegill sunfish	Lepomis macrochirus	29 mm	F	93.2	96 hr	LC50	540	PPB	350-820
1,2-Benzisothiazolin-3-one	2634-33-5	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99.29	48 Hr	EC50	2.24	PPM	1.84-2.73
1,2-Benzisothiazolin-3-one	2634-33-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.24 g	S	99.29	96 Hr	LC50	0.75	PPM	0.65-0.88
1,2-Benzisothiazolin-3-one Preventol BIT 85	2634-33-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	89.8	48 hr	EC50	3.7	PPM	2.9-4.6
1,2-Benzisothiazolin-3-one Preventol BIT 85	2634-33-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.38 g	F	89.9	96 hr	LC50	1.9	PPM	1.5-2.4
1,2-Benzisothiazolin-3-one, 2-butyl	4299-07-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.2	48 hr	EC50	97	PPB	77 - 140
1,2-Benzisothiazolin-3-one, 2-butyl	4299-07-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	93.2	96 hr	LC50	167	PPB	67 - 290
1,2-Benzisothiazolin-3-one, 2-butyl	4299-07-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.54 g	F	93.2	96 hr	LC50	540	PPB	350 - 820
1,2-Benzisothiazolin-3-one, 2-butyl (24 hour)	4299-07-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.54 g	F	93.2	24 hr	LC50	540	PPB	350 - 820
1,2-Benzisothiazolin-3-one, 2-butyl (48 hour)	4299-07-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	93.2	48 hr	LC50	167	PPB	67 - 290
1,3 Dichloropropene (3-CAA metabolite)	542-75-6	Crustacea	Water flea	Daphnia magna	<24 hr	SR	100	48 hr	EC50	55	PPM	25-95
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	92	N.R.	LC50	4.55	PPM	3.64-5.6
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	92	96 hr	LC50	7.09	PPM	5.16-9.7
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	92	96 hr	LC50	3.94	PPM	3.1-4.9

1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	92	96 hr	LC50	6.7	PPM	5.8-7.76
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96	96 hr	LC50	0.7	PPM	0.6-0.85
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.27 g	F	96	96 hr	LC50	0.87	PPM	0.57-1.1
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.37 g	F	96	96 hr	LC50	3.7	PPM	2.8-4.8
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	0.64	PPM	0.57-0.71
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	0.09	PPM	0.063-0.129
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	100	96 hr	LC50	4.1	PPM	3.4-4.97
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Largemouth bass	Micropterus salmoides	1.0 g	S	100	96 hr	LC50	3.65	PPM	3.5-3.78
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Walleye	Stizostedion vitreum v.	1.3 g	S	100	96 hr	LC50	1.08	PPM	0.99-1.2
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Crustacea	Water flea	Daphnia magna	1st-I	S	80+	48 hr	EC50	6.2	PPM	4.3-9.0
1,3 Dichloropropene (Telone soil fumigant)	542-75-6	Fishes	Bluegill sunfish	Lepomis macrochirus	.3-1 g	S	80+	96 hr	LC50	6.1	PPM	5.1-6.8
1,3 Dichloropropene 3-chloroacrylic acid degr	542-75-6	Crustacea	Water flea	Daphnia magna	<24hr	SR	100	48 hr	EC50	55	PPM	49.5-65.4
1,3,5-Triethylhexahydro-s-triazine,VancideTH	7779-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	95	96 hr	LC50	23.3	PPM	16.4-32.9
1,3,5-Triethylhexahydro-s-triazine,VancideTH	7779-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	95	96 hr	LC50	30.8	PPM	24.6-38.7
1,3,5-Triethylhexahydro-s-triazine,VancideTH	7779-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64 g	F	96.06	96 hr	LC50	35	PPM	18-54
1,3,5-Triethylhexahydro-s-triazine,VancideTH	7779-27-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.4	48 hr	EC50	15.3	PPM	7.1-28

1,3,5-Triethylhexahydro-s-triazine,VancideTH	7779-27-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.79	48 hr	EC50	26	PPM	12-37
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	82	48 hr	EC50	140	PPB	81-230
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	F	82	96 hr	LC50	25	PPB	13-41
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	F	82	96 hr	LC50	57	PPB	50-89
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	80F	48 hr	LC50	230	PPB	210-250
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	80F	96 hr	LC50	290	PPB	270-300
1,4-Bis(bromoacetoxy)-2-butene (BBAB)	20679-58-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	80F	96 hr	LC50	145	PPB	N.R.
10,10 Oxybisphenoxarsine (Vi-Nylate)	58-36-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	98	96 hr	LC50	2.23	PPM	1.76-2.52
2-(Hydroxymethyl)amino)ethanol	34375-28-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	97	48 hr	EC50	25.2	PPM	19.6-31.7
2,4 DP-p-2-ethylhexyl	865363-39-9	Fishes	Rainbow trout	Oncorhynchus mykiss	2.8 g	S	93.2	96 hr	LC50	7.9	PPM	6.07-13.4
2,4 DP-p-2-ethylhexyl	865363-39-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.9 g	S	93.2	96 hr	LC50	7.7	PPM	3.09-15.1
2,4,5 -T isooctyl ester of acid	NR	Fishes	Rainbow trout	Oncorhynchus mykiss	0.891	S	88	96 Hr	LC50	29.4	PPM	27.0-32.0
2,4,5 -T isooctyl ester of acid(Brush Blitz)	NR	Fishes	Bluegill sunfish	Lepomis macrochirus	1.097	S	88	96 Hr	LC50	45	PPM	40.5-50.0
2,4,5-T acid	93-76-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.47 g	S	97	72 hr	LC50	29	PPM	25-33
2,4,5-T Isooctyl ester	1928-47-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.47 g	S	97	96 hr	LC50	23	PPM	19.6-27.0
2,4,5-T isooctyl ester	1928-47-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.58 g	S	100	96 hr	LC50	17	PPM	12.8-21.8
2,4-D 2-EHE (Slago Weed Killer)	1928-43-4	Fishes	Rainbow trout	Oncorhynchus mykiss	37 mm	S	85.9	96 hr	LC50	51	PPM	N.R.
2,4-D 2-EHE	1928-43-4	Crustacea	Water flea	Daphnia magna	1st-I	S	92	48 hr	EC50	18.8	PPB	14.2-24.9
2,4-D 2-EHE	1928-43-4	Crustacea	Water flea	Daphnia magna	instar	S	Tech	48 hr	EC50	0.5	PPM	0.26-0.96
2,4-D 2-EHE (Slavo Weed Killer)	1928-43-4	Fishes	Rainbow trout	Oncorhynchus mykiss	37 mm	S	85	96 hr	LC50	51	PPM	N.R.
2,4-D 2-EHE (Weed Rhap LV-6D)	1928-43-	Fishes	Rainbow trout	Oncorhynchus	0.26g	S	94.2	96 hr	LC50	96	PPM	80.5-

	4			mykiss								114.4
2,4-D Acid	94-75-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.1	96 hr	EC50	58.7	PPM	54.2-64.1
2,4-D Acid	94-75-7	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	F	96.1	96 hr	LC50	467	PPM	410-543
2,4-D Acid	94-75-7	Fishes	Inland silverside	Menidia beryllina	N.R.	F	96.1	96 hr	LC50	175	PPM	128-217
2,4-D Acid	94-75-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.1	96 hr	EC50	146	PPM	127-158
2,4-D Acid	94-75-7	Crustacea	Water flea	Daphnia magna	1st-I	S	98.7	48 hr	EC50	25	PPM	17.6-32.6
2,4-D Acid	94-75-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	S	98.7	96 hr	LC50	110	PPM	77-157
2,4-D Acid	94-75-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	98.7	96 hr	LC50	180	PPM	N.R.
2,4-D Acid	94-75-7	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	98.7	96 hr	LC50	133	PPM	103-171
2,4-D Acid	94-75-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	S	98.7	96 hr	LC50	263	PPM	220-302
2,4-D Acid	94-75-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.34 g	S	98.7	96 hr	LC50	358	PPM	320-400
2,4-D Acid	94-75-7	Fishes	Fathead minnow	Pimephales promelas	0.14 g	S	98.7	96 hr	LC50	320	PPM	299-343
2,4-D Acid	94-75-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.5 g	S	100	96 hr	LC50	24.5	PPM	18.4-32.6
2,4-D Acid	94-75-7	Fishes	Lake trout	Salvelinus namaycush	0.3 g	S	100	96 hr	LC50	44.5	PPM	35.3-56.1
2,4-D Butoxyethanol Ester	1929-73-3	Crustacea	Brown shrimp	Penaeus aztecus	Juv	S	70	48 hr	LC50	5.6	PPM	N.R.
2,4-D Butoxyethanol Ester	1929-73-3	Fishes	Longnose killifish	Fundulus similis	Juv	S	70	48 hr	LC50	5	PPM	N.R.
2,4-D Butoxyethanol Ester	1929-73-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	70	96 hr	EC50	2.6	PPM	N.R.
2,4-D Butoxyethanol Ester	1929-73-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.4	48 hr	EC50	7.2	PPM	6.4-8.1
2,4-D Butoxyethanol Ester	1929-73-3	Fishes	Rainbow trout	Oncorhynchus mykiss	27 mm	S	97.4	96 hr	LC50	2.09	PPM	1.7-2.4
2,4-D Butoxyethanol Ester	1929-73-3	Fishes	Bluegill sunfish	Lepomis macrochirus	20 mm	S	97.4	96 hr	LC50	0.61	PPM	0.5-0.71
2,4-D Butoxyethanol Ester	1929-73-3	Fishes	Fathead minnow	Pimephales promelas	16 mm	S	97.4	96 hr	LC50	2.5	PPM	2.3-2.8
2,4-D Butoxyethanol Ester	1929-73-3	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	48 hr	LC50	0.76	PPM	0.5-1.1
2,4-D Butoxyethanol Ester -Weed-Rhap LV Oxy6D	1929-73-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.69 g	S	77.5	96 hr	LC50	0.65	PPM	N.R.
2,4-D butoxypropyl esters(4)	1928-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.48 g	S	72.5	96 hr	LC50	5.4	PPM	4.3-6.7
2,4-D Butyl Ester	94-80-4	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.5 g	S	98.4	96 hr	LC50	0.49	PPM	0.4-0.6
2,4-D Butyl Ester	94-80-4	Fishes	Lake trout	Salvelinus namaycush	0.4 g	S	98.4	96 hr	LC50	0.6	PPM	0.54-0.66
2,4-D Butyl Ester	94-80-4	Fishes	Lake trout	Salvelinus namaycush	1.5 g	F	98.4	96 hr	LC50	0.5	PPM	0.407-0.614

2,4-D Butyl Ester	94-80-4	Fishes	Cutthroat trout	Oncorhynchus clarkii	4.2 g	F	98.5	96 hr	LC50	0.55	PPM	0.5-0.63
2,4-D Butyl Ester	94-80-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	100	96 hr	LC50	0.4	PPM	0.29-0.55
2,4-D Butyl Ester	94-80-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	96 hr	EC50	2.8	PPM	2.3-3.4
2,4-D Butyl Ester	94-80-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.97 g	S	Tech	96 hr	LC50	0.8	PPM	N.R.
2,4-D Butyl Ester	94-80-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.64 g	S	Tech	96 hr	LC50	0.3	PPM	0.27-0.33
2,4-D Isooctyl Ester	25168-26-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	92	96 hr	LC50	22	PPM	18-26
2,4-D Isooctyl Ester	25168-26-7	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	92	96 hr	LC50	18	PPM	14-22
2,4-D Isooctyl Ester	25168-26-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	54	PPB	38-75
2,4-D Isopropyl Ester	94-11-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.2	48 hr	EC50	2.6	PPM	1.9-3.7
2,4-D Isopropyl Ester	94-11-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	98.2	96 hr	LC50	0.69	PPM	0.54-0.94
2,4-D Isopropyl Ester	94-11-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	F	98.2	96 hr	LC50	0.31	PPM	0.27-0.35
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.02	S	72.8	96 hr	LC50	0.83	PPM	0.75-0.92
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	100	48 hr	EC50	4.9	PPM	4-6.7
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	1.2	PPM	0.7-2.0
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Brown shrimp	Penaeus aztecus	Adult	F	100	48 hr	LC50	0.55	PPM	N.R.
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Blue crab	Callinectes sapidus	Juv	S	100	48 hr	LC50	2.8	PPM	N.R.
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Seed shrimp	Cypridopsis vidua	Juv	S	100	48 hr	LC50	0.4	PPM	0.25-0.69
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Sowbug	Asellus brevicaudus	Juv	S	100	96 hr	LC50	2.85	PPM	1.72-4.73
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Scud	Gammarus fasciatus	Juv	S	100	96 hr	LC50	1.6	PPM	1.2-2.1
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Juv	S	100	96 hr	LC50	0.36	PPM	0.093-1.4
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Longnose killifish	Fundulus similis	Adult	S	100	48 hr	LC50	4.5	PPM	N.R.
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Spot	Leiostomus xanthurus	Adult	S	100	48 hr	LC50	1.5	PPM	N.R.
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.5 g	S	100	96 hr	LC50	0.49	PPM	0.4-0.6
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	4.2 g	F	100	96 hr	LC50	0.33	PPM	0.28-0.39
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	100	96 hr	LC50	0.95	PPM	0.82-1.1
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	0.56	PPM	0.45-0.70

2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Lake trout	Salvelinus namaycush	0.3 g	S	100	96 hr	LC50	0.63	PPM	0.54-0.73
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Lake trout	Salvelinus namaycush	1.5 g	F	100	96 hr	LC50	0.39	PPM	0.33-0.46
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Mollusca	Eastern oyster	Crassostrea virginica	Adult	F	100	96 hr	EC50	0.055	PPM	N.R.
2,4-D Propylene Glycol B.E. Ester	1320-18-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	1.2	PPM	1.0-1.6
2,4-D propylene glycol butyl ether ester	1320-18-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	15.2	PPM	11-19.2
2,4-D, triisopropanolamine salt	32341-80-3	Crustacea	Pink shrimp	Penaeus duorarum	2.5 g	F	70.4	96 hr	LC50	1057	PPM	N.R.
2,4-D, triisopropanolamine salt	32341-80-3	Fishes	Inland silverside	Menidia beryllina	0.2 g	F	70.4	96 hr	LC50	534	PPM	399-655
2,4-D, triisopropanolamine salt	32341-80-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	70.4	96 hr	EC50	234	PPM	203-284
2,4-DB Acid	94-82-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.61 g	S	97	96 hr	LC50	16.8	PPM	12.89-21.89
2,4-DB Acid	94-82-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.26 g	S	97	96 hr	LC50	14.3	PPM	10.2-20.02
2,4-DB Acid	94-82-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.6	48 hr	EC50	25	PPM	21-36
2,4-DB Acid	94-82-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.4 g	S	100	96 hr	LC50	7.5	PPM	5.5-10.5
2,4-DB Acid	94-82-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	100	96 hr	LC50	2	PPM	1.2-3.2
2,4-DB Acid	94-82-6	Fishes	Fathead minnow	Pimephales promelas	0.5 g	S	100	96 hr	LC50	18	PPM	13-25
2,4-DP 2-Butoxyethyl Ester	53404-31-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	252	PPM	216-318
2-Benzyl-4-chlorophenol (Nipacide BCP)	120-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	0.59	PPM	0.46-0.76
2-Benzyl-4-chlorophenol (Nipacide BCP)	120-32-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.27 g	S	95	96 hr	LC50	0.33	PPM	0.26-0.43
2-Benzyl-4-chlorophenol (Nipacide BCP)	120-32-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	95	96 hr	LC50	0.72	PPM	0.4-1.2
2-Chloro-4-Phenylphenol (Dowicide)	92-04-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.01 g	S	88	96 hr	LC50	0.91	PPM	
2-Chloro-4-Phenylphenol (Dowicide)	92-04-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.81 g	S	88	96 hr	LC50	0.22	PPM	0.132 - 0.355
2-EEEBC (Debacarb) Fungisol TG	62732-91-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80/16	96 hr	LC50	700	PPM	N.R.
2-Hydroxyacetophenone	118-93-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.36 g	S	99.66	96 Hr	LC50	115	PPM	65-250
2-Hydroxyacetophenone	118-93-4	Crustacea	Water flea	Daphnia magna	<24Hrs	S	>99.66	48 Hr	EC50	47.6	PPM	39.9-58.7
2-hydroxyacetophenone	118-93-4	Crustacea	Water flea	Daphnia magna	<24 Hr	S	>99.66	48 Hr	EC50	56.5	PPM	25.0-100

2-Hydroxyethyl octyl sulfide MGK 874	3547-33-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.5	48 hr	EC50	0.37	PPM	0.28-0.48
2-Hydroxyethyl octyl sulfide MGK 874	3547-33-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.08 g	F	96.5	96 hr	LC50	2.8	PPM	2.3-3.5
2-Hydroxyethyl octyl sulfide MGK 874	3547-33-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	96.5	96 hr	LC50	2.9	PPM	2.0-3.6
2-Hydroxypropyl methanethiosulfonate(HPMTS)	30388-01-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	12	PPM	10.4-13.6
2-Methyl Benzisothiazolone(MBIT)	2527-66-4	Crustacea	Water flea	Daphnia magna	< 24hr	F	99.68	48 hr	EC50	0.92	PPM	0.65-1.3
2-Methyl Benzisothiazolone(MBIT)	2527-66-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	99.68	96 hr	LC50	0.24	PPM	0.11-0.46
2-Methyl-1,2,-Benzisothiazolin-3-one(MBIT)	2527-66-4	Crustacea	Mysid	Mysidopsis bahia	< 24hr	F	99.68	96 hr	LC50	0.48	PPM	0.40-0.58
2-Methyl-1,2,-Benzisothiazolin-3-one(MBIT)	2527-66-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99.68	96 hr	LC50	1.5	PPM	1.0-2.2
2-Phenylphenol and salts (Parinol)	17781-31-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.78 g	S	95	72 hr	LC50	1	PPM	0.715-1.14
3,5 Dimethyl-1-(hydroxymethyl)pyrazole	85264-33-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	31.7	PPM	24-60
3,5 Dimethyl-1-(hydroxymethyl)pyrazole	85264-33-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.13 g	S	99	96 hr	LC50	78	PPM	66-111
3,5 Dimethyl-1-(hydroxymethyl)pyrazole	85264-33-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	99	96 hr	LC50	123	PPM	100-152
3-Chloro-p-toluidine hydrochloride	7745-89-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.3	48 hr	EC50	0.07	PPM	0.06-0.09
3-Chloro-p-toluidine hydrochloride	7745-89-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	96.3	96 hr	LC50	9.7	PPM	4.9-14
3-Chloro-p-toluidine hydrochloride	7745-89-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.17 g	S	96.3	96 hr	LC50	10.75	PPM	8.3-13.7
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Crustacea	Mysid	Americamysis bahia	Juv	F	97.2	96 hr	LC50	89.8	PPB	67.1-152
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	97.2	96 hr	LC50	418	PPB	364-484
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.2	96 hr	EC50	23.4	PPB	22.0-43.2

3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.5	48 hr	EC50	0.16	PPM	0.14-0.17
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Fishes	Fathead minnow	Pimephales promelas	0.3 g	F	97.5	96 hr	LC50	0.2	PPM	0.18-0.23
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.36 g	F	97.5	96 hr	LC50	72	PPB	60-83
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	97.7	96 hr	LC50	226	PPB	140-320
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	97.7	96 hr	LC50	67	PPB	49-79
3-Iodo-2-propynyl butyl carbamate (IPBC)	55406-53-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.7	48 hr	EC50	956	PPB	810-1109
4-(2-nitrobutyl) morpholine (Bioban P-1487)	2224-44-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	SR	90	96 hr	LC50	830	PPB	650-1200
4-(2-nitrobutyl) morpholine (Bioban P-1487)	2224-44-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.25 g	SR	90	96 hr	LC50	750	PPB	360-1200
4,4-Dimethyloxazolidine	51200-87-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	77	48 hr	EC50	45	PPM	32-56
4,4-Dimethyloxazolidine	51200-87-4	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	77	96 hr	LC50	230	PPM	180-300
4,4-Dimethyloxazolidine	51200-87-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	77.2	96 hr	LC50	59	PPM	N.R.
4,4-Dimethyloxazolidine	51200-87-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	82	96 hr	LC50	218	PPM	171-248
4,4-Dimethyloxazolidine	51200-87-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	82.5	96 hr	EC50	9.2	PPM	5.4-10.2
4,4-Dimethyloxazolidine	51200-87-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	Tech	96 hr	LC50	95.2	PPM	90.8-101.2
4,5-Dichloro-1,2-dithio-3-one	1192-52-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.94 g	F	99.2	96 hr	LC50	0.014	PPM	0.013-0.015
4,5-Dichloro-1,2-dithio-3-one	1192-52-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.3	48 hr	EC50	11	PPB	9-13
4,5-Dichloro-1,2-dithio-3-one	1192-52-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	F	99.3	96 hr	LC50	18	PPB	12-28
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone	64359-81-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.9	48 hr	EC50	5.22	PPB	3.9-7.0
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone	64359-81-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.9	96 hr	LC50	4.7	PPB	3.4-6.1

4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone	64359-81-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.66 g	F	96.9	96 hr	LC50	20.5	PPB	17.7-23.5
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone	64359-81-5	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	96.9	48 hr	EC50	24	PPB	N.R.
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone C-9211	64359-81-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	77.2	48 hr	EC50	30.1	PPB	25.7-34.7
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone C-9211	64359-81-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.54 g	S	77.2	96 hr	LC50	22	PPB	18-27
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone C-9211	64359-81-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.22 g	S	77.2	96 hr	LC50	10.4	PPB	7.5-14.0
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone RH 287	64359-81-5	Crustacea	Marine amphipod	Leptocheirus plumulosus	Juv	S	100	10 D	LC50	98.4 (sedmnt)	MGK	91.9-105
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone RH-287	64359-81-5	Fishes	Bluegill sunfish	Lepomis macrochirus	2.4 g	F	96.9	96 hr	LC50	14	PPB	6.5-26.0
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone RH-287	64359-81-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	96.9	96 hr	LC50	2.7	PPB	1.8-3.3
4,5-Dichloro-2-n-octyl-3(2H)-isothiazolone RH-287	64359-81-5	Crustacea	Marine amphipod	Ampelisca abdita	0.8 mm	S	99.8	10 D	LC50	343 (sedmnt)	MGK	254-432
4-Aminopyridine	504-24-5	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	Tech	96 hr	LC50	4	PPM	3.2-5.0
4-Aminopyridine	504-24-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	2.82	PPM	2.3-3.5
4-Chloro-3,5-xylenol (Nipacide MX)	88-04-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.3	48 hr	EC50	7.7	PPM	6.7-9.0
4-Chloro-3,5-xylenol (Nipacide MX)	88-04-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	100	96 hr	LC50	0.36	PPM	0.13-1.0
4-Chloro-3,5-xylenol (Nipacide MX)	88-04-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.51 g	S	100	96 hr	LC50	2.7	PPM	1.8-5.0
4-Chloro-3,5-xylenol (Ottasept)	88-04-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	99	96 hr	LC50	0.76	PPM	0.45-1.3
4-Chloro-3,5-xylenol (Ottasept))	88-04-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	2.7	PPM	2.2-3.4
4-Chloro-3,5-xylenol (Ottasept))	88-04-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	Tech	96 hr	LC50	1.6	PPM	1.3-2.1
4-Chloro-3-cresol	59-50-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.9	48 hr	EC50	2300	PPB	1730-2670
4-Chloro-3-cresol	59-50-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	SR	99.9	96 hr	LC50	917	PPB	N.R.
8-Hydroxyquinoline citrite	134-30-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.65 g	S	100	96 hr	LC50	4.2	PPM	3.35-5.18
Abamectin (Avermectin B1)	71751-41-2	Fishes	Common carp	Cyprinus carpio	5.34 g	F	97	96 hr	LC50	42	PPB	32-56

Abamectin (Avermectin)	71751-41-2	Crustacea	Blue crab	Callinectes sapidus	3.4 g	S	90.5	96 hr	LC50	153	PPB	119-251
Abamectin (Avermectin)	71751-41-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	90.5	48 hr	EC50	430	PPB	280-580
Abamectin (Avermectin)	71751-41-2	Crustacea	Mysid	Americamysis bahia	N.R.	S	91	96 hr	LC50	0.21	PPB	0.1-0.32
Abamectin (Avermectin)	71751-41-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.34 g	S	91	96 hr	LC50	9.6	PPB	5.8-16
Abamectin (Avermectin)	71751-41-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	41 mg	SR	91	96 hr	LC50	15	PPB	11-20
Abamectin (Avermectin)	71751-41-2	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	91	96 hr	LC50	24	PPB	18-32
Abamectin (Avermectin)	71751-41-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.31 g	S	91.4	96 hr	LC50	3.6	PPB	2.2-6.0
Abamectin (Avermectin)	71751-41-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.43	48 hr	EC50	0.34	PPB	0.28-0.41
Acephate	30560-19-1	Crustacea	Water flea	Daphnia magna	1st-I	S	75	48 hr	EC50	1.3	PPM	0.67-2.5
Acephate	30560-19-1	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	77.1	96 hr	LC50	16.37	PPM	13.7-19.1
Acephate	30560-19-1	Crustacea	Brown shrimp	Penaeus aztecus	N.R.	S	89	48 hr	LC50	22.9	PPM	9.5-54.9
Acephate	30560-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	8.85 g	F	92	96 hr	LC50	724	PPM	603-868
Acephate	30560-19-1	Crustacea	Mysid	Americamysis bahia	Adult	F	94	96 hr	LC50	3.8	PPM	0.3-190
Acephate	30560-19-1	Fishes	Pinfish	Lagodon rhomboides	Adult	F	94	96 hr	LC50	85	PPM	7.8-930
Acephate	30560-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	94	96 hr	LC50	832	PPM	0-infinity
Acephate	30560-19-1	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	94	48 hr	EC50	150	PPM	8.0-300
Acephate	30560-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	97	96 hr	LC50	110	PPM	63-190
Acephate	30560-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	24 hr	LC50	880	PPM	N.R.
Acephate	30560-19-1	Mollusca	Eastern oyster	Crassostrea virginica	EmLrv	S	Tech	48 hr	EC50	5.41	PPM	3.2-8.9
Acephate 75S formulation	30560-19-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	75	96 hr	LC50	2000	PPM	N.R.
Acephate 75S formulation	30560-19-1	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	75	96 hr	LC50	1500	PPM	N.R.
Acephate 75S formulation	30560-19-1	Fishes	Largemouth bass	Micropterus salmoides	1.1-3g	S	75	96 hr	LC50	3000	PPM	N.R.
Acephate 75S formulation	30560-19-1	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	75	96 hr	LC50	6000	PPM	N.R.
Acequinocyl	57960-19-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97	96 hr	LC50	0.94	PPB	0.82-1.1
Acequinocyl	57960-19-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97	96 hr	EC50	0.59	PPB	0.31-1.1
Acequinocyl (AKD 2023 technical)	57960-	Crustacea	Water flea	Daphnia magna	< 24hr	F	96.9	48 hr	EC50	2.7	PPB	2.2-3.4

	19-7											
Acequinocyl (HDNQ degradate)	57960-19-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.3	48 hr	EC50	12.8	PPB	11-18
Acetamiprid	135410-20-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	50	PPM	46-62
Acetamiprid	135410-20-7	Crustacea	Scud	Gammarus fasciatus	N.R	S	99.3	96 hr	EC50	80	PPB	56-138
Acetamiprid	135410-20-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.9	96 hr	LC50	0.066	PPM	0.056-0.082
Acetamiprid	135410-20-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.53 g	F	99.9	96 hr	LC50	100	PPM	79-140
Acetamiprid	135410-20-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.9	96 hr	EC50	41	PPM	26-66
Acetamiprid IM 1 5 metabolite (CAS 125-147)	135410-20-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	24.5	PPM	20.1-29.7
Acetamiprid IM-1-4 metabolite	135410-20-7	Crustacea	Water flea	Daphnia magna	<24 hr	SR	98.7	48 hr	EC50	43.9	PPM	34.8-55.9
Acetamiprid IM-1-4 metabolite	135410-20-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.6	96 hr	LC50	19	PPM	15-24
Acetochlor	34256-82-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	89.4	48 hr	EC50	8.2	PPM	7.5-9.0
Acetochlor	34256-82-1	Crustacea	Mysid	Americamysis bahia	<24 hr	S	89.4	96 hr	LC50	5.3	PPM	3.3-11.0
Acetochlor	34256-82-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	89.4	96 hr	LC50	0.38	PPM	0.17-0.62
Acetochlor	34256-82-1	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	89.6	48 hr	EC50	8	PPM	7.2-8.8
Acetochlor	34256-82-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	89.7	96 hr	LC50	1.6	PPM	0.89-2.8
Acetochlor	34256-82-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.9 g	S	89.7	96 hr	LC50	3.9	PPM	2.9-5.1
Acetochlor	34256-82-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	90.4	96 hr	LC50	1.2	PPM	0.9-1.8
Acetochlor	34256-82-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.3	48 hr	EC50	14	PPM	10-18
Acetochlor	34256-82-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	91.3	96 hr	LC50	0.42	PPM	0.32-0.56
Acetochlor	34256-82-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92.07	96 hr	LC50	2.2	PPM	1.9-2.6
Acetochlor	34256-82-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	92.07	96 hr	LC50	2.1	PPM	1.71-2.9
Acetochlor	34256-82-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92.07	96 hr	EC50	3.82	PPM	2.5-4.77
Acetochlor	34256-82-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.16g	S	95.6	96 hr	LC50	1.3	PPM	1.0-1.8
Acibenzolar-s-methyl	135158-54-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	98	48 hr	EC50	2.9	PPM	2.5-3.5
Acibenzolar-s-methyl	135158-54-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	0.88	PPM	0.74-1.0

Acibenzolar-s-methyl	135158-54-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	F	98	96 hr	LC50	1.6	PPM	1.4-1.9
Acibenzolar-s-methyl	135158-54-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	98	96 hr	LC50	0.88	PPM	0.68-0.95
Acibenzolar-s-methyl	135158-54-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.24 g	F	98	96 hr	LC50	1.7	PPM	1.1-2.1
Acibenzolar-s-methyl	135158-54-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	0.59	PPM	0.47-0.75
Acibenzolar-s-methyl metabolite	135158-54-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	59.9	PPM	44.9-91.0
ACL 66 (Chlorinated Isocyanurate)	30622-37-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	0.22	PPM	0.19-0.24
Acrolein	107-02-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.27 g	F	85.2	96 hr	LC50	430	PPB	270-680
Acrolein	107-02-8	Crustacea	Mysid	Americamysis bahia	<24 h	F	94.69	96 hr	LC50	500	PPB	390-650
Acrolein	107-02-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.7	96 hr	EC50	106	PPB	73-183
Acrolein	107-02-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	96.4	96 hr	LC50	22.4	PPB	20.2-24.8
Acrolein	107-02-8	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	100	48 hr	LC50	100	PPB	N.R.
Acrolein	107-02-8	Fishes	Longnose killifish	Fundulus similis	Juv	F	100	48 hr	LC50	240	PPB	N.R.
Acrolein	107-02-8	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	55	PPB	N.R.
ADBAC Quat 80%	68424-85-1	Fishes	Fathead minnow	Pimephales promelas	0.1g+	SR	81.9	96 hr	LC50	0.77	PPM	0.53-0.98
ADBAC Quat 80% (in humic acid)	68424-85-1	Fishes	Fathead minnow	Pimephales promelas	0.5 g	SR	81.9	96 hr	LC50	1.4	PPM	0.99-1.8
ADBAC(BTC 2125M)	53516-76-0	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	80	96 hr	LC50	2.81	PPM	2.29-3.43
ADBAC(BTC 2125M)	53516-76-0	Crustacea	Shore crab	Pachygrapsus crassipes	N.R.	S	80	96 hr	LC50	21.6	PPM	18.1-25.8
ADBAC(BTC 2125M)	53516-76-0	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	0.42	PPM	0.35-0.50
ADBAC(BTC 2125M)	53516-76-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80	96 hr	LC50	1.25	PPM	1.07-1.46
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	80	96 hr	LC50	2.71	PPM	2.36-3.03
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	80	96 hr	LC50	7.69	PPM	7.34-8.02
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Crustacea	Mysid	Americamysis bahia	<24 hr	SR	80.8	96 hr	LC50	0.092	PPM	0.081-0.13
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.21 g	SR	80.8	96 hr	LC50	0.86	PPM	0.68-1.1
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Mollusca	Eastern oyster	Crassostrea virginica	<3 hr	S	80.8	48 hr	EC50	55.2	PPB	52.1-58.5

ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Fishes	Fathead minnow	Pimephales promelas	0.08 g	SR	81.9	96 hr	LC50	0.28	PPM	0.23-0.34
ADBAC*(50%C14, 40%C12, 10%C16)	68424-85-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.54 g	SR	95.5	96 hr	LC50	923.2	PPB	870.7-975
Alachlor	15972-60-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	90	96 hr	LC50	2.8	PPM	2.5-3.2
Alachlor	15972-60-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	1.8	PPM	1.5-2.1
Alachlor	15972-60-8	Crustacea	Water flea	Daphnia magna	1st-I	S	93	48 hr	EC50	21	PPM	15.9-27.8
Alachlor	15972-60-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.26 g	F	93.8	96 hr	LC50	3.9	PPM	2.6-6.7
Alachlor	15972-60-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8g	S	100	96 hr	LC50	2.4	PPM	1.8-3.1
Alachlor	15972-60-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	4.3	PPM	3.5-5.5
Aldicarb	116-06-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	S	99.5	96 hr	LC50	114.8	PPB	85.9-153.8
Aldicarb	116-06-3	Crustacea	Mysid	Americamysis bahia	1 D	S	99.8	96 hr	LC50	13	PPB	10-18
Aldicarb	116-06-3	Crustacea	Mysid	Americamysis bahia	Adult	F	99.8	96 hr	LC50	16	PPB	13-20
Aldicarb	116-06-3	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	99.8	96 hr	LC50	12	PPB	7.5-18.0
Aldicarb	116-06-3	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	99.8	96 hr	LC50	72	PPB	65-82
Aldicarb	116-06-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	28D-Jv	S	99.8	96 hr	LC50	170	PPB	100-320
Aldicarb	116-06-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	99.8	96 hr	LC50	41	PPB	29-68
Aldicarb	116-06-3	Fishes	Pinfish	Lagodon rhomboides	Adult	F	99.8	96 hr	LC50	80	PPB	43-150
Aldicarb	116-06-3	Fishes	Spot	Leiostomus xanthurus	Adult	S	99.8	96 hr	LC50	200	PPB	120-290
Aldicarb	116-06-3	Mollusca	Eastern oyster	Crassostrea virginica	Embryo	S	99.8	48 hr	EC50	8.8	PPM	1.40-5.60
Aldicarb	116-06-3	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	410.7	PPB	338.3-498.6
Aldicarb	116-06-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	100	96 hr	LC50	560	PPB	470-680
Aldicarb	116-06-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	100	96 hr	LC50	63.3	PPB	52.2-76.7
Aldicarb sulfoxide degradate	116-06-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.8	48 hr	EC50	0.696	PPM	0.61-0.82
Aldicarb sulfoxide degradate	116-06-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.94 g	F	98.8	96 hr	LC50	7.14	PPM	5.8-10.49
Aldoxycarb	1646-88-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	0.28	PPM	0.1-0.81
Aldoxycarb	1646-88-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	S	98	96 hr	LC50	53	PPM	44-63.8
Aldoxycarb	1646-88-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.13 g	S	98	96 hr	LC50	42	PPM	35.3-49.9

Aliphatic Solvents GB-1111 distillate	8012-95-1	Crustacea	Mysid	Americamysis bahia	Juv	S	98.75	96 Hr	LC50	0.7	PPM	0.64-0.78
Alkylamine Hydrochloride	91745-52-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	27	PPB	14-40
Alkylamine Hydrochloride	91745-52-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	0.027	PPM	0.014-0.04
Alkylamine Hydrochloride	91745-52-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.63 g	F	100	96 hr	LC50	480	PPB	400-600
Alkylamine Hydrochloride	91745-52-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	F	100	96 hr	LC50	180	PPB	140-240
Allethrin	584-79-2	Crustacea	Water flea	Daphnia pulex	1st-I	S	90	48 hr	EC50	21	PPB	19-35
Allethrin	584-79-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	90	48 hr	LC50	56	PPB	40-78
Allethrin	584-79-2	Crustacea	Scud	Gammarus fasciatus	Mat	S	90	96 hr	LC50	11	PPB	8.0-15.0
Allethrin	584-79-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	90	96 hr	LC50	19	PPB	N.R.
Allethrin	584-79-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	90	96 hr	LC50	56	PPB	N.R.
Allyl Alcohol	107-18-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.94 g	S	98	96 hr	LC50	1.06	PPM	0.9-1.3
Allyl alcohol	107-18-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.42 g	S	98	96 hr	LC50	1.28	PPM	1.16-1.41
Allyl alcohol	107-18-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.94 g	S	98	96 hr	LC50	1.08	PPM	N.R.
Ametryn	834-12-8	Crustacea	Water flea	Daphnia magna	< 24hr	S	96.7	48 hr	EC50	28	PPM	24-38
Ametryn	834-12-8	Crustacea	Mysid	Americamysis bahia	Juv	S	96.7	96 hr	LC50	2.3	PPM	1.7-2.9
Ametryn	834-12-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	96.7	96 hr	LC50	5.8	PPM	2.8-6.9
Ametryn	834-12-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	96.7	96 hr	LC50	8.5	PPM	6.5-11.0
Ametryn	834-12-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.37 g	S	96.7	48 hr	LC50	5.1	PPM	2.5-12.0
Ametryn	834-12-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	3.6	PPM	3.0-5.2
Ametryn	834-12-8	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	98	96 hr	LC50	16	PPM	9-18
Ametryn	834-12-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	99	96 hr	LC50	3.2	PPM	N.R.
Ametryn	834-12-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	99	96 hr	LC50	3.7	PPM	N.R.
Ametryn	834-12-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	100	96 hr	LC50	4.1	PPM	2.55-6.55
Ametryn	834-12-8	Fishes	Goldfish	Carassius auratus	N.R.	S	100	96 hr	LC50	14	PPM	10-19.6
Amicarbazone	129909-90-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97	96 hr	LC50	109.7	PPM	100.4-120.5
Amicarbazone	129909-90-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	40.8	PPM	25.2-69.5
Aminocarb	2032-59-9	Fishes	Channel catfish	Ictalurus punctatus	0.75 g	S	95	96 hr	LC50	45.2	PPM	36.7-59.1

Aminocarb	2032-59-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	95	96 hr	LC50	8.5	PPM	7.1-10.45
Aminocarb	2032-59-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.3	48 hr	EC50	17.5	PPB	11-32
Aminocarb	2032-59-9	Crustacea	Crayfish	Orconectes limosus	Adult	SR	97	96 hr	LC50	32700	PPB	23500-40100
Aminocarb	2032-59-9	Crustacea	Water flea	Daphnia magna	N.R.	S	97.4	48 hr	EC50	5	PPB	3.9-6.1
Aminocarb	2032-59-9	Crustacea	Scud	Gammarus pseudolimnaeus	N.R	N.R	98	96 hr	LC50	2200	PPB	1500-3300
Aminocarb	2032-59-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R	N.R	98	96 hr	LC50	5.2	PPM	3.1-8.7
Aminocarb	2032-59-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R	N.R	98	96 hr	LC50	5.7	PPM	4.8-6.8
Aminocarb	2032-59-9	Fishes	Walleye	Stizostedion vitreum v.	0.8 g	S	98	96 hr	LC50	0.88	PPM	0.755-1.03
Aminocarb	2032-59-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	N.R	N.R	98	96 hr	LC50	28000	PPB	24000-32600
Aminocarb	2032-59-9	Crustacea	Scud	Gammarus lacustris	N.R	S	Tech	96 hr	LC50	12	PPB	8-17
Aminocarb (cancelled in U.S.-1991)	2032-59-9	Crustacea	Water flea	Daphnia magna	LifCyc	F	97	15 D	EC50	2.8	PPB	NA
Aminocarb 1.5 oil	2032-59-9	Fishes	Largemouth bass	Micropterus salmoides	0.7 g	S	98	96 hr	LC50	3.1	PPM	2.8-3.5
Aminocyclopyrachlor	858956-08-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.2	48 Hr	LC50	39.7	PPM	27.2-65.6
Aminocyclopyrachlor methyl ester	858954-83-3	Crustacea	Water flea	Daphnia magna	<24 H	SR	96.9	48 H	EC50	21.3	PPM	16.8-29.8
Aminocyclopyrachlor methyl ester	858954-83-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	SR	96.9	96 H	LC50	14	PPM	8.7-34
Amitraz	33089-61-1	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95	48 hr	EC50	0.85	PPM	0.69-1.05
Amitraz	33089-61-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.63g	F	98.8	96 hr	LC50	0.34	PPM	0.30-0.40
Amitraz	33089-61-1	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	35	PPB	28-44
Amitraz	33089-61-1	Crustacea	Shore shrimp	Palaemonetes vulgaris	20 mm	S	Tech	96 hr	LC50	65.1	PPM	48-88
Amitraz	33089-61-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	1.34	PPM	1.2-1.4
Amitraz	33089-61-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	0.74	PPM	0.54-1.0
Amitraz	33089-61-1	Fishes	Common carp	Cyprinus carpio	N.R.	S	Tech	5 D	LC50	1.17	PPM	N.R.
Amitraz	33089-61-1	Fishes	Harlequin fish	Rasbora heteromorpha	N.R.	F	Tech	96 hr	LC50	N.R.	PPM	3.2-4.3
Amitraz BTS 27271degradate	33089-61-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	28.4	PPM	N.R.
Amitraz BTS 27271degradate	33089-61-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	29.3	PPM	N.R.
Amitraz degradate	33089-	Crustacea	Mysid	Americamysis bahia	<24 hr	F	81.6	96 hr	LC50	4.7	PPM	4.0-5.7

	61-1											
Amitraz degradate	33089-61-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.44 g	F	99.6	96 hr	LC50	11.5	PPM	9.4-15.6
Amitraz degradate	33089-61-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.6	96 hr	EC50	13.1	PPM	10.8-17
Amitraz degradate	33089-61-1	Crustacea	Mysid	Americamysis bahia	4 D	S	99.8	96 hr	LC50	25.2	PPM	20-33
Amitrole	61-82-5	Crustacea	Water flea	Daphnia magna	<24 Hr	S	86	48 Hr	EC50	6.9	PPM	4.67 - 10.24
Amitrole	61-82-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.8	48 hr	EC50	18	PPM	16-21
Amitrole	61-82-5	Crustacea	Mysid	Americamysis bahia	Juv	S	98.2	96 hr	LC50	2.8	PPM	2.5-3.3
Amitrole	61-82-5	Crustacea	Water flea	Daphnia magna	N.R.	S	Tech	26 hr	EC50	23	PPM	15-44
Ammonium bromide	12124-97-9	Crustacea	Water flea	Daphnia magna	< 24hr	F	99.9	48 hr	EC50	23	PPB	17-27
Ammonium bromide	12124-97-9	Crustacea	Mysid	Americamysis bahia	< 24hr	F	99.9	96 hr	LC50	36	PPB	17-66
Ammonium bromide	12124-97-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	99.9	96 hr	LC50	290	PPB	250-350
Ammonium bromide	12124-97-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.41 g	F	99.9	96 hr	LC50	58	PPB	31-88
Ammonium bromide	12124-97-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.74 g	F	99.9	96 hr	LC50	360	PPB	240-430
Ammonium bromide	12124-97-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.9	96 hr	EC50	18	PPB	3.8-110
Anilazine	101-05-3	Fishes	Spot	Leiostomus xanthurus	Juv	F	93	48 hr	LC50	0.0085	PPM	N.R.
Anilazine	101-05-3	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	93	96 hr	EC50	0.025	PPM	N.R.
Anilazine	101-05-3	Crustacea	Scud	Gammarus fasciatus	Adult	S	95.5	96 hr	LC50	0.27	PPM	0.21-0.35
Anilazine	101-05-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	95.5	96 hr	LC50	0.14	PPM	0.122-.161
Anilazine	101-05-3	Fishes	Channel catfish	Ictalurus punctatus	0.7 g	S	95.5	96 hr	LC50	0.24	PPM	0.11-.55
Anilazine	101-05-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	95.5	96 hr	LC50	0.32	PPM	0.142-.735
Anilazine	101-05-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	1.1	PPM	0.56-1.8
Anilazine	101-05-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	0.949	PPM	0.83-1.14
Anilazine	101-05-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.82 g	S	98.3	48 hr	LC50	0.193	PPM	0.181-.215
Antimycin A	1397-94-0	Crustacea	Scud	Gammarus fasciatus	Mat	S	95.5	96 hr	LC50	0.008	PPB	0.0058-.011
Antimycin A	1397-94-0	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	S	95.5	96 hr	LC50	4.5	PPB	3.0-6.0
Antimycin A	1397-94-0	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	95.5	48 hr	LC50	24	PPB	N.R.
Antimycin A	1397-94-0	Fishes	Paddlefish	Polyodon spathula	0.9 g	S	95.5	96 hr	LC50	0.001	PPB	0.0004-.003
Antimycin A	1397-94-	Fishes	Coho salmon	Oncorhynchus	1.8 g	S	95.5	96 hr	LC50	0.009	PPB	0.006-

	0			kisutch								0.014
Antimycin A	1397-94-0	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.1 g	S	95.5	96 hr	LC50	0.057	PPB	0.019-0.166
Antimycin A	1397-94-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	95.5	96 hr	LC50	0.012	PPB	0.0066-.023
Antimycin A	1397-94-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	95.5	96 hr	LC50	0.01	PPB	0.0056-.019
Antimycin A	1397-94-0	Fishes	Lake trout	Salvelinus namaycush	Finglg	S	95.5	24 hr	LC50	0.053	PPB	0.045-.063
Antimycin A	1397-94-0	Fishes	Goldfish	Carassius auratus	0.9 g	S	95.5	96 hr	LC50	0.18	PPB	0.099-.348
Antimycin A	1397-94-0	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	95.5	96 hr	LC50	0.025	PPB	0.008-0.074
Antimycin A	1397-94-0	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	95.5	96 hr	LC50	4.8	PPB	3.4-6.8
Antimycin A	1397-94-0	Fishes	Channel catfish	Ictalurus punctatus	0.1 g	S	95.5	96 hr	LC50	1.36	PPB	1.02-1.82
Antimycin A	1397-94-0	Fishes	Mosquitofish	Gambusia affinis	0.6 g	S	95.5	96 hr	LC50	0.19	PPB	0.114-0.324
Antimycin A	1397-94-0	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	95.5	96 hr	LC50	0.22	PPB	0.128-.416
Antimycin A	1397-94-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	95.5	96 hr	LC50	0.034	PPB	0.008-0.141
Antimycin A	1397-94-0	Fishes	Largemouth bass	Micropterus salmoides	0.6 g	S	95.5	96 hr	LC50	0.24	PPB	0.16-0.35
Antimycin A	1397-94-0	Fishes	Yellow perch	Perca flavescens	0.7 g	S	95.5	96 hr	LC50	0.04	PPB	0.031-.052
Antimycin A	1397-94-0	Fishes	White crappie	Pomoxis annularis	1.5 g	S	95.5	96 hr	LC50	0.34	PPB	0.27-0.42
Antimycin A	1397-94-0	Fishes	Spot	Leiostomus xanthurus	Juv	F	95.5	48 hr	LC50	0.23	PPB	N.R.
Antimycin A	1397-94-0	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	95.5	96 hr	EC50	62	PPB	N.R.
Aramite	140-57-8	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	96 hr	LC50	60	PPB	43-84
Arsenic acid	7778-39-4	Crustacea	Water flea	Daphnia magna	<18 hr	S	75	48 hr	EC50	6.46	PPM	5.48-7.66
Arsenic acid	7778-39-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.57 g	S	75	96 hr	LC50	53.05	PPM	42.09-66.86
Arsenic acid	7778-39-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.57 g	S	75	96 hr	LC50	63.3	PPM	57.1-70.1
Arsenic acid	7778-39-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.8 g	S	75	96 hr	LC50	54.4	PPM	39-110
Arsenic acid	7778-39-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	75	96 hr	LC50	50.5	PPM	38-76
Arsenic Acid	7778-39-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.67 g	S	75	96 hr	LC50	62	PPM	54-71
Arsenic Acid	7778-44-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.58 g	S	75	96 hr	LC50	64	PPM	N.R.
Arsenic acid	7778-39-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	F	75.8	96 hr	LC50	50	PPM	43-59

Arsenic acid	7778-39-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	76.1	48 hr	EC50	15	PPM	12-19
Arsenic acid	7778-39-4	Crustacea	Mysid	Americamysis bahia	<24hr	S	76.1	96 hr	LC50	2	PPM	0.85-4.80
Arsenic acid	7778-39-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.27 g	S	76.1	96 hr	LC50	28	PPM	22-35
Arsenic acid	7778-39-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.82 g	S	76.1	96 hr	LC50	72	PPM	51-110
Arsenic acid	7778-39-4	Mollusca	Quahog clam	Mercenaria mercenaria	Embryo	S	76.1	48 hr	EC50	14	PPM	13-15
Arsenic Acid formulation	7778-39-4	Crustacea	Water flea	Daphnia magna	<18 hr	S	75	24 hr	LC50	7.4	PPM	N.R.
Arsenic trioxide	1327-53-3	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99.31	48 Hr	EC50	5.2	PPM	3.85-5.81
Arsenic trioxide	1327-53-3	Fishes	Rainbow trout	Oncorhynchus mykiss	2.4 g	S	99.31	96 Hr	LC50	25.6	PPM	21.0-30.9
Arsenic trioxide	1327-53-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.74 g	S	99.31	96 Hr	LC50	40	PPM	29.6-45.6
Aspon (Cancelled in U.S.)	3244-90-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	90	96 hr	LC50	0.076	PPM	0.06-0.96
Aspon (Cancelled in U.S.)	3244-90-4	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	Tech	48 hr	LC50	2.7	PPB	N.R.
Aspon (Cancelled in U.S.)	3244-90-4	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	Tech	48 hr	EC50	32	PPB	N.R.
Aspon O,O,O,O-Tetrapropyl dithiopyrophosphate	3244-90-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R	S	90	96 hr	LC50	0.1	PPM	N.R
Aspon O,O,O,O-Tetrapropyl dithiopyrophosphate	3244-90-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	93	96 hr	LC50	0.103	PPM	0.081-0.130
Aspon O,O,O,O-Tetrapropyl dithiopyrophosphate	3244-90-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.82	PPB	0.73-0.92
Aspon O,O,O,O-Tetrapropyl dithiopyrophosphate	3244-90-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	2.4	PPB	1.0-5.6
Asulam	3337-71-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	88	96 hr	EC50	67	PPM	54-91.9
Asulam	3337-71-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	27	PPM	19.3-34.8
Asulam	3337-71-1	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	97	96 hr	EC50	0.14	PPM	0.11-0.18
Asulam	3337-71-1	Crustacea	Water flea	Daphnia magna	<3 D	S	Tech	96 hr	EC50	2.31	PPM	1.9-2.7
Asulam	3337-71-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	29.5	PPM	21.6-37.6
Atrazine	1912-24-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	94	48 hr	EC50	6.9	PPM	5.2-8.1
Atrazine	1912-24-9	Crustacea	Scud	Gammarus fasciatus	N.R.	S	94	48 hr	LC50	5.7	PPM	3.6-8.0

Atrazine	1912-24-9	Fishes	Bluegill sunfish	Lepomis macrochirus	6.5 g	S	94	96 hr	LC50	6.7	PPM	5.4-8.4
Atrazine	1912-24-9	Fishes	Fathead minnow	Pimephales promelas	1.8 g	S	94	96 hr	LC50	15	PPM	11-20
Atrazine	1912-24-9	Fishes	Brook trout	Salvelinus fontinalis	52 G	S	94	96 hr	LC50	4.9	PPM	4.0-6.0
Atrazine	1912-24-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.1	96 hr	LC50	5.4	PPM	4.5-7.4
Atrazine	1912-24-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.19 g	F	97.1	96 hr	LC50	13.4	PPM	11.2-16.6
Atrazine	1912-24-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	98.2	48 hr	LC50	1	PPM	N.R.
Atrazine	1912-24-9	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98.8	96 hr	LC50	24	PPM	0-32
Atrazine	1912-24-9	Fishes	Goldfish	Carassius auratus	N.R.	S	98.8	96 hr	LC50	60	PPM	25-102
Atrazine	1912-24-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R	S	98.8	96 hr	LC50	5.3	PPM	3.59-7.60
Atrazine	1912-24-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	54.51	PPM	N.R.
Atrazine	1912-24-9	Crustacea	Fiddler crab	Uca pugilator	Adult	S	80 WP	96 hr	LC50	197.85	PPM	130.75-288
Atrazine	1912-24-9	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	115	PPM	76-184
Atrazine	1912-24-9	Fishes	Emerald shiner	Notropis atherinoides	5.7 cm	S	WP	96 hr	LC50	15.6	PPM	N.R.
Atrazine G28279 degradate	1912-24-9	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	126	PPM	85-378
Atrazine G28279 degradate	1912-24-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.46 g	S	Tech	96 hr	LC50	16.1	PPM	9.6-31.4
Azinphos-methyl	86-50-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	88.8	96 hr	LC50	0.22	PPB	0.17-0.27
Azinphos-methyl	86-50-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.48 g	F	88.8	96 hr	LC50	2.7	PPB	2.5-3.0
Azinphos-methyl	86-50-0	Crustacea	Water flea	Daphnia magna	1st-I	S	90.6	48 hr	EC50	1.13	PPB	1.0-1.3
Azinphos-methyl	86-50-0	Fishes	Golden orfe	Leuciscus idus melanotus	1.5 g	S	92.6	96 hr	LC50	120	PPB	61-500
Azinphos-methyl	86-50-0	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	93	96 hr	LC50	21	PPB	15-28
Azinphos-methyl	86-50-0	Crustacea	Scud	Gammarus fasciatus	Adult	S	93	96 hr	LC50	0.15	PPB	0.11-0.20
Azinphos-methyl	86-50-0	Crustacea	Crayfish	Procambarus sp.	Juv	S	93	96 hr	LC50	56	PPB	41-77
Azinphos-methyl	86-50-0	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	F	93	96 hr	LC50	0.13	PPB	0.11-0.16
Azinphos-methyl	86-50-0	Fishes	Coho salmon	Oncorhynchus kisutch	0.7 g	S	93	96 hr	LC50	6.1	PPB	5.0-7.4
Azinphos-methyl	86-50-0	Fishes	Atlantic salmon	Salmo salar	0.5 g	S	93	96 hr	LC50	2.1	PPB	1.7-2.6
Azinphos-methyl	86-50-0	Fishes	Atlantic salmon	Salmo salar	Juv	F	93	96 hr	LC50	2.5	PPB	2.0-3.2
Azinphos-methyl	86-50-0	Fishes	Atlantic salmon	Salmo salar	YlkFry	S	93	96 hr	LC50	1.8	PPB	1.3-2.6

Azinphos-methyl	86-50-0	Fishes	Brown trout	Salmo trutta	1.5 g	S	93	96 hr	LC50	4.6	PPB	3.5-6.1
Azinphos-methyl	86-50-0	Fishes	Brook trout	Salvelinus fontinalis	1.2 g	S	93	96 hr	LC50	1.2	PPB	0.87-1.66
Azinphos-methyl	86-50-0	Fishes	Goldfish	Carassius auratus	0.9 g	S	93	96 hr	LC50	4270	PPB	3030-6010
Azinphos-methyl	86-50-0	Fishes	Common carp	Cyprinus carpio	0.6 g	S	93	96 hr	LC50	695	PPB	410-1280
Azinphos-methyl	86-50-0	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	93	96 hr	LC50	235	PPB	135-410
Azinphos-methyl	86-50-0	Fishes	Black bullhead	Ictalurus melas	1.7 g	S	93	96 hr	LC50	3500	PPB	2920-4950
Azinphos-methyl	86-50-0	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	93	96 hr	LC50	3290	PPB	2490-4340
Azinphos-methyl	86-50-0	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	93	96 hr	LC50	52	PPB	28-94
Azinphos-methyl	86-50-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	93	96 hr	LC50	4.1	PPB	3.7-4.5
Azinphos-methyl	86-50-0	Fishes	Bluegill sunfish	Lepomis macrochirus	2.2 g	F	93	96 hr	LC50	22	PPB	20-25
Azinphos-methyl	86-50-0	Fishes	Largemouth bass	Micropterus salmoides	0.9 g	S	93	96 hr	LC50	4.8	PPB	3.1-7.4
Azinphos-methyl	86-50-0	Fishes	Black crappie	Pomoxis nigromaculatus	1.0 g	S	93	96 hr	LC50	3	PPB	2.3-3.8
Azinphos-methyl	86-50-0	Fishes	Yellow perch	Perca flavescens	0.9 g	S	93	96 hr	LC50	15	PPB	11-19
Azinphos-methyl	86-50-0	Fishes	Northern pike	Esox lucius	yr	S	93	96 hr	LC50	0.36	PPB	0.27-0.48
Azinphos-methyl	86-50-0	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	96	48 hr	LC50	2.4	PPB	N.R.
Azinphos-methyl	86-50-0	Crustacea	Blue crab	Callinectes sapidus	Juv	F	96	48 hr	LC50	320	PPB	N.R.
Azinphos-methyl	86-50-0	Fishes	Spot	Leiostomus xanthurus	Juv	F	96	48 hr	LC50	28	PPB	N.R.
Azinphos-methyl	86-50-0	Fishes	Striped mullet	Mugil cephalus	Juv	F	96	48 hr	LC50	3.2	PPB	N.R.
Azinphos-methyl	86-50-0	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	96 hr	LC50	0.15	PPB	0.11-0.20
Azinphos-methyl	86-50-0	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	0.38	PPB	0.24-.59
Azoxystrobin	131860-33-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.2	96 hr	LC50	56	PPB	35-110
Azoxystrobin	131860-33-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.93 g	F	96.2	96 hr	LC50	671	PPB	560-800
Azoxystrobin	131860-33-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.82 g	F	96.2	96 hr	LC50	1100	PPB	900-1700
Azoxystrobin	131860-33-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.48 g	F	96.2	96 hr	LC50	470	PPB	400-580
Azoxystrobin	131860-33-8	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	96.2	48 hr	EC50	1300	PPB	1100-1400
Azoxystrobin	131860-33-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	259	PPB	126-644
Barium metaborate	13701-59-2	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	20.3	PPM	11.4-22.4
Barium metaborate	13701-59-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.88 g	S	90	96 hr	LC50	151	PPM	112-299

Barium metaborate	13701-59-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.22 g	S	90	96 hr	LC50	62	PPM	47.0-84.5
BCDM Hydantoin	16079-88-2	Crustacea	Water flea	Daphnia magna	Juv	F	96	96 hr	EC50	0.1	PPM	N.R.
BCDM Hydantoin (Halobrom MUP)	16079-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	0.75	PPM	0.56-1.0
BCDM Hydantoin (Halobrom MUP)	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	96	96 hr	LC50	0.4	PPM	0.32-0.56
BCDM Hydantoin, (Halobrom MUP)	16079-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.24 g	S	96	96 hr	LC50	0.46	PPM	0.37-0.59
BCDM Hydantoin, 1-bromo-3-chloro-5,5-dimethyl	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.32 g	S	96	96 hr	LC50	0.14	PPM	0.13-0.2
BCDM Hydantoin, 1-bromo-3-chloro-5,5-dimethyl	16079-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	2.25	PPM	1.8-3.2
BCDM Hydantoin, 1-bromo-3-chloro-5,5-dimethyl	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99	96 hr	LC50	0.75	PPM	N.R.
BCDM Hydantoin, 1-bromo-3-chloro-5,5-dimethyl	16079-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.31 g	S	99	96 hr	LC50	0.36	PPM	0.18-0.56
BCDMH (Dantobrom GSD 550 formulation)	16079-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	90	48 hr	EC50	0.87	PPM	0.81-0.93
BCDMH (Dantobrom GSD 550 formulation)	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	0.67	PPM	0.57-0.77
BCDMH (Dantobrom GSD 550 formulation)	16079-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90	96 hr	LC50	1.17	PPM	1.05-1.30
BCDMH (Dantobrom GSD 560 Formulation)	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	0.5	PPM	0.3-0.9
BCDMH (Halobrom,N,N Bromochlorodimethyl hydantoin)	16079-88-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90	96 hr	EC50	1.08	PPM	1.01-1.15
BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	6051	PPM	5354-6765
BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	97	96 hr	LC50	1255	PPM	1077-1445
BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.2 g	S	97	96 hr	LC50	12700	PPM	11300-14200
BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	97	96 hr	LC50	14100	PPM	13386-14990

BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	45 D	S	97	96 hr	LC50	8100	PPM	6500-10000
BCDMH 5,5-dimethylhydantoin degradate	16079-88-2	Mollusca	Eastern oyster	Crassostrea virginica	Adult	S	97	96 hr	LC50	12800	PPM	11173-14300
Bendiocarb	22781-23-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.52 g	S	76	96 hr	LC50	1.45	PPM	1.07-1.96
Bendiocarb	22781-23-3	Crustacea	Water flea	Daphnia magna	1st-I	S	96	48 hr	EC50	29.2	PPB	23.5-35.7
Bendiocarb	22781-23-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	96	96 hr	LC50	1.65	PPM	1.47-1.85
Bendiocarb	22781-23-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	96	96 hr	LC50	1.55	PPM	1.31-1.83
Bendiocarb	22781-23-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.65 g	S	97.4	96 hr	LC50	1.2	PPM	0.96-1.5
Bendiocarb	22781-23-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.97g	S	97.4	96 hr	LC50	1.39	PPM	1.09-1.76
Bendiocarb	22781-23-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.62g	S	97.4	96 hr	LC50	0.47	PPM	0.398-0.56
Bendiocarb	22781-23-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.38 g	S	97.4	96 hr	LC50	0.781	PPM	0.616-0.989
Bendiocarb	22781-23-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	6.7	PPB	3.14-11.26
Bendiocarb	22781-23-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.9 g	F	98	96 hr	EC50	0.86	PPM	0.72-1.02
Bendiocarb	22781-23-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.3	96 hr	EC50	0.67	PPM	0.44-1.0
Bendiocarb	22781-23-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.24g	F	80WP	96 hr	LC50	0.87	PPM	0.7-1.07
Benfluralin	1861-40-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	SR	95.88	96 hr	LC50	600	PPB	N.R.
Benfluralin	1861-40-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	96.4	96 hr	LC50	65	PPB	N.R.
Benfluralin	1861-40-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.6	96 hr	LC50	43	PPB	35-52
Benfluralin	1861-40-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.6	96 hr	EC50	103	PPB	27-400
Benfluralin	1861-40-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.52 g	SR	97.3	96 hr	LC50	81	PPB	70-94
Benfluralin	1861-40-1	Crustacea	Scud	Gammarus fasciatus	Juv	S	100	48 hr	EC50	4000	PPB	2720-5820
Benfluralin	1861-40-1	Fishes	Goldfish	Carassius auratus	1.0 g	S	100	96 hr	LC50	810	PPB	650-1020
Benomyl	17804-35-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95	96 hr	LC50	175	PPB	151-200
Benomyl	17804-35-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.14 g	S	95	96 hr	LC50	3792	PPB	3000-5900
Benomyl	17804-35-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	1376	PPB	1200-1480
Benomyl	17804-	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	285	PPB	N.R.

	35-2											
Benomyl	17804-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.56 g	S	98	96 hr	LC50	920	PPB	594-1425
Benomyl	17804-35-2	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	2800	PPB	2100-3700
Benomyl	17804-35-2	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	99	96 hr	LC50	750	PPB	500-1100
Benomyl	17804-35-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	99	96 hr	LC50	170	PPB	120-230
Benomyl	17804-35-2	Fishes	Channel catfish	Ictalurus punctatus	0.05 g	S	99	96 hr	LC50	13	PPB	11-15
Benomyl	17804-35-2	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	99	96 hr	LC50	29	PPB	22-37
Benomyl	17804-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	99	96 hr	LC50	560	PPB	410-750
Benomyl	17804-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	99	96 hr	LC50	850	PPB	550-1300
Benomyl	17804-35-2	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	99	96 hr	LC50	2200	PPB	1590-3040
Benomyl	17804-35-2	Fishes	Channel catfish	Ictalurus punctatus	7D-Fry	S	99	96 hr	LC50	12	PPB	8.2-17
Benomyl	17804-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	99	96 hr	LC50	750	PPB	560-1010
Benomyl (Carbendazim MBC CAS 10605-21-7)	17804-35-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98	96 hr	LC50	98.3	PPB	86.2-112.4
Benomyl MBC degradate	17804-35-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Fingln	F	96.1	21 D	LC50	350	PPB	N.R.
Benomyl MBC degradate	17804-35-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.3	48 hr	EC50	390	PPB	270-750
Benomyl metabolite(Carbendazim MBC CAS 10605-21-7)	17804-35-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	>99	48 hr	EC50	350	PPB	310-380
Bensulide	741-58-2	Crustacea	Mysid	Americamysis bahia	Juv	F	92	96 hr	LC50	62.4	PPB	50.9-77
Bensulide	741-58-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	92	96 hr	LC50	0.56	PPM	0.46-0.92
Bensulide	741-58-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92	96 hr	EC50	0.25	PPM	0.213-.281
Bensulide	741-58-2	Crustacea	Water flea	Daphnia magna	1st-I	S	92.9	48 hr	EC50	0.58	PPM	0.48-0.72
Bensulide	741-58-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.37 g	S	92.9	96 hr	LC50	1.1	PPM	0.8-1.6
Bensulide	741-58-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	92.9	96 hr	LC50	1.4	PPM	1.0-2.0
Bensulide	741-58-2	Crustacea	Scud	Gammarus fasciatus	Mat	S	95	96 hr	EC50	1.4	PPM	0.39-5.1
Bensulide	741-58-2	Fishes	Spot	Leiostomus xanthurus	Adult	F	95	48 hr	LC50	0.32	PPM	N.R.
Bensulide	741-58-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	S	95	96 hr	LC50	0.72	PPM	N.R.

Bensulide	741-58-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	95	96 hr	LC50	0.81	PPM	N.R.
Bensulide	741-58-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	0.45	PPM	N.R.
Bentazon	25057-89-0	Mollusca	Quahog clam	Mercenaria mercenaria	EmbLrv	S	94	48 hr	LC50	20	PPM	8.1-32.0
Bentazon sodium salt	50723-80-3	Crustacea	Water flea	Daphnia magna	<24 Hr	S	94	48 hr	EC50	125	PPM	N.R.
Bentazon sodium salt	50723-80-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	Tech	96 hr	LC50	610	PPM	N.R.
Bentazon sodium salt	50723-80-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	Tech	96 hr	LC50	190	PPM	N.R.
Benzyl benzoate	120-51-4	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	4.8	PPM	N.R.
Benzyl benzoate	120-51-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8 g	F	99.8	96 hr	LC50	1.4	PPM	0.95-1.98
Benzyl bromoacetate	5437-45-6	Crustacea	Water flea	Daphnia magna	<24hr	S	90	48 hr	EC50	0.23	PPM	0.20-0.25
Benzyl bromoacetate Merbac 35 formulation	5437-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.62 g	S	90	24 hr	LC50	0.25 est	PPM	0.21-0.28
Benzyl bromoacetate Merbac 35	5437-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	NR	S	90	96 hr	LC50	0.113	PPM	0.098-0.131
Benzyl bromoacetate Merbac 35	5437-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.22 g	S	90	96 hr	LC50	0.126	PPM	0.113-0.140
beta Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.92 g	F	97.6	96 hr	LC50	0.209	PPB	0.180-0.246
beta Cyfluthrin	68359-37-5	Fishes	Bluegill Sunfish	Lepomis macrochirus	0.82 g	F	97.6	96 hr	LC50	0.998	PPB	0.845-1.567
beta Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.40 g	F	97.6	96 hr	LC50	0.302	PPB	0.240-0.432
beta Cyfluthrin	68359-37-5	Fishes	Bluegill Sunfish	Lepomis macrochirus	0.15 g	F	98	96 hr	LC50	0.566	PPB	0.422-0.646
beta Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	F	98	96 hr	LC50	0.111	PPB	0.098-0.124
beta Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	2.26 g	F	98.1	96 hr	LC50	0.085	PPB	0.072-0.10
beta Cyfluthrin	68359-37-5	Fishes	Bluegill Sunfish	Lepomis macrochirus	0.46 g	F	99.4	96 hr	LC50	0.28	PPB	0.24-0.32
beta Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.96	F	99.4	96 hr	LC50	0.068	PPB	0.060-0.078
beta Cyfluthrin	68359-37-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	>98	96 hr	LC50	0.0022	PPB	0.0019-0.003
beta Cyfluthrin	68359-37-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	>98	96 hr	LC50	0.0023	PPB	0.002-0.028
beta Cyfluthrin	68359-37-5	Crustacea	Water flea	Daphnia magna	1st in	F	Tech	48 hr	EC50	0.29	PPB	0.25-0.33
beta Cyfluthrin FPB acid metabolite	68359-37-5	Crustacea	Water flea	Daphnia magna	1st in	S	99.2	48 hr	EC50	46600	PPB	40500-53800
Bethoxazin BTCN metabolite (Canceled in U.S.)	163269-30-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.1	48 hr	EC50	1.6	PPM	0.941-3.84

Bethoxazin BTCN metabolite (Canceled in U.S.)	163269-30-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.21 g	SR	99.1	96 hr	LC50	1.57	PPM	1.22-2.46
Bethoxazin BTCN metabolite (Canceled in U.S.)	163269-30-5	Crustacea	Marine amphipod-sediment	Grandidierella japonica	Adult	S	99.3	10 D	EC50	3.22	MGK	2.81-3.69
Bethoxazin BTCN metabolite (Canceled in U.S.)	163269-30-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.13 g	SR	99.3	96 hr	LC50	1.75	PPM	1.41-2.20
Bethoxazin, Technical (Canceled in U.S.)	163269-30-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.17	48 hr	EC50	422	PPB	188-720
Bethoxazin, R102622 (Canceled in U.S.)	163269-30-5	Crustacea	Amphipod (sediment tox)	Grandidierella japonica	Adult	S	96.6	10 D	LC50	2.77	MGK	2.1-3.5
Bethoxazin, Technical (Canceled in U.S.)	163269-30-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.18 g	F	98.17	96 hr	LC50	44	PPB	37-72
Bethoxazin, Technical (Canceled in U.S.)	163269-30-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	F	98.17	96 hr	LC50	13	PPB	6.8-26
Bifenazate	149877-41-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92.2	96 hr	LC50	58	PPB	50-70
Bifenazate	149877-41-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	F	92.2	96 hr	LC50	416	PPB	320-730
Bifenazate	149877-41-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92.2	96 hr	EC50	280	PPB	240-340
Bifenazate	149877-41-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.4	48 hr	EC50	500	PPB	430-570
Bifenazate	149877-41-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.92 g	F	92.4	96 hr	LC50	580	PPB	510-660
Bifenazate	149877-41-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	F	92.4	96 hr	LC50	760	PPB	490-1300
Bifenox	42576-02-3	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98.3	48 hr	EC50	0.19	PPM	0.18-0.22
Bifenthrin	82657-04-3	Crustacea	Water flea	Daphnia magna	1st-I	S	88.3	48 hr	EC50	1.6	PPB	1.32-1.96
Bifenthrin	82657-04-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	88.3	96 hr	LC50	0.00397	PPB	0.0031-.005
Bifenthrin	82657-04-3	Fishes	Bluegill sunfish	Lepomis macrochirus	2.5 g	F	88.3	96 hr	LC50	0.344	PPB	0.306-0.387
Bifenthrin	82657-04-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1 g	F	88.3	96 hr	LC50	0.15	PPB	0.1-0.19
Bifenthrin	82657-04-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.28 g	F	88.3	96 hr	LC50	17.5	PPB	14.6-21.1
Bifenthrin	82657-04-3	Fishes	Bluegill sunfish	Lepomis macrochirus	2.5 g	F	88.3	144 h	LC50	0.29	PPB	0.26-0.33
Bifenthrin	82657-04-3	Mollusca	Eastern oyster	Crassostrea virginica	Embryo	S	88.3	48 hr	EC50	295	PPB	1.35-3.18
Bifenthrin	82657-04-3	Crustacea	Marine amphipod	Leptocheirus plumulosus	Neonat	SR	96.4	28 D	LC50	0.168 (sedmnt)	MGK	0.146-0.195

Biobor JF (7.2% as boron)	2665-13-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.5	48 hr	EC50	730	PPM	620-1000
Biobor JF (7.2% as boron)	2665-13-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.53 g	F	99.5	96 hr	LC50	71	PPM	59-83
Bioresmethrin	28434-01-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	0.8	PPB	0.74-0.88
Bioresmethrin	28434-01-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.69 g	S	93	96 hr	LC50	0.62	PPB	0.52-1.33
Bioresmethrin	28434-01-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.52 g	S	93	96 hr	LC50	0.8	PPB	0.75-0.86
Biphenyl formulation	92-52-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4205	S	100	96 Hr	LC50	14.7	PPM	12.9-16.75
Biphenyl formulation	92-52-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.413	S	100	96 Hr	LC50	1.85	PPM	1.64-2.09
Bis (trichloromethyl) sulfone	3064-70-8	Fishes	Sheephead minnow	Cyprinodon variegatus	0.22 g	S	99	96 hr	LC50	0.4	PPM	0.32-0.56
Bis (trichloromethyl) sulfone	3064-70-8	Mollusca	Quahog clam	Mercenaria mercenaria	EmbLrv	S	99.9	48 hr	EC50	9.2	PPB	6.6-13
Bis (trichloromethyl) sulfone	3064-70-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	173	PPB	100-320
Bis (trichloromethyl) sulfone	3064-70-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	Tech	96 hr	LC50	29	PPB	20-41
Bis (trichloromethyl) sulfone	3064-70-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	S	Tech	96 hr	LC50	58	PPB	40-81
Bis (trichloromethyl) sulfone (N1386 formula)	3064-70-8	Crustacea	Water flea	Daphnia magna	< 24hr	S	99.5	24 hr	EC50	363.7	PPB	313.2-427.8
Bis (trichloromethyl) sulfone (N1386 formula)	3064-70-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.47 g	S	99.5	96 hr	LC50	86	PPM	78.04-94.77
Bis-(N-cyclohexyldiazeniumdioxy) - Copper	312600-89-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	1100	PPB	N.R.
Bis-(N-cyclohexyldiazeniumdioxy) - Copper	312600-89-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	99	96 hr	LC50	170	PPB	140-240
Bitertanol	55179-31-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.9	48 hr	EC50	4.7	PPM	3.64-6.15
Bitertanol	55179-31-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	94.9	96 hr	LC50	2.2	PPM	1.8-2.4
Bitertanol	55179-31-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	94.9	96 hr	LC50	2.1	PPM	1.8-2.4
Bitertanol	55179-31-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.1	48 hr	EC50	7	PPM	5.6-10
Boric acid	10043-35-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.9	48 hr	EC50	777	PPM	648-932
Boric acid	10043-35-3	Crustacea	Water flea	Daphnia magna	<24 hr	SR	Tech	48 hr	EC50	133	PPM	115-153
Boric acid	10043-35-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	226	PPM	200-246

Boscalid	188425-85-6	Crustacea	Water flea	Daphnia magna	< 24 h	S	94.4	48 hr	EC50	5.33	PPM	4.0-7.1
Boscalid	188425-85-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	S	95.3	96 hr	LC50	2.7	PPM	NR
Boscalid	188425-85-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	96.9	96 hr	EC50	1.02	PPM	NR
Brodifacoum	56073-10-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	SR	92.5	96 hr	LC50	0.025	PPM	0.012-0.033
Brodifacoum	56073-10-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.3	48 hr	EC50	0.98	PPM	0.9-1.8
Brodifacoum	56073-10-0	Fishes	Bluegill sunfish	Lepomis macrochirus	3.9 g	F	Tech	96 hr	LC50	0.12	PPM	0.10-0.15
Bromacil	314-40-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	95	48 hr	LC50	1	PPM	N.R.
Bromacil	314-40-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	S	95	96 hr	LC50	127	PPM	95-169
Bromacil	314-40-9	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.1	96 hr	LC50	112.9	PPM	67-148
Bromacil	314-40-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	17 D	S	95.1	96 hr	LC50	162.8	PPM	145.8-272.0
Bromacil	314-40-9	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95.1	48 hr	EC50	130	PPM	N.R.
Bromacil	314-40-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.6	48 hr	EC50	121	PPM	111-148
Bromacil	314-40-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	S	96.6	96 hr	LC50	36	PPM	30-40
Bromadiolone	28772-56-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.75	48 hr	EC50	2	PPM	1.8-2.6
Bromethalin	63333-35-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.3	48 hr	EC50	1.98	PPB	1.77-2.23
Bromethalin	63333-35-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	5.1	PPB	4.56-7.13
Bromethalin	63333-35-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	561	PPB	356-1808
Bromine chloride	13863-41-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	24 hr	EC50	1.07	PPM	N.R.
Bromine chloride	13863-41-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	0.71	PPM	N.R.
Bromine chloride	13863-41-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.28 g	S	100	24 hr	LC50	0.52	PPM	0.38-0.83
Bromine chloride	13863-41-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.59 g	S	100	24 hr	LC50	0.31	PPM	0.28-0.35
Bromine chloride	13863-41-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	100	96 hr	LC50	0.52	PPM	0.38-0.83
Bromine chloride	13863-41-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	100	96 hr	LC50	0.31	PPM	0.28-0.35
Bromine chloride	13863-41-7	Crustacea	Blue crab	Callinectes sapidus	Juv	S	Tech	96 hr	LC50	0.8	PPM	0.58-1.16
Bromonitrostyrene	7166-19-0	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.1	48 hr	EC50	24	PPB	14-Inf.
Bromonitrostyrene	7166-19-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.1	96 hr	LC50	51	PPB	32-72

Bromonitrostyrene	7166-19-0	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	99.1	96 Hr	LC50	120	PPB	96 - 140
Bromonitrostyrene	7166-19-0	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	99.1	96 hr	LC50	27	PPB	24-32
Bromonitrostyrene	7166-19-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99.1	96 hr	LC50	57	PPB	39-77
Bromonitrostyrene	7166-19-0	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	99.1	96 hr	LC50	17	PPB	10-36
Bromonitrostyrene	7166-19-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.15 g	F	99.1	96 Hr	LC50	146	PPB	130-200
Bromoxynil	1689-84-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	19.22	PPM	13-36
Bromoxynil	1689-84-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.69 g	S	95	96 hr	LC50	4	PPM	3.1-5.2
Bromoxynil	1689-84-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56g	S	95	96 hr	LC50	2.09	PPM	1.67-2.68
Bromoxynil butyrate	3861-41-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	0.2	PPM	0.16-0.25
Bromoxynil butyrate	3861-41-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	93	96 hr	LC50	45	PPB	40-50
Bromoxynil butyrate	3861-41-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	S	93	96 hr	LC50	29	PPB	24-34
Bromoxynil heptanoate	56634-95-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.8	48 hr	EC50	31	PPB	24-40
Bromoxynil heptanoate	56634-95-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	F	94.8	96 hr	LC50	29	PPB	25-32
Bromoxynil octanoate	1689-99-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	87.3	48 hr	EC50	110	PPB	84-160
Bromoxynil octanoate	1689-99-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	87.3	96 hr	LC50	61	PPB	48-79
Bromoxynil octanoate	1689-99-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.14 g	S	87.3	96 hr	LC50	100	PPB	80-126
Bromoxynil octanoate	1689-99-2	Crustacea	Mysid	Americamysis bahia	N.R.	F	94.9	96 hr	LC50	65	PPB	N.R.
Bromoxynil octanoate	1689-99-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.4 g	F	98	96 hr	LC50	170	PPB	160-200
Bromoxynil octanoate	1689-99-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	155	PPB	116-249
Bromuconazole	116255-48-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.61 g	F	95.4	96 hr	LC50	4.2	PPM	3.6-5.6
Bromuconazole	116255-48-2	Fishes	Rainbow trout	Oncorhynchus mykiss	38 mm	F	95.4	96 hr	LC50	1.7	PPM	1.5-1.9
Bromuconazole	116255-48-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.8	96 hr	LC50	2	PPM	1.9-2.5
Bromuconazole	116255-48-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.2 g	F	98.8	96 hr	LC50	5.5	PPM	4.4-7.3
Bromuconazole	116255-48-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.8	96 hr	EC50	1.49	PPM	1.35-1.69
Bronopol	52-51-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	1.6	PPM	1.0-3.2
Bronopol	52-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	3.3 g	S	99.4	96 hr	LC50	20	PPM	18-24

Bronopol	52-51-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.7	96 hr	LC50	5.9	PPM	5.1-7.3
Bronopol	52-51-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.7	96 hr	LC50	4.3	PPM	1.4-9.7
Bronopol	52-51-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	99.7	96 hr	LC50	36	PPM	20-51
Bronopol	52-51-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.7 g	F	99.7	96 hr	LC50	59	PPM	51-70
Bronopol	52-51-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.34 g	F	99.7	96 hr	LC50	11.17	PPM	9.34-13.14
Bronopol	52-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	F	99.7	96 hr	LC50	26.4	PPM	21.9-31.8
Bronopol	52-51-7	Fishes	Coho salmon	Oncorhynchus kisutch	3.5 g	F	99.7	96 hr	LC50	50	PPM	26-N.D.
Bronopol	52-51-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.7	96 hr	EC50	0.42	PPM	0.34-0.53
Bronopol	52-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	100	96 hr	LC50	41.5	PPM	36-45
Bronopol	52-51-7	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	Tech	48 hr	EC50	0.78	PPM	0.52-0.95
Butafenacil	134605-64-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	91.5	96 hr	LC50	0.14	PPM	0.12-0.16
Butafenacil	134605-64-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	91.5	96 hr	LC50	3.9	PPM	3.5-4.4
Butafenacil	134605-64-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.61 g	F	91.5	96 hr	LC50	4.6	PPM	4.4-5.1
Butafenacil	134605-64-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	91.5	96 hr	EC50	2.7	PPM	2.5-2.9
Butoxypolypropylene glycol	9003-13-8	Crustacea	Scud	Gammarus fasciatus	Adult	S	100	96 hr	LC50	17	PPM	7-40.9
Butoxypolypropylene glycol (Stabilene repellent)	9003-13-8	Crustacea	Water flea	Daphnia magna	<24hr	S	99.9	48 hr	EC50	95	PPM	89-101
Butoxypolypropylene glycol (Stabilene repellent)	9003-13-8	Fishes	Fathead minnow	Pimephales promelas	0.3 g	S	99.9	96 hr	LC50	50	PPM	48-52
Butralin	33629-47-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	1	PPM	N.R.
Butralin	33629-47-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	S	96	96 hr	LC50	1	PPM	0.7-1.4
Butralin	33629-47-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.33 g	S	96	96 hr	LC50	0.37	PPM	0.2-0.8
Butralin	33629-47-9	Crustacea	Water flea	Daphnia magna	<24 hr	SR	98.77	48 hr	EC50	0.12	PPM	0.10-0.14
Butralin	33629-47-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.4	96 hr	LC50	0.07	PPM	0.061-0.079
Butralin	33629-47-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.4	96 hr	EC50	0.12	PPM	0.084-0.17
Butylate	2008-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	79.2	96 hr	LC50	7.2	PPM	6.4-8.1
Butylate	2008-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	79.2	96 hr	LC50	5.2	PPM	4.3-6.3

Butylate	2008-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	97.6	96 hr	LC50	6.9	PPM	5.6-8.3
Butylate	2008-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	97.6	96 hr	LC50	4.2	PPM	3.6-4.9
Butylate	2008-41-5	Crustacea	Water flea	Daphnia magna	1st-I	S	98	48 hr	EC50	11.9	PPM	9.9-14.1
Butylate	2008-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.10g	S	98	96 hr	LC50	2.1	PPM	1.18-3.74
Butylate	2008-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98	96 hr	LC50	0.21	PPM	0.088-0.50
Butylate	2008-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.1	96 hr	LC50	23	PPM	18-32
Butylate	2008-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98.1	96 hr	LC50	7.5	PPM	5.6-10.0
Butylate	2008-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.89 g	S	98.2	96 hr	LC50	7	PPM	5.6-10
Butylate	2008-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	S	98.2	96 hr	LC50	6.4	PPM	5.6-10
Butylate	2008-41-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	98.4	96 hr	LC50	2.7	PPM	1.8-3.3
Butylate	2008-41-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	98.7	96 hr	LC50	11	PPM	7.6-16.0
Butylate (Sultan)	2008-41-5	Crustacea	Scud	Gammarus fasciatus	Juv	S	Tech	48 hr	LC50	10	PPM	6.9-14
Butylate Sultan 6E formulation	2008-41-5	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	78.2	96 hr	LC50	8.5	PPM	N.R.
Cacodylic acid	75-60-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	100	96 hr	LC50	135	PPM	80-227
Cacodylic acid	75-60-5	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	100	96 hr	LC50	28	PPM	14-58
Cacodylic acid	75-60-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	100	96 hr	LC50	17	PPM	15-19
Cadusafos	95465-99-9	Crustacea	Water flea	Daphnia magna	24 hr	F	100	48 hr	EC50	1.82	PPB	1.6-2.0
Cadusafos FMC 67825	95465-99-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.01 g	F	100	96 hr	LC50	171	PPB	140-210
Cadusafos FMC 67825	95465-99-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	100	96 hr	LC50	132	PPB	113-151
Calcium hypochlorite	7778-54-3	Fishes	Bluegill sunfish	Lepomis macrochirus	3.9 g	F	Tech	96 hr	LC50	0.4	PPM	N.R.
Calcium hypochlorite (Granular Dry Chlorine)	7778-54-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.62 g	S	72.5	96 hr	LC50	0.272	PPM	N.R.
Calcium hypochlorite (Sol Vet 425)	7778-54-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.01 g	S	70	96 hr	LC50	0.47	PPM	0.39-0.57
Calcium hypochlorite (Sol Vet 425)	7778-54-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.81 g	S	70	96 hr	LC50	0.7	PPM	0.46-1.05
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Longnose killifish	Fundulus similis	Juv	F	96	48 hr	LC50	32	PPB	N.R.
Captafol (Cancelled in U.S.)	2939-80-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	34	PPB	N.R.

Captafol (Cancelled in U.S.)	2939-80-2	Crustacea	Mysid	Americamysis bahia	Juv	S	97	96 hr	LC50	212	PPB	109-809
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.53 g	S	97	96 hr	LC50	45	PPB	35.78-56.60
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	97	96 hr	LC50	27	PPB	23.91-30.48
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98	96 hr	LC50	2800	PPB	2400-3300
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	500	PPB	400-620
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.9	96 hr	LC50	34	PPB	19-61
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98.9	96 hr	LC50	130	PPB	100-200
Captafol (Cancelled in U.S.)	2939-80-2	Crustacea	Scud	Gammarus lacustris	Mat	S	80WP	96 hr	LC50	800	PPB	500-1300
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	80WP	96 hr	LC50	20.6	PPB	13.3-31.7
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Goldfish	Carassius auratus	0.9 g	S	80WP	96 hr	LC50	178	PPB	146-217
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Channel catfish	Ictalurus punctatus	1.0 g	S	80WP	96 hr	LC50	28	PPB	N.R.
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	80WP	96 hr	LC50	34	PPB	21-54
Captafol (Cancelled in U.S.)	2939-80-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	3440	PPB	3260-3620
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	Tech	96 hr	LC50	157.8	PPB	137.6-180.1
Captafol (Cancelled in U.S.)	2939-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.45 g	S	Tech	96 hr	LC50	190	PPB	161-224
Captan	133-06-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	88.4	96 hr	LC50	0.072	PPM	0.047-0.111
Captan	133-06-2	Fishes	Brook trout	Salvelinus fontinalis	Juv	F	88.4	96 hr	LC50	0.034	PPM	0.022-0.052
Captan	133-06-2	Fishes	Fathead minnow	Pimephales promelas	Juv	F	88.4	96 hr	LC50	0.065	PPM	0.059-0.07
Captan	133-06-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	90	48 hr	EC50	8.4	PPM	7.0-9.9
Captan	133-06-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.28 g	S	90	96 hr	LC50	0.31	PPM	0.28-0.34
Captan	133-06-2	Fishes	Coho salmon	Oncorhynchus kisutch	0.8 g	F	90	96 hr	LC50	0.056	PPM	0.052-0.061
Captan	133-06-2	Fishes	Chinook salmon	Oncorhynchus tshawytscha	Finglg	S	90	96 hr	LC50	0.056	PPM	0.052-0.061
Captan	133-06-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.4 g	S	90	96 hr	LC50	0.056	PPM	0.042-0.075
Captan	133-06-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	90	96 hr	LC50	0.073	PPM	0.066-0.08
Captan	133-06-2	Fishes	Brown trout	Salmo trutta	0.6 g	F	90	96 hr	LC50	0.0262	PPM	0.0218-0.031
Captan	133-06-2	Fishes	Lake trout	Salvelinus namaycush	0.4 g	S	90	96 hr	LC50	0.049	PPM	0.04-0.059

Captan	133-06-2	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	90	96 hr	LC50	0.0775	PPM	0.07-0.085
Captan	133-06-2	Fishes	Yellow perch	Perca flavescens	1.0 g	F	90	96 hr	LC50	0.12	PPM	0.097-0.147
Captan	133-06-2	Fishes	Fathead minnow	Pimephales promelas	0.4 g	F	90	96 hr	LC50	0.134	PPM	0.1-0.178
Captan	133-06-2	Mollusk	Eastern oyster	Crassostrea virginica	Spat	F	91.3	96 hr	EC50	3.3	PPB	2.2-4.9
Captan	133-06-2	Crustacea	Water flea	Daphnia magna	<25 hr	S	92.7	24 hr	EC50	0.5	PPM	0.43-0.58
Captan	133-06-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.7	24 hr	EC50	0.5	PPM	0.43-0.58
Captan	133-06-2	Crustacea	Dungeness crab	Cancer magister	N.R.	S	92.8	9 D	LC50	0.45	PPM	N.R.
Captan	133-06-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99.8	96 hr	LC50	8.4	PPM	7.2-10
Captan	133-06-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.16 g	S	99.8	96 hr	LC50	1.9	PPM	1.7-2.2
Captan	133-06-2	Crustacea	Dungeness crab	Cancer magister	Larvae	S	100	96 hr	LC50	8	PPM	N.R.
Captan	133-06-2	Crustacea	Water flea	Daphnia pulex	N.R.	S	Tech	3 hr	EC50	1.5	PPM	N.R.
Captan	133-06-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.141	PPM	0.119-0.167
Captan (THPAM metabolite)	133-06-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.15g	S	99.8	96 hr	LC50	1.9	PPM	1.8-2.0
Carbaryl	63-25-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	N.R.	81.5	96 hr	LC50	3.3	PPM	2.7-4.0
Carbaryl	63-25-2	Crustacea	Mysid	Americamysis bahia	1-5 D	S	99	96 hr	LC50	6.7	PPB	5.1-8.7
Carbaryl	63-25-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.27 g	S	99	96 hr	LC50	2.2	PPM	1.3-3.6
Carbaryl	63-25-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99	48 hr	EC50	2.7	PPM	2.5-2.8
Carbaryl	63-25-2	Crustacea	Amphipod	Gammarus fossarum	<1 yr	S	99.1	96 hr	LC50	17.5	PPB	15.7-19.9
Carbaryl	63-25-2	Crustacea	Water flea	Daphnia magna	1st-I	S	99.5	48 hr	EC50	5.6	PPB	2.7-12
Carbaryl	63-25-2	Crustacea	Water flea	Daphnia pulex	1st-I	S	99.5	48 hr	EC50	6.4	PPB	N.R.
Carbaryl	63-25-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99.5	48 hr	LC50	7.6	PPB	6.2-9.3
Carbaryl	63-25-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	99.5	96 hr	LC50	26	PPB	16-39
Carbaryl	63-25-2	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	99.5	48 hr	LC50	0.114	PPM	0.074-0.179
Carbaryl	63-25-2	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	99.5	48 hr	LC50	8	PPB	4.9-13
Carbaryl	63-25-2	Crustacea	Crayfish	Procambarus sp.	Juv	S	99.5	96 hr	LC50	1.9	PPB	1.1-3.1
Carbaryl	63-25-2	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	99.5	96 hr	LC50	5.6	PPB	3.6-8.3
Carbaryl	63-25-2	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	99.5	96 hr	LC50	0.28	PPM	0.214-0.367
Carbaryl	63-25-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	99.5	96 hr	LC50	1.2	PPM	0.8-1.8
Carbaryl	63-25-2	Fishes	Bluegill sunfish	Lepomis	0.6 g	F	99.5	96 hr	LC50	5.047	PPM	4.4-5.8

				macrochirus								
Carbaryl	63-25-2	Fishes	Yellow perch	Perca flavescens	0.9 g	S	99.5	96 hr	LC50	0.35	PPM	0.28-0.43
Carbaryl	63-25-2	Fishes	Black crappie	Pomoxis nigromaculatus	1.0 g	S	99.5	96 hr	LC50	2.6	PPM	1.2-5.7
Carbaryl	63-25-2	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	99.5	96 hr	LC50	7.79	PPM	4.7-12.8
Carbaryl	63-25-2	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	99.5	96 hr	LC50	9.46	PPM	7.0-12.8
Carbaryl	63-25-2	Fishes	Largemouth bass	Micropterus salmoides	0.9 g	S	99.5	96 hr	LC50	6.4	PPM	4.4-9.2
Carbaryl	63-25-2	Fishes	Coho salmon	Oncorhynchus kisutch	5.1 g	S	99.5	96 hr	LC50	2.4	PPM	1.86-3.0
Carbaryl	63-25-2	Fishes	Chinook salmon	Oncorhynchus tshawytscha	Fnglng	F	99.5	96 hr	LC50	2.4	PPM	1.6-3.5
Carbaryl	63-25-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.6 g	S	99.5	96 hr	LC50	0.97	PPM	0.77-1.2
Carbaryl	63-25-2	Fishes	Atlantic salmon	Salmo salar	0.2 g	S	99.5	96 hr	LC50	0.25	PPM	0.12-0.79
Carbaryl	63-25-2	Fishes	Brown trout	Salmo trutta	0.6 g	S	99.5	96 hr	LC50	6.3	PPM	5.5-7.2
Carbaryl	63-25-2	Fishes	Brook trout	Salvelinus fontinalis	0.8 g	S	99.5	96 hr	LC50	3	PPM	2.0-4.5
Carbaryl	63-25-2	Fishes	Lake trout	Salvelinus namaycush	1.7 g	S	99.5	96 hr	LC50	0.69	PPM	0.5-0.9
Carbaryl	63-25-2	Fishes	Common carp	Cyprinus carpio	0.6 g	S	99.5	96 hr	LC50	5.28	PPM	4.6-6.0
Carbaryl	63-25-2	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	99.5	96 hr	LC50	7.7	PPM	4.8-12
Carbaryl	63-25-2	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	99.5	96 hr	LC50	20	PPM	18-24
Carbaryl	63-25-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.3 g	S	99.6	48 hr	LC50	14	PPM	5.9-33
Carbaryl	63-25-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	99.7	48 hr	LC50	1.5	PPB	N.R.
Carbaryl	63-25-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	99.7	48 hr	LC50	32	PPB	N.R.
Carbaryl	63-25-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	99.7	48 hr	LC50	28	PPB	N.R.
Carbaryl	63-25-2	Crustacea	Blue crab	Callinectes sapidus	Juv	F	99.7	48 hr	LC50	0.32	PPM	N.R.
Carbaryl	63-25-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.7	96 hr	LC50	5.66	PPB	4.9-6.6
Carbaryl	63-25-2	Fishes	Longnose Killifish	Fundulus similis	Juv	S	99.7	48 hr	LC50	1.6	PPM	N.R.
Carbaryl	63-25-2	Fishes	Striped mullet	Mugil cephalus	Juv	S	99.7	48 hr	LC50	2.4	PPM	N.R.
Carbaryl	63-25-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	99.7	96 hr	LC50	2.6	PPM	2.3-2.8
Carbaryl	63-25-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	99.9	96 hr	LC50	14	PPM	7.7-25.2
Carbaryl	63-25-2	Crustacea	Scud	Gammarus lacustris	Adult	S	Tech	96 hr	LC50	16	PPB	12-19
Carbaryl a-Naphthol degradate	63-25-2	Crustacea	Water flea	Daphnia magna	< 24hr	S	100	48 hr	EC50	730	PPB	600-870
Carbaryl a-Naphthol degradate	63-25-2	Crustacea	Mysid	Americamysis bahia	<96 hr	S	100	96 hr	LC50	210	PPB	190-250
Carbaryl a-Naphthol degradate	63-25-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	SR	100	96 hr	LC50	1.4	PPM	1.0-2.0

Carbaryl a-Naphthol degradate	63-25-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.17 g	S	100	96 hr	LC50	1.2	PPM	0.81-1.7
Carbaryl Sevin 80S formulation	63-25-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	81.5	48 hr	EC50	7.2	PPB	6.33-8.37
Carbaryl Sevin 80S formulation	63-25-2	Crustacea	Mysid	Americamysis bahia	N.R.	F	81.5	96 hr	LC50	9.6	PPB	8.3-11.0
Carbaryl Sevin 80S formulation	63-25-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	81.5	96 hr	LC50	9.3	PPB	N.R.
Carbaryl with sediment	63-25-2	Crustacea	Waterflea	Chydorus sphaericus	9.7 mm	S	99.1	48 hr	EC50	7.25	PPB	6.43-7.99
Carbaryl with sediment	63-25-2	Crustacea	Waterflea	Daphnia longispina	< 1 yr	S	99.1	48 hr	EC50	4.89	PPB	4.45-5.33
Carbaryl with sediment	63-25-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.1	48 hr	EC50	17	PPB	16-18
Carbendazim	10605-21-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	350	PPB	310-380
Carbendazim	10605-21-7	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98	96 hr	LC50	98	PPB	86-112
Carbendazim	10605-21-7	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	99	96 hr	LC50	19	PPB	13.2-27.3
Carbendazim	10605-21-7	Fishes	Channel catfish	Ictalurus punctatus	1.3 g	S	99	96 hr	LC50	10	PPB	7.7-12.9
Carbendazim	10605-21-7	Fishes	Channel catfish	Ictalurus punctatus	Fry	S	99	96 hr	LC50	12	PPB	9.1-15.8
Carbendazim	10605-21-7	Fishes	Channel catfish	Ictalurus punctatus	SwmFry	S	99	96 hr	LC50	7.41	PPB	6.2-8.9
Carbendazim	10605-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99	96 hr	LC50	650	PPB	500-850
Carbendazim	10605-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Finglg	S	99	96 hr	LC50	370	PPB	268-510
Carbendazim	10605-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	SwmFry	S	99	96 hr	LC50	320	PPB	240-426
Carbendazim	10605-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	yr	S	99	96 hr	LC50	145	PPB	109-192
Carbendazim	10605-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	2.7 g	F	99	96 hr	LC50	1320	PPB	920-2570
Carbendazim	10605-21-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	110	PPB	80-140
Carbofuran	1563-66-2	Fishes	Atlantic silverside	Menidia menidia	0.12g	F	96.1	96 hr	LC50	33	PPB	27-41
Carbofuran	1563-66-2	Crustacea	Water flea	Daphnia magna	<24hr	S	96.5	48 hr	EC50	29	PPB	18-56
Carbofuran	1563-66-2	Crustacea	Red crayfish	Procambarus clarkii	14 g	S	98.5	24 hr	LC50	2697	PPB	2266-3260
Carbofuran	1563-66-2	Crustacea	Pink shrimp	Penaeus duorarum	<1.4 g	F	98.6	96 hr	LC50	7.23	PPB	5.87-8.65
Carbofuran	1563-66-2	Fishes	Yellow perch	Perca flavescens	0.6 g	S	99	96 hr	LC50	120	PPB	82-176
Carbofuran	1563-66-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	99	96 hr	LC50	380	PPB	272-531
Carbofuran	1563-66-2	Fishes	Coho salmon	Oncorhynchus kisutch	0.6 g	S	99	96 hr	LC50	530	PPB	432-650
Carbofuran	1563-66-2	Fishes	Brown trout	Salmo trutta	0.5 g	S	99	96 hr	LC50	560	PPB	475-660

Carbofuran	1563-66-2	Fishes	Fathead minnow	Pimephales promelas	1.3 g	S	99	96 hr	LC50	872	PPB	479-1590
Carbofuran	1563-66-2	Fishes	Channel catfish	Ictalurus punctatus	1.0 g	S	99	96 hr	LC50	248	PPB	94-649
Carbofuran	1563-66-2	Fishes	Brown trout	Salmo trutta	0.6 g	F	99	96 hr	LC50	280	PPB	204-382
Carbofuran	1563-66-2	Fishes	Lake trout	Salvelinus namaycush	0.5 g	F	99	96 hr	LC50	164	PPB	119-226
Carbofuran	1563-66-2	Fishes	Yellow perch	Perca flavescens	0.6 g	S	99	96 hr	LC50	147	PPB	115-188
Carbofuran	1563-66-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	99	96 hr	LC50	420	PPB	180-990
Carbofuran	1563-66-2	Fishes	Fathead minnow	Pimephales promelas	0.45 g	S	99	96 hr	LC50	1990	PPB	1385-2859
Carbofuran	1563-66-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	99.2	48 hr	LC50	4.6	PPB	N.R.
Carbofuran	1563-66-2	Crustacea	Water flea	Daphnia magna	<20hr	S	Tech	48 hr	EC50	38.6	PPB	33.5-44.6
Carbofuran	1563-66-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Adult	S	Tech	96 hr	LC50	125.7	PPB	99-160
Carbofuran	1563-66-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Adult	S	Tech	96 hr	LC50	362	PPB	295-445
Carboxin	5234-68-4	Fishes	Rainbow trout	Oncorhynchus mykiss	3-7.5c	S	75	96 hr	LC50	4.5	PPM	N.R.
Carboxin	5234-68-4	Fishes	Bluegill sunfish	Lepomis macrochirus	3-7.5c	S	75	96 hr	LC50	2.9	PPM	N.R.
Carboxin	5234-68-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	S	75	96 hr	LC50	4.85	PPM	4.0-6.0
Carboxin	5234-68-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	F	97.39	96 hr	LC50	3.6	PPM	2.7-4.3
Carboxin	5234-68-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	97.39	96 hr	LC50	2.3	PPM	1.5-2.4
Carboxin	5234-68-4	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	84.4	PPM	73-97.6
Carboxin	5234-68-4	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	99	96 hr	LC50	1.2	PPM	1.0-1.4
Carboxin	5234-68-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.28 g	S	99	96 hr	LC50	2	PPM	1.6-2.5
Carfentrazone-ethyl	128639-02-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	90.3	96 hr	LC50	1.16	PPM	1.01-1.34
Carfentrazone-ethyl	128639-02-1	Fishes	Tidewater silverside	Menidia peninsulae	0.23 g	F	90.3	96 hr	LC50	1.14	PPM	1.01-1.27
Carfentrazone-ethyl	128639-02-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.3	96 hr	EC50	2.05	PPM	1.67-2.79
Carfentrazone-ethyl	128639-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.43 g	F	91.7	96 hr	LC50	2	PPM	N.R.
Carfentrazone-ethyl (F8246)	128639-02-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.48 g	F	91.7	96 hr	LC50	1.6	PPM	N.R.
Cetyl pyridinium chloride	123-03-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.8	48 hr	EC50	7.36	PPB	3.2-10.0
Cetyl pyridinium chloride	123-03-5	Fishes	Rainbow trout	Oncorhynchus mykiss	<3 g	S	99.9	96 hr	LC50	0.15	PPM	0.11-0.21

Chlorantraniliprole	500008-45-7	Crustacea	Water flea	Daphnia magna	<24hr	S	Tech	48 hr	EC50	0.0116	PPM	N.R.
Chlorantraniliprole	500008-45-7	Crustacea	Water flea	Daphnia magna	28D	S	Tech	48 hr	EC50	0.0166	PPM	N.R.
Chlorantraniliprole	500008-45-7	Crustacea	Water flea	Daphnia magna	N.R.	N.R.	Tech	N.R.	EC50	0.0098	PPM	N.R.
Chlorantraniliprole	500008-45-7	Crustacea	Scud	Gammarus pseudolimnaeus	N.R.	S	Tech	48 hr	LC50	0.0351	PPM	N.R.
Chlorantraniliprole	500008-45-7	Crustacea	Mysid	Americamysis bahia	<24 hr	N.R.	Tech	96 hr	LC50	1.15	PPM	N.R.
Chlorantraniliprole	500008-45-7	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	Tech	96 hr	EC50	0.0399	PPM	N.R.
Chlorethoxyfos	54593-83-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	86	48 hr	EC50	0.41	PPB	0.36-0.47
Chlorethoxyfos	54593-83-8	Crustacea	Mysid	Americamysis bahia	<24 hr	SR	86	96 hr	LC50	0.054	PPB	0.034-0.096
Chlorethoxyfos	54593-83-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	86	96 hr	LC50	0.1	PPB	0.08-0.12
Chlorethoxyfos	54593-83-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.55 g	S	86	96 hr	LC50	89	PPB	63-120
Chlorethoxyfos	54593-83-8	Fishes	Bluegill sunfish	Lepomis macrochirus	2.9 cm	S	86	96 hr	LC50	2.3	PPB	1.8-2.9
Chlorethoxyfos	54593-83-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.21 g	S	86	96 hr	LC50	1.8	PPB	1.2-2.5
Chlorethoxyfos	54593-83-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	86	48 hr	EC50	0.13	PPB	0.1-0.14
Chlorfenapyr	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 Hr	F	94.5	48 Hr	EC50	7.8	PPB	7.0-8.8
Chlorfenapyr	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 Hr	F	94.5	96 hr	EC50	5.83	PPB	5.05-6.79
Chlorfenapyr	122453-73-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.9 g	F	94.5	96 hr	LC50	7.44	PPB	6.48-8.95
Chlorfenapyr	122453-73-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.48 g	F	94.5	96 hr	LC50	11.6	PPB	9.5-14.7
Chlorfenapyr	122453-73-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	94.5	96 hr	LC50	60.2	PPB	53.5-68.6
Chlorfenapyr	122453-73-0	Fishes	Channel catfish	Ictalurus punctatus	32 mm	F	94.5	96 hr	LC50	12.3	PPB	7.2-24.9
Chlorfenapyr	122453-73-0	Crustacea	Mysid	Americamysis bahia	< 24 h	F	97	96 hr	LC50	2.03	PPB	1.69-2.51
Chlorfenapyr CL 303267 soil metabolite	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 Hr	S	98.1	48 hr	EC50	107	PPB	79-140
Chlorfenapyr CL 303267 soil metabolite	122453-73-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	98.1	96 hr	LC50	70	PPB	62-79
Chlorfenapyr CL 312094 soil metabolite	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 Hr	S	98	48 hr	EC50	563	PPB	360-1000

Chlorfenapyr CL 325195 soil metabolite	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 Hr	S	97	48 hr	EC50	1672	PPB	1461.7-1905.4
Chlorfenapyr CL 325195 soil metabolite	122453-73-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.39 g	S	97	96 hr	LC50	2100	PPB	1800-2400
Chlorfenapyr CL 357,806 photolytic degradate	122453-73-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	18	PPB	13-25
Chlorflurenol methyl ester	2536-31-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.18 g	SR	98.9	96 hr	LC50	2.83	PPM	2.06-3.79
Chlorflurenol methyl ester	37339-61-0	Crustacea	Waterflea	Daphnia magna	<24 hr	SR	99	48 hr	EC50	7.49	PPM	6.51-8.79
Chlorflurenol methyl ester	2536-31-4	Fishes	Bluegill sunfish	Lepomis macrochirus	3 g	S	99	96 hr	LC50	2.14	PPM	1.84-2.54
Chlorflurenol methyl ester	37339-61-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.23 g	SR	99	96 hr	LC50	1.62	PPM	1.41-1.92
Chlorflurenol methyl ester	37339-61-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.18 g	SR	99	96 hr	LC50	3.55	PPM	3.09-4.05
Chlorhexidine diacetate	56-95-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	63	PPB	32-102
Chlorhexidine diacetate	56-95-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	100	96 hr	LC50	600	PPB	479-771
Chlorhexidine diacetate	56-95-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	1871	PPB	1531-2293
Chlorimuron Ethyl	90982-32-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	96	96 hr	LC50	8.4	PPM	N/A
Chlormequat chloride	999-81-5	Crustacea	Pink shrimp	Penaeus duorarum	4-5 cm	S	98	96 hr	LC50	804	PPM	401-1620
Chlormequat chloride	999-81-5	Mollusca	Eastern oyster	Crassostrea virginica	3-5cm	SR	98	96 hr	EC50	32	PPM	9-112
Chlormequat chloride	999-81-5	Crustacea	Water flea	Daphnia magna	6-24hr	S	100	48 hr	EC50	16.7	PPM	14.9-19.2
Chlorobenzilate	510-15-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	96 hr	EC50	1.4	PPM	1.1-1.8
Chlorobenzilate	510-15-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	93	96 hr	LC50	1.3	PPM	1.0-1.8
Chlorobenzilate	510-15-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	93	96 hr	LC50	1.6	PPM	1.4-1.9
Chlorobenzilate	510-15-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	93	96 hr	LC50	0.88	PPM	0.63-1.1
Chloroneb	2675-77-6	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	6.19	PPM	5.8-6.64
Chloroneb	2675-77-6	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	90	96 hr	LC50	3.7	PPM	3.3-4.0
Chloroneb	2675-77-6	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	90	96 hr	LC50	7.9	PPM	6-12
Chloroneb	2675-77-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	S	93.7	96 hr	LC50	4.9	PPM	4.25-5.70
Chloroneb	2675-77-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.3	96 hr	EC50	1	PPM	0.75-1.4
Chlorophacinone	3691-35-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	0.64	PPM	0.54-0.82

Chlorophacinone	3691-35-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	100	96 hr	LC50	0.45	PPM	0.42-0.49
Chlorophacinone	3691-35-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	100	96 hr	LC50	0.71	PPM	0.63-0.83
Chlorophacinone	3691-35-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.426	PPM	0.362-0.502
Chlorophacinone	3691-35-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	0.252	PPM	0.175-0.321
Chlorophacinone	3691-35-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.692	PPM	0.533-0.849
Chloropicrin	76-06-2	Crustacea	Water flea	Daphnia pulex	1st-I	S	96.5	48 hr	EC50	63	PPB	47-86
Chloropicrin	76-06-2	Crustacea	Water flea	Daphnia magna	< 24 h	F	99.8	48 hr	EC50	120	PPB	100-130
Chloropicrin	76-06-2	Crustacea	Mysid	Mysidopsis bahia	< 24 h	F	99.8	96 hr	LC50	27	PPB	21-37
Chloropicrin	76-06-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	99.8	96 hr	LC50	100	PPB	67-150
Chloropicrin	76-06-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.89 g	F	99.8	96 hr	LC50	11	PPB	7.7-17
Chloropicrin	76-06-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.58 g	F	99.8	96 hr	LC50	50	PPB	33-62
Chloropicrin	76-06-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.8	96 hr	LC50	10	PPB	4.4-24
Chloropicrin	76-06-2	Crustacea	Water flea	Daphnia magna	< 24 h	S	99.9	48 hr	EC50	170	PPB	109-210
Chloropicrin	76-06-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.58 g	SR	99.9	96 hr	LC50	44.1	PPB	32-Inf
Chloropicrin	76-06-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.1 g	SR	99.9	96 hr	LC50	5.14	PPB	3.15-8.4
Chlorothalonil	1897-45-6	Crustacea	Dungeness crab	Cancer magister	N.R.	S	75	96 hr	LC50	140	PPB	N.R.
Chlorothalonil	1897-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	75	48 hr	LC50	152	PPB	134-173
Chlorothalonil	1897-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	75	96 hr	LC50	103	PPB	98-108
Chlorothalonil	1897-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	35+mm	S	75	24 hr	LC50	167	PPB	N.R.
Chlorothalonil	1897-45-6	Crustacea	Water flea	Daphnia magna	<24hr	S	96	48 hr	EC50	70	PPB	34.2-143
Chlorothalonil	1897-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	96	96 hr	LC50	62	PPB	52-78
Chlorothalonil	1897-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	96	96 hr	LC50	47	PPB	32-68
Chlorothalonil	1897-45-6	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	96	96 hr	LC50	43	PPB	26-70
Chlorothalonil	1897-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.39 g	S	98	96 hr	LC50	51	PPB	45-57
Chlorothalonil	1897-45-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.18	48 hr	EC50	54	PPB	45-65
Chlorothalonil	1897-45-6	Fishes	Common carp	Cyprinus carpio	1.68 g	F	99.18	96 hr	LC50	55	PPB	46-73
Chlorothalonil	1897-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	99.18	96 hr	LC50	17.9	PPB	13.1-23.3

Chlorothalonil	1897-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	99.7	96 hr	LC50	84	PPB	71-99.0
Chlorothalonil	1897-45-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	Tech	96 hr	LC50	165	PPB	100-270
Chlorothalonil	1897-45-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	Tech	48 hr	LC50	320	PPB	N.R.
Chlorothalonil	1897-45-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	386	PPB	N.R.
Chlorothalonil	1897-45-6	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	Tech	96 hr	LC50	250	PPB	N.R.
Chlorothalonil	1897-45-6	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	Tech	96 hr	LC50	430	PPB	N.R.
Chlorothalonil	1897-45-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	3-7 D	S	Tech	96 hr	LC50	32	PPB	30-36
Chlorothalonil	1897-45-6	Fishes	Spot	Leiostomus xanthurus	Juv	F	Tech	48 hr	LC50	32	PPB	N.R.
Chlorothalonil	1897-45-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	Tech	96 hr	EC50	26	PPB	N.R.
Chlorothalonil(Degradate)	1897-45-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	Tech	48 hr	EC50	320	PPB	N.R.
Chlorothalonil(Degradate)	1897-45-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	Tech	96 hr	EC50	3.6	PPB	2.9-4.3
Chlorpropham	101-21-3	Crustacea	Water flea	Daphnia magna	1st-I	S	98.2	48 hr	EC50	3.7	PPM	3.0-4.6
Chlorpropham	101-21-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	98.8	96 hr	LC50	5.7	PPM	3.8-7.4
Chlorpropham	101-21-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.59 g	S	98.8	96 hr	LC50	6.8	PPM	5.4-9.6
Chlorpropham	101-21-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5-3	S	Tech	96 hr	LC50	3.02	PPM	2.9-3.2
Chlorpropham	101-21-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5-3	S	Tech	96 hr	LC50	6.3	PPM	5.9-6.7
Chlorpyrifos	2921-88-2	Crustacea	Mysid	Americamysis bahia	1 D	F	92	96 hr	LC50	0.035	PPB	0.029-0.043
Chlorpyrifos	2921-88-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	92	48 hr	LC50	1.5	PPB	N.R.
Chlorpyrifos	2921-88-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	92	48 hr	LC50	0.2	PPB	N.R.
Chlorpyrifos	2921-88-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	92	48 hr	LC50	2.4	PPB	N.R.
Chlorpyrifos	2921-88-2	Crustacea	Blue crab	Callinectes sapidus	Juv	F	92	48 hr	LC50	5.2	PPB	N.R.
Chlorpyrifos	2921-88-2	Fishes	Tidewater Silverside	Menidia peninsulae	Larvae	F	92	96 hr	LC50	0.42	PPB	0.33-0.57
Chlorpyrifos	2921-88-2	Fishes	Atlantic silverside	Menidia menidia	Larvae	F	92	96 hr	LC50	0.51	PPB	0.40-0.67
Chlorpyrifos	2921-88-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	J 28D	S	92	96 hr	LC50	270	PPB	240-300
Chlorpyrifos	2921-88-2	Fishes	California grunion	Leuresthes tenuis	Larvae	F	92	96 hr	LC50	1	PPB	0.76-1.4
Chlorpyrifos	2921-88-2	Fishes	Longnose killifish	Fundulus similis	Juv	F	92	96 hr	LC50	3.2	PPB	N.R.

Chlorpyrifos	2921-88-2	Fishes	Gulf toadfish	Opsanus beta	Juv	F	92	96 hr	LC50	68	PPB	(0-inf)
Chlorpyrifos	2921-88-2	Fishes	Spot	Leiostomus xanthurus	Juv	F	92	48 hr	LC50	7	PPB	N.R.
Chlorpyrifos	2921-88-2	Fishes	Striped mullet	Mugil cephalus	Juv	F	92	96 hr	LC50	5.4	PPB	4.0-6.9
Chlorpyrifos	2921-88-2	Fishes	Gulf Killifish	Fundulus grandis	Juv	F	92	96 hr	LC50	1.8	PPB	1.5-2.1
Chlorpyrifos	2921-88-2	Fishes	Atlantic silverside	Menidia menidia	Juv	F	92	96 hr	LC50	1.7	PPB	1.4-2.0
Chlorpyrifos	2921-88-2	Fishes	Tidewater silverside	Menidia peninsulae	60 D	F	92	96 hr	LC50	1.3	PPB	1.0-1.7
Chlorpyrifos	2921-88-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	92	96 hr	LC50	140	PPB	110-160
Chlorpyrifos	2921-88-2	Fishes	Inland silverside	Menidia beryllina	Juv	F	92	96 hr	LC50	4.2	PPB	3.4-5.4
Chlorpyrifos	2921-88-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92	96 hr	EC50	34	PPB	N.R.
Chlorpyrifos	2921-88-2	Crustacea	Mysid	Americamysis bahia	Juv	F	95	96 hr	LC50	0.045	PPB	0.038-0.070
Chlorpyrifos	2921-88-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	84	PPB	77-91
Chlorpyrifos	2921-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.9	48 hr	EC50	0.1	PPB	0.09-0.12
Chlorpyrifos	2921-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	F	95.9	96 hr	LC50	27	PPB	20-32
Chlorpyrifos	2921-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	2.1 g	F	95.9	96 hr	LC50	5.8	PPB	4.7-7.5
Chlorpyrifos	2921-88-2	Crustacea	Scud	Gammarus lacustris	Adult	S	97	96 hr	LC50	0.11	PPB	0.07-0.17
Chlorpyrifos	2921-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5g	S	97	96 hr	LC50	1.7	PPB	N.R.
Chlorpyrifos	2921-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4g	S	97	96 hr	LC50	7.1	PPB	6.0-8.4
Chlorpyrifos	2921-88-2	Fishes	Channel catfish	Ictalurus punctatus	0.8g	S	97	96 hr	LC50	280	PPB	206-381
Chlorpyrifos	2921-88-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.9 g	S	97	96 hr	LC50	5.4	PPB	4.1-7.1
Chlorpyrifos	2921-88-2	Fishes	Lake trout	Salvelinus namaycush	2.9 g	S	97	96 hr	LC50	73	PPB	45-121
Chlorpyrifos	2921-88-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.7	48 hr	EC50	1.72	PPB	1.0-2.0
Chlorpyrifos	2921-88-2	Crustacea	Amphipod	Hyalella azteca	14-21	SR	98.1	96 Hr	EC50	0.138	PPB	0.109-0.175
Chlorpyrifos	2921-88-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.85g	S	99	96 hr	LC50	3	PPB	N.R.
Chlorpyrifos	2921-88-2	Fishes	Golden shiner	Notemigonus crysoleucas	Adult	S	99	36 hr	LC50	35	PPB	N.R.
Chlorpyrifos	2921-88-2	Fishes	Mosquitofish	Gambusia affinis	Adult	S	99	36 hr	LC50	215	PPB	N.R.
Chlorpyrifos	2921-88-	Fishes	Green sunfish	Lepomis cyanellus	Adult	S	99	36 hr	LC50	22.5	PPB	N.R.

	2											
Chlorpyrifos	2921-88-2	Fishes	Fathead minnow	Pimephales promelas	0.1 g	F	99.9	96 hr	LC50	203	PPB	191-217
Chlorpyrifos	2921-88-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	99.9	96 hr	LC50	8	PPB	6.8-9.4
Chlorpyrifos	2921-88-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	F	Tech	96 hr	LC50	140	PPB	N.R.
Chlorpyrifos (in pore water)	2921-88-2	Crustacea	Amphipod	Hyalella azteca	7-14 D	F	98.1	10 D	LC50	0.0148 (porew)	PPB	0.0131-0.0168
Chlorpyrifos 3,5,6-trichloro-2-pyridinol deg.	2921-88-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	99.9	96 hr	LC50	83000	PPB	71400-97100
Chlorpyrifos 3,5,6-trichloro-2-pyridinol deg.	2921-88-2	Fishes	Atlantic silverside	Menidia menidia	0.14 g	F	99.9	96 hr	LC50	58400	PPB	44500-76700
Chlorpyrifos 3,5,6-trichloro-2-pyridinol deg.	2921-88-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.9	96 hr	EC50	9300	PPB	8600-10000
Chlorpyrifos methyl	5598-13-0	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	1.11	PPB	0.72-1.735
Chlorpyrifos methyl	5598-13-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.53g	S	96	96 hr	LC50	880	PPB	805-969
Chlorpyrifos methyl	5598-13-0	Crustacea	White River Crayfish	Procambarus sp.	N.R.	S	98	36 hr	LC50	3.5	PPB	0.20-20.0
Chlorpyrifos methyl	5598-13-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	12.6	PPB	10.7-15.0
Chlorpyrifos methyl	5598-13-0	Fishes	Goldfish	Carassius auratus	N.R.	S	98	96 hr	LC50	350	PPB	N.R.
Chlorpyrifos methyl	5598-13-0	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	98	96 hr	LC50	135	PPB	N.R.
Chlorpyrifos methyl	5598-13-0	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	Tech	48 hr	LC50	0.028	PPB	N.R.
Chlorpyrifos methyl	5598-13-0	Crustacea	Brown shrimp	Penaeus aztecus	N.R.	S	Tech	48 hr	LC50	0.68	PPB	N.R.
Chlorpyrifos methyl	5598-13-0	Fishes	Spot	Leiostomus xanthurus	N.R.	S	Tech	48 hr	LC50	150	PPB	N.R.
Chlorpyrifos methyl	5598-13-0	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	S	Tech	96 hr	EC50	320	PPB	N.R.
Chlorsulfuron	64902-72-3	Crustacea	Water flea	Daphnia magna	1st-I	S	91	48 hr	EC50	370	PPM	346.4-400.2
Chlorsulfuron	64902-72-3	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	91	96 hr	LC50	50	PPM	N.R.
Chlorsulfuron	64902-72-3	Crustacea	Mysid	Americamysis bahia	Juv	S	98.2	96 hr	LC50	89	PPM	71-136
Chlorsulfuron	64902-72-3	Mollusca	Eastern oyster	Crassostrea virginica	Embryo	S	98.2	48 hr	EC50	376	PPM	351.5-402.4
Chlorsulfuron	64902-72-3	Mollusca	Eastern oyster	Crassostrea virginica	EmbLar	S	98.2	48 hr	EC50	385	PPM	359-414

Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Crustacea	Water flea	Daphnia magna	1st-I	S	75	48 hr	EC50	24.4	PPM	16.3-34.4
Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	138	PPM	98-193
Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Crustacea	Scud	Gammarus pseudolimnaeus	Mat	S	75	96 hr	LC50	6.4	PPM	3.7-38.6
Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.33 g	S	75	96 hr	LC50	30	PPM	22.14-40.64
Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	96.7	96 hr	LC50	6.6	PPM	N.R.
Chlorthal dimethyl (DCPA or Dacthal)	1861-32-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	100	96 hr	EC50	0.62	PPM	N.R.
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	18.02	PPM	8.65-27.2
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 H	S	75	48 hr	EC50	24.4	PPM	16.3-34.4
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	27.7	PPM	19.7-38.2
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	62.5	PPM	32.9-1151.7
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	24.54	PPM	16.9-34.0
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	22.8	PPM	14.15-32.9
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	75	96 hr	LC50	6.4	PPM	3.7-38.6
Chlorthal dimethyl(DCPA or Dacthal) 75 WP	1861-32-1	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	75	96 hr	LC50	3.16	PPM	1-10
Cimecticarb	95266-40-3	Crustacea	Mysid	Americamysis bahia	Adult	F	92.2	96 hr	LC50	6.5	PPM	5.8-7.5
Cimecticarb	95266-40-3	Fishes	Common carp	Cyprinus carpio	0.88 g	F	92.2	96 hr	LC50	57	PPM	45-73
Cimecticarb	95266-40-3	Fishes	Channel catfish	Ictalurus punctatus	1.24 g	F	92.2	96 hr	LC50	35	PPM	31-45
Cimecticarb	95266-40-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.25 g	F	92.2	96 hr	LC50	180	PPM	160-200

Cimecticarb	95266-40-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.73 g	SR	96.6	96 hr	LC50	65.7	PPM	56.6-76.3
Cinnamaldehyde	104-55-2	Crustacea	Water flea	Daphnia magna	<24 Hr	S	98	48 Hr	EC50	7.05	PPM	6.14 - 8.13
Cinnamaldehyde	104-55-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98	96 Hr	LC50	2.99	PPM	2.24 - 4.0
Cinnamaldehyde	104-55-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	98	96 Hr	LC50	1.67	PPM	1.25 - 2.24
Citronella oil	8000-29-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	26.4	PPM	13-36
Citronella oil	8000-29-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	S	100	96 hr	LC50	17.3	PPM	13-21.6
Clethodim	99129-21-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.67 g	S	83.3	96 hr	LC50	19	PPM	N.A.
Clethodim	99129-21-2	Crustacea	Mysid	Americamysis bahia	5 D	SR	95.4	96 hr	LC50	33	PPM	28-40
Clethodim	99129-21-2	Fishes	Fathead minnow	Pimephales promelas	0.20 g	SR	95.4	96 hr	LC50	110	PPM	55-infinity
Clethodim	74051-80-2	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	95.4	96 hr	EC50	5.3	PPM	3.5-7.9
Clethodim Agan	99129-21-2	Fishes	Zebrafish	Danio rerio	0.271g	F	95.7	96 hr	LC50	133	PPM	103-172
Clodinafop-propargyl	105512-06-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.82 g	F	93.7	96 hr	LC50	0.24	PPM	0.12-0.26
Clodinafop-propargyl	105512-06-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.38 g	S	93.7	96 hr	LC50	0.39	PPM	0.22-0.78
Clodinafop-propargyl	105512-06-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	F	94.7	96 hr	LC50	0.3	PPM	0.26-0.34
Clomazone	81777-89-1	Crustacea	Water flea	Daphnia magna	1st-I	S	88.8	48 hr	EC50	5.2	PPM	4.4-6.1
Clomazone	81777-89-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	88.8	96 hr	LC50	34	PPM	29-40
Clomazone	81777-89-1	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	88.8	96 hr	LC50	19	PPM	16-22
Clomazone	81777-89-1	Crustacea	Mysid	Americamysis bahia	Juv	F	92.9	96 hr	LC50	0.566	PPM	0.49-0.66
Clomazone	81777-89-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.8g	F	92.9	96 hr	LC50	40.6	PPM	27.5-59.9
Clomazone	81777-89-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.4	96 hr	EC50	5.3	PPM	5.0-5.7
Clopyralid,monoethanolamine salt (DOWCO 290)	57754-85-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	225	PPM	208-245
Clopyralid,monoethanolamine salt (DOWCO 290)	57754-85-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	125.4	PPM	124-126.8
Clopyralid,monoethanolamine salt (DOWCO 290)	57754-85-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	103.5	PPM	94.4-110.5
Clothianidin	210880-92-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.6	96 hr	LC50	0.051	PPM	0.044-0.057

Clothianidin (in overwater)	210880-92-5	Crustacea	Marine amphipod	Leptocheirus plumulosus	2-4 mm	S	99.4	10 D	LC50	3.23 (overw)	PPB	2.11-4.47
Clothianidin (in porewater)	210880-92-5	Crustacea	Marine amphipod	Leptocheirus plumulosus	2-4 mm	S	99.4	10 D	LC50	20.4 (porew)	PPB	18.3-22.6
Clothianidin Thiazolylnitroguanidine metabolite	210880-92-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	64	PPM	51.7-79.6
Coal Tar	8007-45-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	24 hr	LC50	5.1	PPM	N.R.
Coal Tar	8007-45-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90	96 hr	LC50	3.13	PPM	N.R.
Coal Tar	8007-45-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	90	96 hr	LC50	4.35	PPM	3.9-4.8
Coal Tar	8007-45-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	100	96 hr	LC50	0.9	PPM	0.6-1.23
Coal Tar	8007-45-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.62 g	S	100	96 hr	LC50	2	PPM	1.6-2.4
Coal Tar Creosote	8001-58-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.70 g	S	97	96 Hr	LC50	1.6	PPM	1.28-2.0
Coal Tar Creosote (C & P Creosote)	8001-58-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.01 g	S	97	96 hr	LC50	0.6	PPM	0.37 - 0.95
Coal Tar Creosote (Creosote oil)	61789-28-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.67	S	100	96 Hr	LC50	1.5	PPM	1.18-1.91
Coal tar neutral oils	65996-78-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	90	96 Hr	LC50	4.35	PPM	NR
Coal tar neutral oils	65996-78-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.55 g	S	90	96 Hr	LC50	3.13	PPM	2.95-3.32
Copper Chloride Dehydrate(total dissolved Cu)	10125-13-0	Crustacea	Sea urchin	Paracentrotus lividus	Larvae	S	99.9	48 hr	EC50	26.2	PPB	24.1-28.6
Copper Chloride Dehydrate(total dissolved Cu)	10125-13-0	Mollusca	Mussel	Mytilus edulis	Embryo	F	99.9	48 hr	EC50	13.81	PPB	13.67-13.96
Copper Chloride Dehydrate(total dissolved Cu)	10125-13-0	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	F	>99	24 hr	EC50	22.67	PPM	18.7-27.9
Copper chloride hydroxide	1332-65-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	99	96 hr	LC50	0.98	PPM	N.R.
Copper isooctanoate mixture (4 actives)	88859-94-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	80.98	48 hr	EC50	0.69	PPM	0.56-1.0
Copper isooctanoate mixture (4 actives)	88859-94-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	80.98	96 hr	LC50	1.8	PPM	1.2-2.9
Copper isooctanoate mixture (4 actives)	88859-94-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.36 g	S	80.98	96 hr	LC50	0.044	PPM	0.021-0.066
Copper naphthenate	1338-02-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.57 g	SR	95.6	96 hr	LC50	0.161	PPM	0.02-0.23
Copper naphthenate	1338-02-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.9	48 hr	EC50	4.6	PPM	2.6-8.2

Copper naphthenate	1338-02-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.46 g	SR	98.9	96 hr	LC50	1.53	PPM	1.1-2.0
Copper omadine	154592-20-8	Crustacea	Water flea	Daphnia magna	24 Hr	SR	94.7	48 Hr	LC50	10.1	PPB	7.9-13
Copper omadine	154592-20-8	Fishes	Fathead minnow	Pimephales promelas	Juv	SR	94.7	96 Hr	LC50	4.3	PPB	3.7-5.0
Copper omadine	154592-20-8	Mollusca	Eastern oyster	Crassostrea virginica	Spat	SR	94.7	96 Hr	EC50	9.2	PPB	0-infinity
Copper oxide	1317-39-1	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97	96 hr	LC50	69.7	PPB	57-92
Copper sulfate, anhydrous	7758-98-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	S	98	96 hr	LC50	0.135	PPM	N.R.
Copper sulfate, anhydrous	7758-98-7	Fishes	Goldfish	Carassius auratus	0.9 g	S	98	96 hr	LC50	1.38	PPM	0.989-1.930
Copper sulfate, anhydrous	7758-98-7	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	98	96 hr	LC50	0.838	PPM	0.623-1.00
Copper sulfate, anhydrous	7758-98-7	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	98	96 hr	LC50	3.4	PPM	2.6-4.44
Copper sulfate, anhydrous	7758-98-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	98	96 hr	LC50	0.884	PPM	0.707-1.100
Copper sulfate, basic	1344-73-6	Fishes	Pompano	Trachinotus carolinus	0.25 g	S	Tech	96 hr	LC50	1.42	PPM	N.R.
Copper sulfate, pentahydrate	7758-99-8	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	182	PPB	147-227
Copper sulfate, pentahydrate	7758-99-8	Crustacea	Blue crab	Callinectes sapidus	N.R.	S	99	96 hr	LC50	28	PPM	19.44-40.32
Copper sulfate, pentahydrate	7758-99-8	Crustacea	Shore shrimp	Palaemonetes vulgaris	N.R.	S	99	96 hr	LC50	17	PPM	8.9-32.3
Copper sulfate, pentahydrate	7758-99-8	Crustacea	Blue crab	Callinectes sapidus	N.R.	S	99	96 hr	LC50	3	PPM	2.0-4.5
Copper sulfate, pentahydrate	7758-99-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	1.3	PPM	0.96-1.8
Copper sulfate, pentahydrate	7758-99-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.45 g	S	99	96 hr	LC50	0.13	PPM	0.09-0.19
Copper sulfate, pentahydrate	7758-99-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.14g	S	99	96 hr	LC50	2.87	PPM	2.51-3.27
Copper sulfate, pentahydrate	7758-99-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99	96 hr	EC50	5.8	PPM	3.87-8.7
Copper sulfate, pentahydrate	7758-99-8	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	Tech	96 hr	LC50	16	PPM	11-22
Copper sulfate, pentahydrate	7758-99-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	Tech	96 hr	LC50	3.12	PPM	0-inf
Copper sulfate, pentahydrate	7758-99-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	Tech	96 hr	LC50	2.8	PPM	2.2-3.2
Copper sulfate, pentahydrate	7758-99-8	Fishes	Pompano	Trachinotus carolinus	0.25 g	S	Tech	96 hr	LC50	1.42	PPM	N.R.
Copper sulfate, pentahydrate	7758-99-8	Fishes	Fathead minnow	Pimephales promelas	NR	S	Tech	NR	LC50	0.18	PPM	NR
Copper sulfate, pentahydrate	7758-99-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	Tech	48 hr	EC50	0.054	PPM	0.032-.093

Copper thiocyanate (Bardike formulation)	1111-67-7	Fishes	Rainbow trout	Oncorhynchus mykiss	50 mm	S	99	96 hr	LC50	79	PPB	62-99
Copper thiocyanate (Bardike formulation)	1111-67-7	Fishes	Bluegill sunfish	Lepomis macrochirus	50 mm	S	99	96 hr	LC50	79	PPB	32-135
Copper-Bis-(N-Cyclohexyldiazeniumdioxy)	312600-89-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.237	SR	98	96 hr	LC50	420	PPB	320-560
Copper-Bis-(N-Cyclohexyldiazeniumdioxy)	312600-89-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	100	96 hr	LC50	490	PPB	410-730
Copper-Bis-(N-Cyclohexyldiazeniumdioxy)	312600-89-8	Mollusk	Eastern oyster	Crassostrea virginica	Spat	F	100	96 hr	EC50	102.9	PPB	86-113
Coumaphos	56-72-4	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	95	48 hr	EC50	0.1	PPB	N.R.
Coumaphos	56-72-4	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	95	48 hr	LC50	2	PPB	N.R.
Coumaphos	56-72-4	Crustacea	Scud	Gammarus lacustris	Mat	S	95	96 hr	LC50	0.074	PPB	0.059-0.092
Coumaphos	56-72-4	Crustacea	Scud	Gammarus lacustris	N.R.	S	95	96 hr	LC50	0.15	PPB	0.11-0.20
Coumaphos	56-72-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	95	48 hr	LC50	280	PPB	N.R.
Coumaphos	56-72-4	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.30 g	S	95	96 hr	LC50	862	PPB	645-1150
Coumaphos	56-72-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	95	96 hr	LC50	890	PPB	N.R.
Coumaphos	56-72-4	Fishes	Lake trout	Salvelinus namaycush	2.1 g	S	95	96 hr	LC50	593	PPB	416-846
Coumaphos	56-72-4	Fishes	Channel catfish	Ictalurus punctatus	1.0 g	S	95	96 hr	LC50	840	PPB	620-1140
Coumaphos	56-72-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	95	96 hr	LC50	340	PPB	N.R.
Coumaphos	56-72-4	Fishes	Largemouth bass	Micropterus salmoides	0.9 g	S	95	96 hr	LC50	1100	PPB	1000-1200
Coumaphos	56-72-4	Fishes	Walleye	Stizostedion vitreum v.	4.8 g	S	95	96 hr	LC50	780	PPB	645-943
Coumaphos	56-72-4	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	95	96 hr	EC50	290	PPB	N.R.
Coumaphos	56-72-4	Crustacea	Scud	Gammarus lacustris	N.R.	S	97	48 hr	LC50	0.14	PPB	0.082-0.24
Coumaphos	56-72-4	Crustacea	Water flea	Daphnia magna	Adult	S	99	48 hr	EC50	0.192	PPB	0.134-0.240
Coumaphos	56-72-4	Crustacea	Scud	Gammarus lacustris	Juv	S	99	48 hr	LC50	0.224	PPB	0.201-0.246
Coumaphos	56-72-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99.6	96 hr	LC50	5300	PPB	4000-6900
Coumaphos	56-72-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99.6	96 hr	LC50	5900	PPB	5090-6850
Creosote oil	61789-	Fishes	Rainbow trout	Oncorhynchus	1.01 g	S	100	48 hr	LC50	0.98	PPM	0.42 - 2.2

	28-4			mykiss								
Creosote-Coal Tar distillate	8001-58-9	Crustacea	Mysid	Americamysis bahia	1 D	S	97	96 hr	LC50	18	PPB	15-21
Creosote-Coal Tar distillate	8001-58-9	Crustacea	Pink shrimp	Penaeus duorarum	83 mm	F	97	96 hr	LC50	240	PPB	180-340
Creosote-Coal Tar distillate	8001-58-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	97	96 hr	LC50	720	PPB	660-790
Creosote-Coal Tar distillate	8001-58-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	97	96 hr	LC50	3500	PPB	2900-4200
Creosote-Coal Tar distillate	8001-58-9	Mollusca	Eastern oyster	Crassostrea virginica	36 mm	F	97	96 hr	EC50	710	PPB	410-1000
Crotoxyphos	7700-17-6	Crustacea	Scud	Gammarus lacustris	Adult	S	80	24 hr	LC50	49	PPB	36-67
Crotoxyphos	7700-17-6	Crustacea	Scud	Gammarus lacustris	Adult	S	80	48 hr	LC50	29	PPB	14-20
Crotoxyphos	7700-17-6	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	80	96 hr	LC50	51	PPB	28-91
Crotoxyphos	7700-17-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	80	96 hr	LC50	72.4	PPB	60-87.4
Crotoxyphos	7700-17-6	Fishes	Fathead minnow	Pimephales promelas	1.0 g	S	80	96 hr	LC50	11900	PPB	9830-14400
Crotoxyphos	7700-17-6	Fishes	Channel catfish	Ictalurus punctatus	1.1 g	S	80	96 hr	LC50	2600	PPB	2240-3020
Crotoxyphos	7700-17-6	Fishes	Largemouth bass	Micropterus salmoides	0.7 g	S	80	96 hr	LC50	1100	PPB	N.R.
Crotoxyphos	7700-17-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	80	96 hr	LC50	152	PPB	126-183
Crotoxyphos	7700-17-6	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	86	48 hr	LC50	32	PPB	N.R.
Crotoxyphos	7700-17-6	Crustacea	Scud	Gammarus fasciatus	Juv	S	Tech	96 hr	LC50	11	PPB	8-15
Cruformate (Ruelene 8R)	299-86-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	3700	PPB	3400-4100
Cryolite	15096-52-3	Crustacea	Water flea	Daphnia pulex	1st-I	S	96	48 hr	EC50	10	PPM	7.6-13.0
Cryolite	15096-52-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8 g	S	96	96 hr	LC50	47	PPM	N.R.
Cryolite	15096-52-3	Crustacea	Water flea	Simocephalus sp.	1st-I	S	98	48 hr	EC50	5	PPM	3.6-6.8
Cyanamide	420-04-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	88	PPM	N.R.
Cyanazine	21725-46-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.9	48 hr	EC50	42	PPM	36-50
Cyanazine	21725-46-2	Crustacea	Water flea	Daphnia magna	1st-I	S	98	48 hr	EC50	49	PPM	42-56
Cyanazine	21725-46-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	100	96 hr	LC50	2	PPM	N.R.
Cyanazine	21725-46-2	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	100	96 hr	LC50	16.3	PPM	14.2-18.0
Cyanazine	21725-46-2	Fishes	Channel catfish	Ictalurus punctatus	1.6 g	S	100	96 hr	LC50	17.4	PPM	12.2-24.8

Cyanazine	21725-46-2	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	80WP	48 hr	LC50	56	PPM	N.R.
Cyanazine	21725-46-2	Fishes	Channel catfish	Ictalurus punctatus	1.6 g	S	80WP	96 hr	LC50	10.4	PPM	7.7-14.0
Cyanazine	21725-46-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	80WP	96 hr	LC50	22.5	PPM	N.R.
Cyanazine	21725-46-2	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	80WP	96 hr	LC50	21.3	PPM	16.5-27.4
Cyanazine	21725-46-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	80WP	96 hr	LC50	9	PPM	5.6-14.6
Cyanazine	21725-46-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	80WP	48 hr	LC50	18	PPM	N.R.
Cyanazine	21725-46-2	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	S	80WP	96 hr	LC50	20	PPM	N.R.
Cyazofamid	120116-88-3	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	95.5	96 Hr	LC50	89	PPB	74.6-111
Cyazofamid	120116-88-3	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	95.5	96 Hr	EC50	14.7	PPB	7.78-27.8
Cyazofamid (CCIM)	120116-88-3	Crustacea	Water flea	Daphnia magna	<24 Hr	S	98.1	48 Hr	EC50	413	PPB	314-544
Cyazofamid (CCIM)	120116-88-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.84 g	S	98.1	96 Hr	LC50	3320	PPB	1520-4720
Cyclanilide	113136-77-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.04	48 hr	EC50	5	PPM	3.2-6.1
Cyclanilide	113136-77-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.8	96 hr	LC50	5	PPM	4.0-6.4
Cyclanilide	113136-77-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.19 g	F	98.8	96 hr	LC50	49	PPM	38-79
Cyclanilide	113136-77-9	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	98.8	96 hr	EC50	19	PPM	18-20
Cycloate	1134-23-2	Fishes	Mosquitofish	Gambusia affinis	1-4 cm	S	72.7	96 hr	LC50	10	PPM	5-31
Cycloate	1134-23-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	73.9	96 hr	LC50	6	PPM	4.6-7.8
Cycloate	1134-23-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	74.2	96 hr	LC50	5.6	PPM	3.8-8.2
Cycloate	1134-23-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	NR	95.8	96 hr	LC50	7	PPM	4.7-13.0
Cycloate	1134-23-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.8	48 hr	EC50	24	PPM	18-32
Cycloate	1134-23-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	S	96.8	96 hr	LC50	4.6	PPM	3.7-5.9
Cycloate	1134-23-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	97.8	96 hr	LC50	4.5	PPM	3-8
Cycloate	1134-23-2	Fishes	Bluegill sunfish	Lepomis macrochirus	2.0 g	S	98.6	96 hr	LC50	6.8	PPM	5.6-8.2
Cycloate	1134-23-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	2.6	PPM	1.8-4.0
Cyflufenamid	180409-60-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	SR	95.2	96 hr	LC50	1.04	PPM	0.651-1.43
Cyflufenamid	180409-	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.2	96 hr	LC50	0.64	PPM	0.56-0.70

	60-3											
Cyflufenamid	180409-60-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.2	96 hr	EC50	0.16	PPM	0.12-0.21
Cyflufenamid 149-F metabolite	180409-60-3	Crustacea	Waterflea	Daphnia magna	<24 hr	S	99.9	48 hr	EC50	55.6	PPM	46.2-67.4
Cyflufenamid 149-F metabolite	180409-60-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	SR	99.9	96 hr	LC50	41.3	PPM	24.3-inf
Cyflufenamid 149-F1 metabolite	180409-60-3	Crustacea	Waterflea	Daphnia magna	<24 hr	S	99.1	48 hr	EC50	14.4	PPM	11.2-18.9
Cyfluthrin	68359-37-5	Crustacea	Water flea	Daphnia magna	1st-I	S	87	48 hr	EC50	0.141	PPB	0.058-0.381
Cyfluthrin	68359-37-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.55 g	S	87	96 hr	LC50	4.05	PPB	2.16-6.00
Cyfluthrin	68359-37-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.39 g	S	87	96 hr	LC50	0.68	PPB	0.560-0.830
Cyfluthrin	68359-37-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	87	96 hr	LC50	1.5	PPB	1.100-1.900
Cyfluthrin	68359-37-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	87	96 hr	EC50	5	PPB	N.R.
Cyfluthrin	68359-37-5	Crustacea	Mysid	Americamysis bahia	6 D	F	90.5	96hr	LC50	0.00637	PPB	0.00463-0.0878
Cyfluthrin	68359-37-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92	96 hr	LC50	0.00242	PPB	0.0019-0.00316
Cyfluthrin	68359-37-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	93	96 hr	EC50	2.69	PPB	2.20-3.30
Cyfluthrin	68359-37-5	Fishes	Common carp	Cyprinus carpio	1.8 g	F	96.6	96 hr	LC50	5.81	PPB	2.56-20.8
Cyfluthrin	68359-37-5	Crustacea	Water flea	Daphnia magna	1st-I	S	98.6	48 hr	EC50	0.144	PPB	0.10-0.233
Cyfluthrin K+L	68359-37-5	Fishes	Golden orfe	Leuciscus idus melanotus	6.4 g	F	98.1	96 hr	LC50	0.336	PPB	0.227-0.496
Cyhalofop-butyl	122008-85-9	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	F	97.1	96 hr	LC50	0.81	PPM	0.6-1.3
Cyhalofop-butyl	122008-85-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	F	97.4	96 hr	LC50	0.93	PPM	0.83-1.39
Cyhalofop-butyl (N butyl ester)	122008-85-9	Fishes	Atlantic silverside	Menidia menidia	Juv	F	97.1	96 hr	LC50	0.83	PPM	0.57-Inf
Cyhalofop-butyl (N butyl ester)	122008-85-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.1	96 hr	EC50	0.52	PPM	0.32-0.83
Cyhalofop-butyl (N butyl ester)	122008-85-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.46 g	F	98.1	96 hr	LC50	0.76	PPM	0.32-1.02
Cyhalothrin	68085-85-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.49 g	F	91.8	96 hr	LC50	0.46	PPB	0.42-0.50
Cyhalothrin	68085-85-8	Crustacea	Water flea	Daphnia magna	1st-I	S	92.2	48 hr	EC50	0.38	PPB	0.29-0.50
Cyhalothrin	68085-85-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.79 g	F	92.2	96 hr	LC50	0.54	PPB	0.45-0.64
Cyhexatin	13121-70-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	91	96 hr	EC50	0.124	PPB	N.R.
Cyhexatin	13121-70-5	Crustacea	Pink shrimp	Penaeus duorarum	0.19 g	S	95.6	96 hr	LC50	1.4	PPB	1.1-1.7

Cyhexatin	13121-70-5	Fishes	Spot	Leiostomus xanthurus	1 g	S	96.6	96 hr	LC50	1.97	PPB	1.56-2.55
Cyhexatin	13121-70-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.8	48 hr	EC50	0.17	PPB	0.12-0.25
Cyhexatin	13121-70-5	Crustacea	Scud	Gammarus fasciatus	Mat	S	96.8	96 hr	LC50	5	PPB	N.R.
Cyhexatin	13121-70-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	96.8	96 hr	LC50	6.4	PPB	5.9-7.0
Cyhexatin	13121-70-5	Fishes	Largemouth bass	Micropterus salmoides	0.8 g	S	96.8	96 hr	LC50	2.1	PPB	1.9-2.3
Cyhexatin	13121-70-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.29 g	S	97.3	96 hr	LC50	3.7	PPB	3.17-5.25
Cyhexatin	13121-70-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	97.3	96 hr	LC50	5.5	PPB	4.9-6.2
Cyhexatin	13121-70-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.23 g	S	98	96 hr	LC50	1.29	PPB	N.R.
Cyhexatin	13121-70-5	Fishes	Channel catfish	Ictalurus punctatus	1.23 g	S	98	96 hr	LC50	1.98	PPB	N.R.
Cymoxanil	57966-95-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.6	48 hr	EC50	0.8	PPM	0.6-0.9
Cymoxanil	57966-95-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.6	48 hr	EC50	0.8	PPM	0.6-0.9
Cymoxanil	57966-95-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.8	48 hr	EC50	28	PPM	22-35
Cymoxanil	57966-95-7	Fishes	Rainbow trout	Oncorhynchus mykiss	3.0 g	F	97.8	21 D	LC50	1.5	PPM	0.94-2.7
Cymoxanil	57966-95-7	Fishes	Common carp	Cyprinus carpio	1.7 g	S	97.8	96 hr	LC50	91	PPM	72-113
Cymoxanil	57966-95-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	97.8	96 hr	LC50	61	PPM	47-79
Cymoxanil	57966-95-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.1 g	S	97.8	96 hr	LC50	29	PPM	17-50
Cypermethrin	52315-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	84.6	24 hr	EC50	2	PPB	1-3
Cypermethrin	52315-07-8	Crustacea	Scud	Gammarus pulex	3-8 mm	S	84.6	24 hr	EC50	0.04	PPB	0.02-0.06
Cypermethrin	52315-07-8	Crustacea	Sowbug	Asellus brevicaudus	3-8 mm	S	84.6	24 hr	LC50	0.2	PPB	0.1-0.4
Cypermethrin	52315-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.5	48 hr	EC50	1.01	PPB	0.80-1.31
Cypermethrin	52315-07-8	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	91.5	96 hr	LC50	0.036	PPB	0.031-0.043
Cypermethrin	52315-07-8	Crustacea	Fiddler crab	Uca pugilator	N.R.	F	91.5	96 hr	LC50	0.197	PPB	0.162-0.243
Cypermethrin	52315-07-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	91.5	96 hr	LC50	0.73	PPB	0.48-1.9
Cypermethrin	52315-07-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	91.5	96 hr	LC50	0.92	PPB	0.8-1.0
Cypermethrin	52315-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	91.5	96 hr	LC50	1.78	PPB	1.6-1.9
Cypermethrin	52315-	Fishes	Rainbow trout	Oncorhynchus	Mat	F	91.5	96 hr	LC50	0.9	PPB	0.72-1.35

	07-8			mykiss								
Cypermethrin	52315-07-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.29 g	F	91.5	96 hr	LC50	3.42	PPB	1.89-4.07
Cypermethrin	52315-07-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	91.5	96 hr	EC50	370	PPB	245-556
Cypermethrin	52315-07-8	Crustacea	Crayfish	Orconectes nais	Juv	F	91.7	96 hr	LC50	0.069	PPB	0.053-0.09
Cypermethrin	52315-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	92.9	96 hr	LC50	2.2	PPB	0-4.7
Cypermethrin	52315-07-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	F	92.9	101hr	LC50	0.82	PPB	0.7-0.9
Cypermethrin	52315-07-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95.9	96 hr	LC50	0.005	PPB	0.004-0.006
Cypermethrin	52315-07-8	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	96	96 hr	LC50	0.016	PPB	0.013-0.019
Cypermethrin	52315-07-8	Crustacea	Mysid	Americamysis bahia	6-8 D	F	97	96 hr	LC50	0.007	PPB	0.0025-0.0100
Cypermethrin	52315-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.4	48 hr	EC50	0.48	PPB	0.39-0.60
Cypermethrin	52315-07-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.4	96 hr	LC50	0.0055	PPB	0.0046-0.007
Cypermethrin	52315-07-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.61 g	F	98.4	96 hr	LC50	2.7	PPB	2.1-4.2
Cypermethrin	52315-07-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	F	98.4	96 hr	LC50	1.1	PPB	1.0-1.3
Cypermethrin	52315-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	F	98.4	96 hr	LC50	4.5	PPB	4.0-5.3
Cypermethrin 3 phenoxy benzoic acid degradate	52315-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	73	48 hr	EC50	111	PPM	82-147
Cypermethrin Beta	52315-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	95	48 hr	EC50	0.42	PPB	0.36-0.50
Cypermethrin Beta	52315-07-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95	96 hr	LC50	0.0059	PPB	0.005-0.007
Cypermethrin Beta	52315-07-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.53 g	F	98	96 hr	LC50	2.4	PPB	2.2-3.0
Cypermethrin Beta	52315-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	98	96 hr	LC50	1.2	PPB	1.0-1.3
Cypermethrin Beta	52315-07-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.86 g	F	98	96 hr	LC50	0.39	PPB	0.27-0.80
Cypermethrin- S	N. R.	Fishes	Rainbow trout	Oncorhynchus mykiss	Mat	F	88.2	96 hr	LC50	0.69	PPB	0.60-0.82
Cypermethrin- S	N. R.	Fishes	Sheepshead minnow	Cyprinodon variegatus	Mat	F	88.2	96 hr	LC50	2.39	PPB	1.79-3.0
Cypermethrin(14C)	52315-07-8	Crustacea	Water flea	Daphnia magna	LifCyc	F	100	21 D	EC50	0.0081	PPB	N.A.
Cyphenothrin	39515-40-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.3	48 hr	EC50	0.43	PPB	0.28-0.54
Cyphenothrin	39515-40-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.32 g	F	94.3	96 hr	LC50	0.34	PPB	0.14-0.64

Cyphenothrin	39515-40-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.3	48 hr	EC50	0.92	PPB	0.78-1.11
Cyphenothrin	39515-40-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	96.3	96 hr	LC50	0.37	PPB	0.24-.56
Cyproconazole	94361-06-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95.6	96 hr	LC50	9.6	PPM	8.3-11.4
Cyproconazole	94361-06-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.25 g	F	95.6	96 hr	LC50	21	PPM	17-26
Cyproconazole	94361-06-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.6	96 hr	EC50	2.6	PPM	1.9-3.0
Cyproconazole	94361-06-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.2	48 hr	EC50	26	PPM	22-32
Cyproconazole	94361-06-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	96.2	96 hr	LC50	21	PPM	18-24
Cyproconazole	94361-06-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	96.2	21 D	LC50	3.2	PPM	2.2-4.5
Cyproconazole	94361-06-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	96.2	96 hr	LC50	19	PPM	18-20
Cyprodinil	121552-61-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.2	48 hr	EC50	32	PPB	27.5-38.2
Cyprodinil	121552-61-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.2	96 hr	LC50	8.14	PPM	7.33-9.21
Cyprodinil	121552-61-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.19 g	F	99.2	96 hr	LC50	2.18	PPM	1.84-2.91
Cyprodinil	121552-61-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	99.2	96 hr	LC50	2.41	PPM	1.96-3.49
Cyprodinil	121552-61-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	F	99.2	96 hr	LC50	3.2	PPM	2.7-4.68
Cyprodinil	121552-61-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.21 g	F	99.2	96 hr	LC50	1.25	PPM	0.907-1.45
Cyprodinil	121552-61-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.2	96 hr	EC50	0.433	PPM	0.402-0.470
Daminozide	1596-84-5	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48hr	EC50	98.5	PPM	71.3-136.0
Daminozide	1596-84-5	Crustacea	Water flea	Daphnia magna	1st-I	F	100	96hr	EC50	71	PPM	62-82
Daminozide	1596-84-5	Fishes	Rainbow trout	Oncorhynchus mykiss	3 MOS	S	100	96hr	LC50	149.3	PPM	128-174
Daminozide	1596-84-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	100	96hr	LC50	448	PPM	240-750
Dazomet	533-74-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.6	96 hr	LC50	0.71	PPM	0.5-0.9
Dazomet	533-74-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	98.6	96 hr	LC50	97	PPM	72-130
Dazomet	533-74-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.6	96 hr	EC50	0.73	PPM	0.6-0.9
Dazomet	533-74-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	99	48 hr	EC50	11.9	PPM	9.5-14.8
Dazomet	533-74-4	Crustacea	Blue crab	Callinectes sapidus	Adult	S	99	96 hr	LC50	0.5	PPM	0.4-0.8
Dazomet	533-74-4	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	S	99	96 hr	LC50	0.3	PPM	0.24-0.43
Dazomet	533-74-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.8 g	S	99	96 hr	LC50	0.5	PPM	0.4-0.6

Dazomet	533-74-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99	96 hr	LC50	0.16	PPM	0.14-0.18
Dazomet	533-74-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	F	99	96 hr	LC50	16.2	PPM	12.1-21.7
Dazomet	533-74-4	Mollusca	Eastern oyster	Crassostrea virginica	50+mm	F	99	96 hr	EC50	0.128	PPM	0.06-0.31
Dazomet	533-74-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.46g	S	99.6	96 hr	LC50	0.3	PPM	0.2-0.4
Dazomet	533-74-4	Crustacea	Water flea	Daphnia magna	<20 hr	S	100	48 hr	EC50	0.31	PPM	0.26-0.37
Dazomet	533-74-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	100	96 hr	LC50	0.16	PPM	0.12-0.21
Dazomet Metasol D3T	533-74-4	Fishes	Brook trout	Salvelinus fontinalis	0.9 g	S	98	96 hr	LC50	0.5	PPM	0.37-0.68
DBNPA	10222-01-2	Fishes	Fathead minnow	Pimephales promelas	0.25 g	S	94.4	96 hr	LC50	1.8	PPM	1.7-1.9
DBNPA	10222-01-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	0.9	PPM	0.87-0.93
DBNPA	10222-01-2	Crustacea	Fiddler crab	Uca pugilator	15 +mm	S	95	96 hr	LC50	13.9	PPM	10-32
DBNPA	10222-01-2	Crustacea	Pink shrimp	Penaeus duorarum	30+mm	S	95	96 hr	LC50	2.4	PPM	1.8-3.2
DBNPA	10222-01-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.08 g	S	95	96 hr	LC50	1.71	PPM	1.0-2.0
DBNPA	10222-01-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.27 g	S	95	96 hr	LC50	3.4	PPM	3.0-4.9
DBNPA	10222-01-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95	48 hr	EC50	0.74	PPM	0.5-1.0
DBNPA	10222-01-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.40 g	F	97.6	96 Hr	LC50	3.3	PPM	2.6-4.3
DBNPA	10222-01-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.5	96 hr	LC50	0.72	PPM	0.52-1.3
DBNPA	10222-01-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	0.86	PPM	0.56-1.0
DBNPA	10222-01-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	100	96 hr	LC50	1	PPM	0.6-1.5
DBNPA	10222-01-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	100	96 hr	LC50	1.3	PPM	1.0-1.6
DBNPA	10222-01-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.27 g	S	100	96 hr	LC50	2.3	PPM	1.8-3.2
DBNPA	10222-01-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.69g	S	100	96 hr	LC50	2.3	PPM	1.8-3.2
DCDMH (1,3-Dichloro-5,5-dimethylhydantoin)	118-52-5	Fishes	Bluegill sunfish	Lepomis macrochirus	NR	S	97	96 hr	LC50	2.33	PPM	1.78-2.98
DCDMH (Glychlor Formulation)	118-52-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	0.5	PPM	0.43-0.57
DCDMH (Glychlor Formulation)	118-52-5	Crustacea	Water flea	Daphnia magna	NR	S	97	48 hr	EC50	0.47	PPM	0.43-0.57
DCDMH (Glychlor Formulation)	118-52-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	97	96 hr	LC50	0.91	PPM	0.82-1.0
DDAC	7173-51-5	Fishes	Fathead minnow	Pimephales promelas	0.63 g	SR	80.54	96 Hr	LC50	0.19	PPM	0.16-0.27

DDAC with 10 mg/L Humic acid	7173-51-5	Fishes	Fathead minnow	Pimephales promelas	0.63 g	SR	80.54	96 Hr	LC50	0.77	PPM	0.65-1.0
DDAC with 20 mg/L Humic acid	7173-51-5	Fishes	Fathead minnow	Pimephales promelas	0.63 g	SR	80.54	96 Hr	LC50	1.2	PPM	0.94-1.6
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	4.7	PPB	2.8-5.6
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Water flea	Daphnia pulex	1st-I	S	99	48 hr	EC50	0.36	PPB	0.28-0.47
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99	48 hr	EC50	2.5	PPB	1.9-3.3
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	99	48 hr	LC50	15	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	99	96 hr	LC50	4	PPB	1.2-6.5
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Scud	Gammarus fasciatus	Adult	F	99	96 hr	LC50	0.8	PPB	0.4-1.2
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Scud	Gammarus fasciatus	Adult	S	99	96 hr	LC50	1.8	PPB	1.-3.1
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Scud	Gammarus lacustris	Adult	S	99	96 hr	LC50	1	PPB	0.68-1.5
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Crayfish	Orconectes nais	Juv	S	99	96 hr	LC50	0.18	PPB	0.12-0.3
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Crayfish	Orconectes nais	Adult	S	99	96 hr	LC50	100	PPB	80-120
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	F	99	96 hr	LC50	3.5	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	99	96 hr	LC50	2.3	PPB	1.3-4.9
DDT (Cancelled in U.S.)	50-29-3	Fishes	Coho salmon	Oncorhynchus kisutch	1 g	S	99	96 hr	LC50	4	PPB	3-6
DDT (Cancelled in U.S.)	50-29-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99	96 hr	LC50	4.1	PPB	3.6-4.6
DDT (Cancelled in U.S.)	50-29-3	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	99	96 hr	LC50	5.5	PPB	4.7-6.4
DDT (Cancelled in U.S.)	50-29-3	Fishes	Atlantic salmon	Salmo salar	0.45 g	S	99	96 hr	LC50	1.8	PPB	1.3-2.6
DDT (Cancelled in U.S.)	50-29-3	Fishes	Brown trout	Salmo trutta	1.7 g	S	99	96 hr	LC50	1.8	PPB	1.3-2.5
DDT (Cancelled in U.S.)	50-29-3	Fishes	Northern pike	Esox lucius	0.7 g	S	99	96 hr	LC50	2.7	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Goldfish	Carassius auratus	0.9 g	S	99	96 hr	LC50	14.7	PPB	10-20
DDT (Cancelled in U.S.)	50-29-3	Fishes	Common carp	Cyprinus carpio	0.6 g	S	99	96 hr	LC50	9.7	PPB	7.4-12.9
DDT (Cancelled in U.S.)	50-29-3	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	99	96 hr	LC50	12.4	PPB	10-15.4
DDT (Cancelled in U.S.)	50-29-3	Fishes	Fathead minnow	Pimephales promelas	0.9 g	F	99	96 hr	LC50	9.9	PPB	6.5-15
DDT (Cancelled in U.S.)	50-29-3	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	99	96 hr	LC50	4.8	PPB	3.4-6.8
DDT (Cancelled in U.S.)	50-29-3	Fishes	Channel catfish	Ictalurus punctatus	0.7 g	S	99	96 hr	LC50	6.9	PPB	5.7-8.5
DDT (Cancelled in U.S.)	50-29-3	Fishes	Green sunfish	Lepomis cyanellus	0.8 g	S	99	96 hr	LC50	6.5	PPB	4.1-10.4
DDT (Cancelled in U.S.)	50-29-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	99	96 hr	LC50	1.6	PPB	1.3-2.0
DDT (Cancelled in U.S.)	50-29-3	Fishes	Redear sunfish	Lepomis microlophus	3.2 g	S	99	96 hr	LC50	15	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Largemouth bass	Micropterus	0.8 g	S	99	96 hr	LC50	1.5	PPB	0.9-2.4

				salmoides								
DDT (Cancelled in U.S.)	50-29-3	Fishes	River shiner	Notropis blennius	0.3 g	S	99	96 hr	LC50	5.8	PPB	3.6-9.1
DDT (Cancelled in U.S.)	50-29-3	Fishes	Black crappie	Pomoxis nigromaculatus	1.0 g	S	99	96 hr	LC50	5.6	PPB	4.6-6.7
DDT (Cancelled in U.S.)	50-29-3	Fishes	Yellow perch	Perca flavescens	1.4 g	S	99	96 hr	LC50	9	PPB	7.0-11.0
DDT (Cancelled in U.S.)	50-29-3	Fishes	Walleye	Stizostedion vitreum v.	1.4 g	S	99	96 hr	LC50	2.9	PPB	2.4-3.5
DDT (Cancelled in U.S.)	50-29-3	Fishes	Tilapia	Tilapia sp	0.8 g	S	99	96 hr	LC50	14	PPB	12-16
DDT (Cancelled in U.S.)	50-29-3	Fishes	Tilapia	Tilapia sp	0.8 g	F	99	96 hr	LC50	5.1	PPB	3.2-8.1
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Mysid	Americamysis bahia	Adult	S	99.3	96 hr	LC50	0.45	PPB	0.39-0.52
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	99.3	48 hr	LC50	0.6	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Crustacea	White shrimp	Penaeus stylirostris	Juv	F	99.3	24 hr	LC50	0.7	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	99.3	24 hr	LC50	0.8	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99.3	48 hr	LC50	2	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Longnose killifish	Fundulus similis	Juv	F	99.3	48 hr	LC50	2.8	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Pinfish	Lagodon rhomboides	Juv	F	99.3	48 hr	LC50	0.3	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Fishes	Striped mullet	Mugil cephalus	Juv	F	99.3	48 hr	LC50	0.4	PPB	N.R.
DDT (Cancelled in U.S.)	50-29-3	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	99.3	96 hr	EC50	9	PPB	N.R.
Decanol	112-30-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	5.05	PPM	4.12-6.2
Decanol (Alfol 810 alcohol)	112-30-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.3	48 hr	EC50	6.51	PPM	4.8-8.9
Decyl isonomyl dimethyl ammonium chloride	138698-36-9	Crustacea	Water flea	Daphnia magna	<24 hr	SR	81.5	48 hr	EC50	0.12	PPM	0.11-0.15
Decyl isonomyl dimethyl ammonium chloride	138698-36-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	SR	81.5	96 hr	LC50	1.8	PPM	1.6-2.0
Decyl isonomyl dimethyl ammonium chloride	138698-36-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	SR	81.5	96 hr	LC50	0.85	PPM	0.50-1.4
Deltamethrin	52918-63-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	95	48 hr	EC50	0.57	PPB	0.44-0.79
Deltamethrin	52918-63-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	99.2	96 hr	LC50	0.58	PPB	0.35-.90
Deltamethrin	52918-63-5	Mollusca	Eastern oyster	Crassostrea virginica	<1 yr	F	99.2	96 hr	EC50	8.2	PPB	4.7-25.0
Deltamethrin	52918-63-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.3	48 hr	EC50	3.5	PPB	2.6-4.5
Deltamethrin	52918-63-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.25 g	S	99.3	96 hr	LC50	1.4	PPB	1.0-1.8
Deltamethrin	52918-	Fishes	Rainbow trout	Oncorhynchus	0.49 g	S	99.3	96 hr	LC50	0.91	PPB	0.66-1.3

	63-5			mykiss								
Deltamethrin	52918-63-5	Crustacea	Mysid	Americamysis bahia	<24hr	SR	>95	96 hr	LC50	0.0037	PPB	0.0016-0.0049
Deltamethrin	52918-63-5	Crustacea	Mysid	Americamysis bahia	<24hr	SR	>95	96 hr	LC50	0.0017	PPB	0.00078-0.0044
Demeton	8065-48-3	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	92	48 hr	LC50	0.048	PPM	N.R.
Demeton	8065-48-3	Fishes	Spot	Leiostomus xanthurus	Juv	F	92	48 hr	LC50	0.32	PPM	N.R.
Demeton	8065-48-3	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	92	96 hr	LC50	2.9	PPM	N.R.
Demeton	8065-48-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	92	96 hr	LC50	0.11	PPM	N.R.
Demeton	8065-48-3	Fishes	Goldfish	Carassius auratus	N.R.	S	92	96 hr	LC50	1.2	PPM	N.R.
Demeton	8065-48-3	Fishes	Guppy	Lebistes reticulatus	N.R.	S	92	96 hr	LC50	0.66	PPM	N.R.
Demeton	8065-48-3	Crustacea	Water flea	Daphnia pulex	1st-I	S	94	48 hr	EC50	0.014	PPM	0.010-0.019
Demeton	8065-48-3	Crustacea	Scud	Gammarus fasciatus	Juv	S	94	96 hr	LC50	0.048	PPM	0.027-0.084
Demeton	8065-48-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	94	96 hr	LC50	0.52	PPM	0.44-0.61
Demeton	8065-48-3	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	94	96 hr	LC50	3.7	PPM	3.41-4.02
Demeton	8065-48-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	94	96 hr	LC50	0.042	PPM	0.034-.052
Demeton	8065-48-3	Fishes	Largemouth bass	Micropterus salmoides	0.7 g	S	94	96 hr	LC50	0.148	PPM	.136-0.162
Demeton	8065-48-3	Fishes	Walleye	Stizostedion vitreum v.	0.3 g	S	94	96 hr	LC50	0.23	PPM	0.20-0.26
Demeton	8065-48-3	Fishes	Carp	Cyprinus sp.	N.R.	S	100	96 hr	LC50	14.3	PPM	13.4-15.6
Demeton	8065-48-3	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	27	PPB	20-36
Desmedipham	13684-56-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	1.88	PPM	1.4-2.4
Desmedipham	13684-56-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	98.4	96 hr	LC50	6	PPM	3.2-10
Desmedipham	13684-56-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	98.4	96 hr	LC50	1.7	PPM	1.0-3.2
Dialifor	10311-84-9	Crustacea	Mud crab	Neopanope texana	8 mm	S	88+	96 hr	LC50	33.5	PPB	23.9-45.9
Dialifor	10311-84-9	Crustacea	Grass shrimp	Palaemonetes pugio	18 mm	S	88+	96 hr	LC50	3.56	PPB	3.02-4.19
Diazinon	333-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.83 g	S	87	96 hr	LC50	91	PPB	67-123
Diazinon	333-41-5	Crustacea	Mysid	Americamysis bahia	24 hr	F	87.7	96 hr	LC50	4.2	PPB	3.7-4.8
Diazinon	333-41-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	87.7	96 hr	EC50	880	PPB	630-1100

Diazinon	333-41-5	Crustacea	Water flea	Daphnia pulex	1st-I	S	89	48 hr	EC50	0.8	PPB	0.6-1.1
Diazinon	333-41-5	Crustacea	Water flea	Simocephalus sp.	1st-I	S	89	48 hr	EC50	1.4	PPB	1.2-1.6
Diazinon	333-41-5	Crustacea	Scud	Gammarus fasciatus	N.R.	S	89	96 hr	LC50	0.2	PPB	0.15 - 0.28
Diazinon	333-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	89	96 hr	LC50	90	PPB	N.R.
Diazinon	333-41-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.38 g	F	89	96 hr	LC50	1470	PPB	1070-3300
Diazinon	333-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	91	96 hr	LC50	136	PPB	100-186
Diazinon	333-41-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	91	96 hr	LC50	400	PPB	230-700
Diazinon	333-41-5	Crustacea	Rotifer	Brachionus calyciflorus	Cyst	S	92	24 hr	LC50	29.22	PPM	28.47-29.96
Diazinon	333-41-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	2.0 g	S	92	96 hr	LC50	1700	PPB	1390-2090
Diazinon	333-41-5	Fishes	Lake trout	Salvelinus namaycush	3.2 g	S	92	96 hr	LC50	602	PPB	400-906
Diazinon	333-41-5	Fishes	Fathead minnow	Pimephales promelas	Juv	F	92	96 hr	LC50	7800	PPB	N.R.
Diazinon	333-41-5	Fishes	Brook trout	Salvelinus fontinalis	Juv	F	92	96 hr	LC50	770	PPB	N.R.
Diazinon	333-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	92	96 hr	LC50	168	PPB	120-220
Diazinon	333-41-5	Fishes	Flagfish	Jordanella floridae	N.R.	F	92.4	96 hr	LC50	1600	PPB	N.R.
Diazinon	333-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	92.5	96 hr	LC50	460	PPB	N.R.
Diazinon	333-41-5	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	95.1	48 hr	LC50	28	PPB	N.R.
Diazinon	333-41-5	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	95.1	48 hr	LC50	28	PPB	N.R.
Diazinon	333-41-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	95.1	96 hr	LC50	150	PPB	N.R.
Diazinon	333-41-5	Fishes	Striped mullet	Mugil cephalus	Juv	F	95.5	48 hr	LC50	150	PPB	N.R.
Diazinon	333-41-5	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	0.96	PPB	0.83-1.1
Diazinon	333-41-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.38 g	F	Tech	96 hr	LC50	1470	PPB	1070-3310
Diazinon + DDT (SAN 326 10 G) mixture	333-41-5	Crustacea	Water flea	Daphnia magna	20 hr	S	100	48 hr	EC50	0.68	PPB	0.56-.83
Diazinon + DDT (SAN 326 10 G) mixture	333-41-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	134	PPB	100-134.
Dibromodicyanobutane	35691-65-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	2.2	PPM	1.6-3.2
Dibromodicyanobutane	35691-65-7	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	S	98	96 hr	LC50	45	PPM	28-60
Dibromodicyanobutane	35691-65-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	98	96 hr	LC50	17	PPM	15-27

Dibromodicyanobutane	35691-65-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	98	96 hr	LC50	4.1	PPM	3.0-5.5
Dibromodicyanobutane	35691-65-7	Crustacea	Mysid	Americamysis bahia	72 hr	F	99.8	96 hr	LC50	2.7	PPM	2.5-3.2
Dibromodicyanobutane	35691-65-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.65 g	F	99.8	96 hr	LC50	8.3	PPM	6.7-9.8
Dibromodicyanobutane	35691-65-7	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99.8	96 hr	EC50	2.67	PPM	2.2-3.2
Dibromodicyanobutane	35691-65-7	Crustacea	Grass shrimp	Palaemonetes pugio	Adults	S	100	96 hr	LC50	45	PPM	28-60
Dibromodicyanobutane MPXP-38	35691-65-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	98	96 hr	LC50	1.66	PPM	1.4-2.4
Dibutyltin dichloride	56-35-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	89.6	48 hr	EC50	1.4	PPM	1.2-1.8
Dicamba	1918-00-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.36 g	S	86.8	96 hr	LC50	135.4	PPM	N.R.
Dicamba	1918-00-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.44 g	S	86.8	96 hr	LC50	135.3	PPM	N.R.
Dicamba	1918-00-9	Crustacea	Water flea	Daphnia magna	1st-I	S	88	48 hr	EC50	110.7	PPM	96.8-126.6
Dicamba	1918-00-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	88	96 hr	LC50	28	PPM	N.R.
Dichlobenil	1194-65-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.8	96 hr	LC50	2.35	PPM	1.74-3.13
Dichlobenil	1194-65-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.82 g	F	98.8	96 hr	LC50	12.7	PPM	10.4-16.6
Dichlobenil	1194-65-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.8	96 hr	EC50	1.63	PPM	1.26-1.97
Dichlobenil	1194-65-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1 g	S	98.9	96 hr	LC50	4.93	PPM	3.83-6.34
Dichlobenil	1194-65-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	98.9	96 hr	LC50	6.72	PPM	5.02-8.98
Dichlobenil	1194-65-6	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	98.9	96 hr	LC50	5.7	PPM	3.61-8.9
Dichlobenil	1194-65-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	98.9	48 hr	LC50	13	PPM	N.R.
Dichlobenil	1194-65-6	Fishes	Goldfish	Carassius auratus	0.9 g	S	98.9	96 hr	LC50	7.68	PPM	4.77-12.4
Dichlobenil	1194-65-6	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	98.9	96 hr	LC50	6	PPM	3.98-9.07
Dichlobenil	1194-65-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.9	96 hr	EC50	2.5	PPM	N.R.
Dichlobenil	1194-65-6	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	6.2	PPM	N.R.
Dichlobenil	1194-65-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	10	PPM	NA
Dichlobenil	1194-65-6	Crustacea	Scud	Gammarus fasciatus	Instar	S	Tech	96 hr	LC50	10	PPM	2-18
Dichlormid	37764-25-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.66 g	S	97	96 hr	LC50	141	PPM	103-194
Dichlormid	37764-25-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.2	48 hr	EC50	141	PPM	113-176

Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99	48 hr	EC50	4.5	PPB	3.1-6.6
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Water flea	Daphnia pulex	1st-I	S	99	48 hr	EC50	3,2	PPB	2.3-4.4
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Seed shrimp	Cypridopsis vidua	Mat	S	99	48 hr	EC50	45	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	99	96 hr	LC50	16	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	0.6	PPB	0.1-1.2
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	S	99	96 hr	LC50	0.7	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	99	96 hr	LC50	70	PPB	57-87
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Fathead minnow	Pimephales promelas	1.0 g	S	99	96 hr	LC50	4400	PPB	3470-5580
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	99	96 hr	LC50	1500	PPB	1180-1910
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	99	96 hr	LC50	42	PPB	36-49
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Largemouth bass	Micropterus salmoides	0.7 g	S	99	96 hr	LC50	42	PPB	34-51
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Walleye	Stizostedion vitreum v.	1.0 g	S	99	96 hr	LC50	14	PPB	11-19
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	2.4	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Longnose killifish	Fundulus similis	Juv	F	100	48 hr	LC50	42	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Fishes	Spot	Leiostomus xanthurus	Juv	F	100	48 hr	LC50	20	PPB	N.R.
Dichloro diphenyl dichlorethane (TDE)	72-54-8	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	25	PPB	N.R.
Dichlorprop (2,4-DP)	120-36-5	Fishes	Rainbow trout	Oncorhynchus	1.84 g	S	100	96 hr	LC50	0.5	PPM	N.R.

				mykiss								
Dichlorvos	62-73-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.17 g	S	90	96 hr	LC50	213	PPB	141-321
Dichlorvos	62-73-7	Fishes	Lake trout	Salvelinus namaycush	4.2 g	S	90	96 hr	LC50	183	PPB	92.7-363
Dichlorvos	62-73-7	Fishes	Atlantic silverside	Menidia menidia	2.1 g	S	90	24 hr	LC50	9.6	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Mummichog	Fundulus heteroclitus	4.0 g	S	90	96 hr	LC50	3.2	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Striped killifish	Fundulus majalis	0.9 g	S	90	96 hr	LC50	2.3	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Northern pipefish	Syngnathus fuscus	1.1 g	S	90	96 hr	LC50	2.2	PPM	N.R.
Dichlorvos	62-73-7	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98	48 hr	LC50	24	PPB	N.R.
Dichlorvos	62-73-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	0.019	PPM	0.013-0.032
Dichlorvos	62-73-7	Fishes	Spot	Leiostomus xanthurus	Juv	F	98	48 hr	LC50	0.32	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Striped mullet	Mugil cephalus	Juv	F	98	48hr	LC50	0.32	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	29 mm	F	98	96 hr	LC50	7.35	PPM	5.39-8.70
Dichlorvos	62-73-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	89.1	PPM	77.8-106.00
Dichlorvos	62-73-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.7 g	S	98.1	64 hr	LC50	1.35	PPM	N.A.
Dichlorvos	62-73-7	Fishes	Rainbow trout	Oncorhynchus mykiss	2.3 g	S	98.1	96 hr	LC50	0.1	PPM	0.78-0.127
Dichlorvos	62-73-7	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	100	48 hr	EC50	0.26	PPB	0.16-.42
Dichlorvos	62-73-7	Crustacea	Water flea	Daphnia pulex	1st-I	S	100	48 hr	EC50	0.066	PPB	0.05-.09
Dichlorvos	62-73-7	Crustacea	Scud	Gammarus lacustris	Adult	S	100	96 hr	LC50	0.5	PPB	0.37-0.7
Dichlorvos	62-73-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	2.5 g	S	100	96 hr	LC50	0.17	PPM	0.14-.206
Dichlorvos	62-73-7	Fishes	Lake trout	Salvelinus namaycush	0.3 g	S	100	96 hr	LC50	0.187	PPM	0.11-.32
Dichlorvos	62-73-7	Fishes	Fathead minnow	Pimephales promelas	0.7 g	S	100	96 hr	LC50	11.6	PPM	7.8-17.2
Dichlorvos	62-73-7	Fishes	Mosquitofish	Gambusia affinis	0.2 g	S	100	96 hr	LC50	5.27	PPM	2.6-10.4
Dichlorvos	62-73-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	100	96 hr	LC50	0.869	PPM	0.7-1.0
Dichlorvos	62-73-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	0.1	PPM	N.R.
Dichlorvos	62-73-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	24 hr	LC50	0.5	PPM	N.R.
Dichlorvos	62-73-7	Crustacea	Scud	Gammarus fasciatus	N.R.	S	Tech	96 hr	LC50	0.4	PPB	0.32-0.49
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.16 g	S	95	96 hr	LC50	0.23	PPM	0.20-0.35
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	95	96 hr	LC50	0.15	PPM	0.13-0.17

Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	95	96 hr	LC50	0.25	PPM	0.19-0.33
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	95	96 hr	LC50	0.54	PPM	0.37-.77
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	0.29	PPM	N.R.
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95	96 hr	LC50	0.17	PPM	N.R.
Diclofop-methyl	51338-27-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	95	96 hr	EC50	390	PPB	N.R.
Diclofop-methyl	51338-27-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.1	48 hr	EC50	0.23	PPM	.19-.27
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	21.9	PPM	N.R.
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	1.8	PPM	N.R.
Diclofop-methyl	51338-27-3	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99	48 hr	EC50	1.5	PPM	0.6-3.9
Diclofop-methyl	51338-27-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.54	PPM	0.4-0.7
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	Tech	96 hr	LC50	0.54	PPM	0.44-0.65
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	Tech	96 hr	LC50	0.31	PPM	0.24-0.39
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.24	PPM	0.2-0.28
Diclofop-methyl	51338-27-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	0.62	PPM	0.53-.75
Diclofop-methyl	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	S	Tech	24 hr	LC50	0.32	PPM	0.24-0.41
Diclofop-methyl (HOE-23408)	51338-27-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	0.29	PPM	0.28-0.30
Dicloran (DCNA)	99-30-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.36 g	S	95	96 hr	LC50	1.08	PPM	0.8 - 1.4
Dicloran (DCNA)	99-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.04 g	S	95	96 hr	LC50	0.56	PPM	0.3 - 1.0
Dicloran (DCNA)	99-30-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	2.07	PPM	1.8-2.4
Dicloran (DCNA)	99-30-9	Crustacea	Water flea	Daphnia magna	LifCyc	SR	97.17	21 D	EC50	0.57	PPM	0.32-1.0
Dicloran (DCNA)	99-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	97.17	28 D	LC50	0.12	PPM	.05-.50
Dicloran (DCNA)	99-30-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	37	PPM	N.R.
Dicloran (DCNA)	99-30-9	Fishes	Goldfish	Carassius auratus	N.R.	S	Tech	96 hr	LC50	32	PPM	N.A.
Dicloran (DCNA)	99-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	1.6	PPM	N.R.
Dicloran (DCNA)	99-30-9	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	NR	Tech	48 hr	EC50	2.3	PPM	N.R.
Diclosulam	145701-21-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.5	48 hr	EC50	72	PPM	64.3-82.1
Dicofol	115-32-2	Fishes	Cutthroat trout	Oncorhynchus	1.2g	S	74.4	96 hr	LC50	53.1	PPB	41.3-68.2

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Dicofol	115-32-2	Fishes	Lake trout	Salvelinus namaycush	1.2g	S	74.4	96 hr	LC50	86.9	PPB	53.0-142.0
Dicofol	115-32-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.08g	F	93.3	96 hr	LC50	367	PPB	300-471
Dicofol	115-32-2	Fishes	Fathead minnow	Pimephales promelas	30 D	F	93.3	96 hr	LC50	509	PPB	483-546
Dicofol	115-32-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.5 g	F	93.3	96 hr	LC50	124.3	PPB	95-180
Dicofol	115-32-2	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	S	93.3	96 hr	EC50	15.1	PPB	11.1-20.7
Dicofol	115-32-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.6	96 hr	LC50	60	PPB	32-100
Dicofol	115-32-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	52	PPB	N.R.
Dicofol	115-32-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0g	S	100	96 hr	LC50	511	PPB	448-585
Dicofol	115-32-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	100	48 hr	LC50	420	PPB	N.R.
Dicofol	115-32-2	Fishes	Channel catfish	Ictalurus punctatus	0.8g	S	100	96 hr	LC50	360	PPB	290-447
Dicofol	115-32-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1 g	S	100	96 hr	LC50	520	PPB	421-642
Dicofol	115-32-2	Fishes	Largemouth bass	Micropterus salmoides	0.8g	S	100	96 hr	LC50	395	PPB	N.R.
Dicofol	115-32-2	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	21	PPB	N.R.
Dicrotophos	141-66-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	80	48 hr	EC50	0.27	PPM	0.21-.32
Dicrotophos	141-66-2	Crustacea	Scud	Gammarus fasciatus	Mat.	S	80	96 hr	LC50	2.6	PPM	2.1-3.2
Dicrotophos	141-66-2	Crustacea	Scud	Gammarus lacustris	2 MOS	S	80	96 hr	LC50	0.54	PPM	0.4-0.73
Dicrotophos	141-66-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	80	48 hr	LC50	0.15	PPM	N.R.
Dicrotophos	141-66-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	80	96 hr	LC50	24.2	PPM	14.3-41.1
Dicrotophos	141-66-2	Crustacea	Brown shrimp	Penaeus aztecus	N.R.	S	82	48 hr	EC50	0.25	PPM	N.R.
Dicrotophos	141-66-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.4 g	S	82	48 hr	LC50	44	PPM	N.R.
Dicrotophos	141-66-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	87.65	48 hr	EC50	12.7	PPB	10.9-14.9
Dicrotophos	141-66-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	87.65	96 hr	LC50	0.077	PPM	0-Inf.
Dicrotophos	141-66-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.45 g	F	87.65	96 hr	LC50	83.8	PPM	62.7-102
Dicrotophos	141-66-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	90	96 hr	LC50	6.3	PPM	N.R.
Dicrotophos	141-66-2	Fishes	Channel catfish	Ictalurus punctatus	1.4 g	S	90	96 hr	LC50	7.7	PPM	4.0-13.8
Dicrotophos	141-66-2	Crustacea	Crayfish	Orconectes nais	30+mg	S	Tech	96 hr	LC50	5.5	PPM	5.1-6.3
Didecyl dimethyl ammonium carbonate&bicarbona	148788-55-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	95.9	96 hr	EC50	82	PPB	76-89

Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	SR	80.5	96 hr	LC50	0.96	PPM	0.77-1.17
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	80.5	96 hr	EC50	0.11	PPM	0.1-0.12
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	84.6	96 hr	EC50	0.094	PPM	0.017-0.21
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Mollusca	Eastern oyster	Crassostrea virginica	Spat	S	84.6	96 Hr	EC50	0.094	PPM	0.017-0.21
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Crustacea	Water flea	Daphnia magna	<20 hr	S	100	48 hr	EC50	18	PPB	14-22
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	100	96 hr	LC50	600	PPB	500-700
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	100	96 hr	LC50	2800	PPB	2500-3200
Didecylpolyoxethylammonium borate	214710-34-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.5	48 hr	EC50	0.39	PPM	0.34-0.46
Didecylpolyoxethylammonium borate	214710-34-6	Fishes	Bluegill sunfish	Lepomis macrochirus	47 mm	S	100	96 hr	LC50	0.89	PPM	0.54-1.3
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Water flea	Daphnia pulex	1st-I	S	85	48 hr	EC50	250	PPB	220-290
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	85	48 hr	EC50	190	PPB	170-210
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	85	96 hr	EC50	5	PPB	3.2-10
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Scud	Gammarus fasciatus	Mat	S	85	96 hr	EC50	600	PPB	420-850
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Crayfish	Orconectes nais	Mat	S	85	96 hr	LC50	740	PPB	680-1200
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.1 g	S	85	96 hr	LC50	6	PPB	4.55-7.98
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	85	96 hr	LC50	1.2	PPB	0.9-1.7
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	85	96 hr	LC50	1.2	PPB	1.0-1.3
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Goldfish	Carassius auratus	1.0 g	S	85	96 hr	LC50	1.6	PPB	1.2-2.0
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Fathead minnow	Pimephales promelas	0.6 g	S	85	96 hr	LC50	3.8	PPB	3.1-4.6
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Black bullhead	Ictalurus melas	1.5 g	S	85	96 hr	LC50	10	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	85	96 hr	LC50	4.5	PPB	2.5-7.9
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Channel catfish	Ictalurus punctatus	yr	S	85	96 hr	LC50	7.8	PPB	6.0-10

Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	85	96 hr	LC50	3.1	PPB	2.1-4.6
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	85	96 hr	LC50	4.7	PPB	3.2-7.0
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	85	96 hr	LC50	7.1	PPB	6.3-8.0
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	85	96 hr	LC50	3.9	PPB	1.9-8.2
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Largemouth bass	Micropterus salmoides	2.5 g	S	85	96 hr	LC50	3.5	PPB	2.7-4.5
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Tilapia	Tilapia sp	0.8 g	S	85	96 hr	LC50	9.2	PPB	8.2-10
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Green sunfish	Lepomis cyanellus	N.R.	S	85	96 hr	LC50	6	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Mysid	Americamysis bahia	Adult	S	98.5	96 hr	LC50	3.7	PPB	2.6-7.3
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98.5	96 hr	LC50	0.3	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	98.5	96 hr	LC50	0.7	PPB	0.39-1.2
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	98.5	96 hr	LC50	8.6	PPB	6.0-12
Dieldrin (Cancelled in U.S.)	60-57-1	Crustacea	Blue crab	Callinectes sapidus	Juv	F	98.5	48 hr	LC50	240	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	98.5	48 hr	LC50	24	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	98.5	96 hr	LC50	10	PPB	7.3-13
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Spot	Leiostomus xanthurus	Juv	F	98.5	24 hr	LC50	3.2	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Fishes	Striped mullet	Mugil cephalus	Juv	F	98.5	48 hr	LC50	3.2	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	98.5	96 hr	EC50	15	PPB	N.R.
Dieldrin (Cancelled in U.S.)	60-57-1	Mollusca	Eastern oyster	Crassostrea virginica	Adult	F	98.5	96 hr	EC50	31	PPB	0.6-62
Dienochlor	2227-17-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	97	96 hr	LC50	0.05	PPM	0.04-0.06
Dienochlor	2227-17-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.9	48 hr	EC50	1.2	PPM	1.0-1.5
Dienochlor	2227-17-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	99.9	96 hr	LC50	0.6	PPM	0.45-0.81
Diethatyl ethyl (cancelled in the U.S.)	38727-55-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.24 g	F	95.2	96 hr	LC50	2.85	PPM	2.0-4.9
Diethatyl ethyl (cancelled in the U.S.)	38727-55-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	F	95.2	96 hr	LC50	3.5	PPM	3.1-3.9
Diethyl toluamide (DEET)	134-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83 g	S	95	96 hr	LC50	71.25	PPM	N.R.
Diethyl toluamide (DEET)	134-62-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	75	PPM	56-100
Diethyl toluamide meta isomer (DEET)	134-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83 g	S	95	96 hr	LC50	75	PPM	N.R.

Difenoconazole	119446-68-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95	96 hr	LC50	0.15	PPM	0.11-0.22
Difenoconazole	119446-68-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	F	96	96 hr	LC50	1.1	PPM	0.9-1.55
Difenoconazole	119446-68-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	0.424	PPM	0.33-0.53
Difenoconazole	119446-68-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.1	48 hr	EC50	0.77	PPM	0.59-0.95
Difenoconazole	119446-68-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.003g	S	96.1	96 hr	LC50	0.89	PPM	0.698-inf
Difenoconazole	119446-68-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.61 g	S	96.1	96 hr	LC50	1.2	PPM	0.9-1.7
Difenoconazole	119446-68-3	Fishes	Fathead minnow	Pimephales promelas	0.67 g	SR	97.3	96 hr	LC50	1.8	PPM	1.3-2.6
Difenoconazole CGA-169374	119446-68-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.78 g	S	96	96 hr	LC50	0.81	PPM	0.63-1.2
Difenoconazole CGA-169374	119446-68-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.92 g	F	96.1	96 hr	LC50	1.06	PPM	0.98-1.14
Difenzoquat methyl sulfate	43222-48-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.974g	S	95	96 hr	LC50	46.5	PPM	36.95-58.52
Difenzoquat methyl sulfate	43222-48-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.23 g	S	95	96 hr	LC50	58	PPM	55-61
Difenzoquat methyl sulfate	43222-48-6	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	2.53	PPM	2.26-2.84
Difenzoquat methyl sulfate	43222-48-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	100	96 hr	LC50	668	PPM	525-860
Difenzoquat methyl sulfate	43222-48-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	100	96 hr	LC50	711	PPM	490-1000
Difethialone	104653-34-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.9	48 hr	EC50	4.4	PPB	3.0-5.0
Difethialone	104653-34-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.52 g	S	98.9	96 hr	LC50	75	PPB	48-130
Difethialone	104653-34-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.72 g	S	99.5	96 hr	LC50	51	PPB	36-100
Diflubenzuron	35367-38-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	79.4	48 hr	EC50	3.2	PPB	1.6-6.6
Diflubenzuron	35367-38-5	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	95	96 hr	LC50	45	PPB	34-60
Diflubenzuron	35367-38-5	Crustacea	Mysid	Americamysis bahia	Juv	F	95	96 hr	LC50	2.1	PPB	1.6-2.7
Diflubenzuron	35367-38-5	Crustacea	Marine amphipod	Leptocheirus plumulosus	2-4 mm	S	96.7	10 D	LC50	2.04	PPB	1.85-2.25
Diflubenzuron	35367-38-5	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	98	96 hr	LC50	0.64	PPB	0.13-3.10
Diflubenzuron	35367-38-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	99.4	96 hr	LC50	135	PPM	119-152
Diflubenzuron	35367-38-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	99.4	96 hr	LC50	140	PPM	87-224
Diflubenzuron	35367-38-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	3.7	PPB	N.R.
Diflubenzuron metabolite	35367-	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	Tech	96 hr	LC50	100	PPM	N.A.

	38-5											
Diflufenzopyr-sodium	109293-98-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.7	48 hr	EC50	15	PPM	10.5-21.6
Diflufenzopyr-sodium	109293-98-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	94.7	96 hr	LC50	106	PPM	80-140
Diflufenzopyr-sodium	109293-98-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	98	96 hr	EC50	61	PPM	51-73
Diflufenzopyr-sodium	109293-98-3	Crustacea	Mysid	Americamysis bahia	< 24hr	S	98.1	96 hr	LC50	18.9	PPM	16.5-22.0
Dihydropyrone (Indalone)	532-34-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.82 g	S	95	96 Hr	LC50	39.5	PPM	37.2-42.2
Diiodomethyl p-tolyl sulfone	20018-09-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	8	PPM	5.6-10
Diiodomethyl p-tolyl sulfone	20018-09-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.66 g	S	95	96 hr	LC50	0.13	PPM	0.1-0.18
Diiodomethyl p-tolyl sulfone	20018-09-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.35 g	S	95	96 hr	LC50	0.75	PPM	0.56-1.0
Diiodomethyl p-tolyl sulfone (Amical 48)	20018-09-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	0.071	PPM	0.056-0.089
Diiodomethyl-p-tolysulfone (Amical 48)	20018-09-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.7	48 hr	EC50	279	PPB	217-384
Diiodomethyl-p-tolysulfone (Amical 48)	20018-09-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.07 g	F	97.7	96 hr	EC50	66.7	PPB	58.6-76.1
Dimethenamid	87674-68-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.4	48 hr	EC50	16	PPM	12-25
Dimethenamid	87674-68-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.34 g	S	91.4	96 hr	LC50	6.4	PPM	N.R.
Dimethenamid	87674-68-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.54 g	S	94.1	96 hr	LC50	2.6	PPM	1.7-5.8
Dimethenamid	87674-68-8	Crustacea	Mysid	Americamysis bahia	Juv	S	97	96 hr	LC50	4.8	PPM	N.R.
Dimethenamid	87674-68-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.77 g	S	97	96 hr	LC50	7.2	PPM	4.3-11.6
Dimethenamid	87674-68-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97	96 hr	EC50	5	PPM	4.6-5.6
Dimethenamid	87674-68-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.2 g	F	Tech	21 D	LC50	3.97	PPM	0-Inf
Dimethepin	55290-64-7	Crustacea	Mysid	Americamysis bahia	5 D	F	91.2	96 hr	LC50	13.9	PPM	11.8-16.4
Dimethepin	55290-64-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.35 g	F	91.2	96 hr	LC50	17.8	PPM	11-29.5
Dimethepin	55290-64-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.2	48 hr	EC50	21.3	PPM	18.6-30.9
Dimethepin	55290-64-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	F	98.2	96 hr	LC50	20.9	PPM	18-27.7
Dimethepin	55290-64-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	F	98.2	96 hr	LC50	56	PPM	46-95

Dimethepin	55290-64-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.2	96 hr	EC50	12.4	PPM	9.7-16.0
Dimethepin	55290-64-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.5	96 hr	EC50	18.6	PPM	16.6-21.6
Dimethepin (Harvade technical)	55290-64-7	Crustacea	Water flea	Daphnia magna	< 24hr	S	99.2	48 hr	EC50	20	PPM	17-24
Dimethoate	60-51-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	95	96 hr	LC50	7.5	PPM	5.1-10.9
Dimethoate	60-51-5	Crustacea	Scud	Gammarus lacustris	Adult	S	97.4	96 hr	LC50	0.2	PPM	0.15-.27
Dimethoate	60-51-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.33 g	S	97.4	96 hr	LC50	6	PPM	4.2-7.7
Dimethoate	60-51-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5g	S	97.4	96 hr	LC50	6.2	PPM	4.1-9.3
Dimethoate	60-51-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.1	96 hr	LC50	15	PPM	13-18
Dimethoate	60-51-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.1	96 hr	EC50	113	PPM	96-162
Dimethomorph	110488-70-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	94.8	96 hr	LC50	6.2	PPM	N.R.
Dimethomorph	110488-70-5	Fishes	Common carp	Cyprinus carpio	1.5 g	S	94.8	96 hr	LC50	18.7	PPM	17.6-19.8
Dimethomorph	110488-70-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.6	96 hr	LC50	33	PPM	12-184
Dimethomorph	110488-70-5	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98	96 hr	EC50	5.13	PPM	4.19-6.30
Dimethomorph	110488-70-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.12 g	F	100	96 hr	LC50	11.3	PPM	9.7-14.2
Dimethyl disulfide	624-92-0	Crustacea	Mysid	Americamysis bahia	<24 Hr	SR	99.6	96 hr	LC50	4.9	PPM	3.9-6.1
Dimethyl disulfide	624-92-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.10 g	SR	99.6	96 hr	LC50	5.6	PPM	4.0-6.9
Dimethyl disulfide	624-92-0	Crustacea	Water flea	Daphnia magna	<24 Hr	SR	99.9	48 Hr	EC50	1.61	PPM	1.31-1.99
Dimethyl disulfide	624-92-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.68 g	SR	99.9	96 Hr	LC50	0.96	PPM	0.56-1.36
Dimethyl disulfide	624-92-0	Fishes	Zebrafish	Danio rerio	0.23 g	SR	99.9	96 Hr	LC50	7.5	PPM	5.30-10.6
Dimethyl disulfide TC	624-92-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.9	48 H	LC50	1.61	PPM	1.31-1.99
Dimethyl disulfide TC	624-92-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.68 g	SR	99.9	96 hr	LC50	0.96	PPM	0.563-1.36
Dimethyl disulfide TC	624-92-0	Fishes	Zebrafish	Danio rerio	0.23 g	SR	99.9	96 hr	LC50	7.5	PPM	5.30-10.6
Dinitramine	29091-05-2	Crustacea	Water flea	Daphnia magna	24 hr	S	99.5	48 hr	EC50	1.3	PPM	0.98-2.0
Dinocap	39300-45-3	Crustacea	Scud	Gammarus fasciatus	Mat	S	78	96 hr	LC50	75	PPB	57-99
Dinocap	39300-45-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	78	96 hr	LC50	15	PPB	14-16
Dinocap	39300-45-3	Fishes	Goldfish	Carassius auratus	1.0 g	S	78	96 hr	LC50	33	PPB	25-43
Dinocap	39300-45-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	78	96 hr	LC50	20	PPB	19-21

Dinocap	39300-45-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	78	96 hr	LC50	26	PPB	22-29
Dinocap	39300-45-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.3	48 hr	EC50	4.2	PPB	N.R.
Dinocap	39300-45-3	Fishes	Rainbow trout	Oncorhynchus mykiss	4 MOS	F	97	96 hr	LC50	13	PPB	7.0-20.0
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.3 g	S	95.8	96 hr	LC50	67	PPB	56-81
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Lake trout	Salvelinus namaycush	0.3 g	S	95.8	96 hr	LC50	44	PPB	38-51
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	95.8	96 hr	LC50	41	PPB	34-49
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.3 g	S	95.8	96 hr	LC50	42	PPB	32-54
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Cutthroat trout	Oncorhynchus clarkii	2,4 g	F	95.8	96 hr	LC50	152	PPB	131-176
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Lake trout	Salvelinus namaycush	1.3 g	S	95.8	96 hr	LC50	32	PPB	19.8-51.8
Dinoseb (Cancelled in U.S.)	88-85-7	Fishes	Lake trout	Salvelinus namaycush	4.3 g	F	95.8	96 hr	LC50	79	PPB	67-95
Dinoseb acid (Cancelled in U.S.)	88-85-7	Crustacea	Pink shrimp	Penaeus duorarum	Adult	S	95.8	96 hr	LC50	1960	PPB	820-4670
Dinoseb acid (Cancelled in U.S.)	88-85-7	Crustacea	Mud crab	Neopanope texana	Adult	S	95.8	96 hr	LC50	12100	PPB	8390-17500
Dinoseb acid (Cancelled in U.S.)	88-85-7	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95.8	48 hr	EC50	209	PPB	134-325
Dinotefuran	165252-70-0	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	99.2	96 Hr	LC50	0.79	PPM	0.49-1.0
Diphacinone	82-66-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.7	48 hr	EC50	1.8	PPM	1.6-2.9
Diphacinone	82-66-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	Tech	96 hr	LC50	7.61	PPM	5.63-10.3
Diphacinone	82-66-6	Fishes	Channel catfish	Ictalurus punctatus	1.3 g	S	Tech	96 hr	LC50	2.09	PPM	1.55-2.82
Diphacinone	82-66-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	Tech	96 hr	LC50	2.82	PPM	2.31-3.43
Diphenamid	957-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	S	80	96 hr	LC50	97	PPM	N.R.
Diphenamid	957-51-7	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	58	PPM	43-79
Diphenamid	957-51-7	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	100	48 hr	LC50	51	PPM	37-71
Diphenamid	957-51-7	Crustacea	Scud	Gammarus fasciatus	Adult	S	100	96 hr	LC50	100	PPM	N.R.
Diphenamid	957-51-7	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	100	96 hr	LC50	32	PPM	29-35
Diphenamid	957-51-7	Fishes	Goldfish	Carassius auratus	1 g	S	100	96 hr	LC50	53.3	PPB	41.8-68.1
Diphenamid	957-51-7	Fishes	Fathead minnow	Pimephales promelas	0.9 gm	S	100	96 hr	LC50	48	PPM	38-60
Diphenamid	957-51-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	80WP	96 hr	LC50	65	PPM	N.R.
Diphenamid (Dymid 80W)	957-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.999	S	80	96 Hr	LC50	60	PPM	51.72-69.60

Diphenylamine	122-39-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	1.2	PPM	0.97-1.4
Diphenylamine	122-39-4	Fishes	Rainbow trout	Oncorhynchus mykiss	2.4 g	F	100	96 hr	LC50	2.2	PPM	1.8-3.1
Dipropetryn 80W formulation	4147-51-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	80W	96 hr	LC50	3.13	PPM	2.68-3.66
Dipropetryn 80W formulation	4147-51-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.16 g	S	80W	96 hr	LC50	2.43	PPM	2.04-2.87
Dipropyl isocinchomeronate	136-45-8	Fishes	Bluegill sunfish	Lepomis macrochirus	2.2 g	F	99	96 hr	LC50	0.44	PPM	0.34-0.63
Dipropyl isocinchomeronate	136-45-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.7	48 hr	EC50	18	PPM	9.3-20
Dipropyl isocinchomeronate	136-45-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.46 g	F	100	96 hr	LC50	1	PPM	0.68-1.5
Diquat dibromide	85-00-7	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	26 hr	EC50	7.1	PPM	6.3-8.0
Diquat dibromide	85-00-7	Crustacea	Amphipod	Hyalella sp.	N.R.	S	unkn	48 hr	EC50	0.14	PPM	0.0-0.46
Disodium methanearsonate	144-21-8	Crustacea	Water flea	Daphnia pulex	<24 hr	S	82.7	48 hr	EC50	153	PPM	87-231
Disulfoton	298-04-4	Fishes	Goldfish	Carassius auratus	N.R.	S	90	96 hr	LC50	7200	PPB	N.R.
Disulfoton	298-04-4	Fishes	Guppy	Poecilia reticulata	N.R.	S	90	96 hr	LC50	280	PPB	N.R.
Disulfoton	298-04-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95	96 hr	LC50	3000	PPB	2600-3500
Disulfoton	298-04-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	39	PPB	21-73
Disulfoton	298-04-4	Crustacea	Brown shrimp	Penaeus aztecus	Juv	S	95.5	48 hr	LC50	15	PPB	N.R.
Disulfoton	298-04-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	95.5	48 hr	LC50	520	PPB	N.R.
Disulfoton	298-04-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.5	96 hr	EC50	720	PPB	N.R.
Disulfoton	298-04-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.8	96 hr	LC50	100	PPB	80-130
Disulfoton	298-04-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	F	97.8	96 hr	LC50	1000	PPB	790-1600
Disulfoton	298-04-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.8	96 hr	EC50	720	PPB	550-1000
Disulfoton	298-04-4	Crustacea	Scud	Gammarus fasciatus	Adult	S	98	96 hr	LC50	52	PPB	49-58
Disulfoton	298-04-4	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	98	96 hr	LC50	3.9	PPB	2.7-5.7
Disulfoton	298-04-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3g	S	98	96 hr	LC50	300	PPB	N.R.
Disulfoton	298-04-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	98	96 hr	LC50	1850	PPB	N.R.
Disulfoton	298-04-4	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	98	96 hr	LC50	4700	PPB	N.R.
Disulfoton	298-04-4	Fishes	Largemouth bass	Micropterus salmoides	0.70 g	S	98	96 hr	LC50	60	PPB	N.R.
Disulfoton	298-04-4	Fishes	Fathead minnow	Pimephales promelas	1.0g	S	98	96 hr	LC50	4300	PPB	N.R.
Disulfoton	298-04-4	Crustacea	Water flea	Daphnia magna	1st-I	S	98.6	48 hr	EC50	13	PPB	8-22
Disulfoton	298-04-4	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	27	PPB	24-30

Disulfoton	298-04-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	Tech	N.R.	EC50	900	PPB	N.R.
Disulfoton mixture	298-04-4	Crustacea	Scud	Gammarus lacustris	Juv	S	Tech	96 hr	LC50	52	PPB	49-58
Disulfoton sulfone degadate	298-04-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.31 g	SR	87.4	96 hr	LC50	112	PPB	94-136
Disulfoton sulfone degadate	298-04-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	20 mm	S	100	96 hr	LC50	1.06	PPM	0.85-1.28
Disulfoton sulfone degradate	298-04-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	87.4	48 hr	EC50	35.2	PPB	28-45
Disulfoton sulfoxide degradate	298-04-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	85.3	96 hr	EC50	64	PPB	52.6-78.7
Disulfoton sulfoxide degradate	298-04-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.95 g	SR	85.3	96 hr	LC50	60300	PPB	42200-63400
Disulfoton sulfoxide degradate	298-04-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.9 g	SR	85.5	96 hr	LC50	188	PPB	155-226
Disulfoton sulfoxide degradate	298-04-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.21 g	S	98.5	96 hr	LC50	11.3	PPM	6.6-13.4
Dithiopyr	97886-45-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.58 g	S	91.5	96 hr	LC50	0.47	PPM	0.33-0.83
Dithiopyr	97886-45-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.58 g	S	91.5	96 hr	LC50	0.46	PPM	0.36-0.60
Dithiopyr	97886-45-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.3	96 hr	LC50	0.58	PPM	0.47-0.79
Dithiopyr	97886-45-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.3	96 hr	EC50	0.168	PPM	0.161-0.176
Dithiopyr	97886-45-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	17	PPM	14-22
Diuron	330-54-1	Crustacea	Water flea	Daphnia pulex	1st-I	S	95	48 hr	EC50	1.4	PPM	1.0-1.9
Diuron	330-54-1	Crustacea	Water flea	Simocephalus sp.	1st-I	S	95	48 hr	EC50	2	PPM	1.4-2.8
Diuron	330-54-1	Crustacea	Scud	Gammarus fasciatus	1st-I	S	95	96 hr	LC50	0.16	PPM	0.13-0.19
Diuron	330-54-1	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.3 g	S	95	96 hr	LC50	1.4	PPM	1.1-1.9
Diuron	330-54-1	Fishes	Lake trout	Salvelinus namaycush	N.R.	S	95	96 hr	LC50	2.7	PPM	2.4-3.0
Diuron	330-54-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.28 g	S	95	96 hr	LC50	1.95	PPM	1.5-2.54
Diuron	330-54-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	3.2	PPM	2.53-4.05
Diuron	330-54-1	Fishes	Cutthroat trout	Oncorhynchus clarkii	N.R.	S	95	96 hr	LC50	0.71	PPM	0.53-0.96
Diuron	330-54-1	Fishes	Lake trout	Salvelinus namaycush	0.4 g	S	95	96 hr	LC50	1.2	PPM	0.9-1.6
Diuron	330-54-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	95	96 hr	LC50	2.8	PPM	2.3-3.3
Diuron	330-54-1	Fishes	Striped mullet	Mugil cephalus	Juv	S	95	48 hr	LC50	6.3	PPM	N.R.
Diuron	330-54-1	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	95	96 hr	EC50	1.8	PPM	N.R.
Diuron	330-54-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.8	96 hr	EC50	4.8	PPM	4.49-5.18
Diuron	330-54-1	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	98.6	96 hr	LC50	14.2	PPM	13.4-15.0

Diuron	330-54-1	Crustacea	Mysid	Americamysis bahia	0.12g	S	99	96 hr	LC50	1.1	PPM	0.97-1.3
Diuron	330-54-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.63 g	S	99	96 hr	LC50	6.7	PPM	3.6-10.0
Diuron	330-54-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80WP	96 hr	LC50	16	PPM	11-23
Diuron Karmex DF Formulation	330-54-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	8.4	PPM	6.3-13.0
Diuron Karmex DF Formulation	330-54-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80	96 hr	LC50	19.6	PPM	N.R.
Dodigen	138003-56-2	Crustacea	Water flea	Daphnia magna	NR	S	82	48 Hr	EC50	142	PPM	123-164
Dodine	2439-10-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.31 g	F	94.07	96 hr	LC50	3700	PPB	2900-4800
Dodine	2439-10-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.07	96 hr	EC50	52	PPB	26-110
Dodine	2439-10-3	Crustacea	Water flea	Daphnia magna	1st-I	F	94.1	48 hr	EC50	17.8	PPB	14.8-22.3
Dodine	2439-10-3	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	86	PPB	72-102
Dodine	2439-10-3	Fishes	Bluegill sunfish	Lepomis macrochirus	2.3 g	S	95	96 hr	LC50	860	PPB	810-910
Dodine	2439-10-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.99g	S	95	96 hr	LC50	570	PPM	N.R.
Dodine	2439-10-3	Crustacea	Water flea	Daphnia magna	<24 hr	SR	95.3	48 hr	EC50	53.3	PPB	28.9-65.9
Dodine	2439-10-3	Fishes	Bluegill sunfish	Lepomis macrochirus	2.3 g	SR	95.3	96 hr	LC50	720	PPB	620-820
Dodine	2439-10-3	Crustacea	Scud	Gammarus fasciatus	Mat.	S	97.6	96 hr	LC50	1100	PPB	N.R.
Dodine	2439-10-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	>97.9	48 hr	EC50	89	PPB	78-103
Dowacil S-13	13108-52-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	S	82	96 hr	LC50	0.11	PPM	NR
D-Phenothrin (Sumithrin)	26002-80-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	93.4	48 hr	EC50	4.4	PPB	3.8-5.0
D-Phenothrin (Sumithrin)	26002-80-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93.4	96 hr	LC50	0.025	PPB	0.021-0.030
D-Phenothrin (Sumithrin)	26002-80-2	Fishes	Inland silverside	Menidia beryllina	0.21 g	F	93.4	96 hr	LC50	94.2	PPB	65.2-207.0
D-Phenothrin (Sumithrin)	26002-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	3.0 g	F	94.2	96 hr	LC50	15.8	PPB	N.R.
D-Phenothrin (Sumithrin)	26002-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1g	F	94.2	96 hr	LC50	1.4	PPB	N.R.
D-Phenothrin (Sumithrin)	26002-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	94.6	96 hr	LC50	16.7	PPB	12-23.2
D-Phenothrin (Sumithrin)	26002-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	94.6	96 hr	LC50	18	PPB	13.9-23.2
DTEA	36362-09-1	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.8	48 hr	EC50	36	PPB	22-60
DTEA	36362-09-1	Fishes	Fathead minnow	Pimephales promelas	0.33 g	S	99.8	96 hr	LC50	220	PPB	130-360

DTEA	36362-09-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.17 g	S	99.8	96 hr	LC50	700	PPB	360-1000
DTEA	36362-09-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	S	99.8	96 hr	LC50	770	PPB	600-1000
d-trans-Allethrin	584-79-2	Fishes	Coho salmon	Oncorhynchus kisutch	1.0 g	S	90	96 hr	LC50	22.2	PPB	20.6-23.9
d-trans-Allethrin	584-79-2	Fishes	Coho salmon	Oncorhynchus kisutch	Finglg	F	90	96 hr	LC50	2.6	PPB	1.8-3.5
d-trans-Allethrin	584-79-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	90	96 hr	LC50	13.9	PPB	11.8-17.9
d-trans-Allethrin	584-79-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	F	90	96 hr	LC50	9.7	PPB	8.0-11.6
d-trans-Allethrin	584-79-2	Fishes	Lake trout	Salvelinus namaycush	0.5 g	S	90	96 hr	LC50	17.3	PPB	14.9-20.0
d-trans-Allethrin	584-79-2	Fishes	Lake trout	Salvelinus namaycush	Finglg	F	90	96 hr	LC50	16	PPB	14.3-17.8
d-trans-Allethrin	584-79-2	Fishes	Northern pike	Esox lucius	Finglg	F	90	96 hr	LC50	3.3	PPB	3.0-3.6
d-trans-Allethrin	584-79-2	Fishes	Fathead minnow	Pimephales promelas	0.8 g	F	90	96 hr	LC50	48	PPB	34.9-66.0
d-trans-Allethrin	584-79-2	Fishes	White sucker	Catostomus commersoni	Finglg	F	90	96 hr	LC50	12.4	PPB	10.5-14.6
d-trans-Allethrin	584-79-2	Fishes	Channel catfish	Ictalurus punctatus	0.9 g	F	90	96 hr	LC50	27	PPB	22.4-32.6
d-trans-Allethrin	584-79-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	90	96 hr	LC50	47	PPB	40.0-55.2
d-trans-Allethrin	584-79-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	F	90	96 hr	LC50	22.5	PPB	20.5-24.7
d-trans-Allethrin	584-79-2	Fishes	Yellow perch	Perca flavescens	Finglg	F	90	96 hr	LC50	9.9	PPB	9.2-10.7
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99	96 hr	LC50	20	PPM	18-24
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.1	96 hr	EC50	7	PPM	5.8-8.7
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	24	PPM	20-29
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Fishes	Bluegill sunfish	Lepomis macrochirus	1.6 g	F	100	96 hr	LC50	12.6	PPM	10-16
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	F	100	96 hr	LC50	6.7	PPM	5.9-7.5
Ecolyst (Diethyl-2-(4-methylbenzyloxy)	N.R.	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.17 g	F	100	96 hr	LC50	16	PPM	12-21
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.6	48 hr	EC50	1.5	PPB	1.2-1.9

Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Crustacea	Amphipod (sediment tox)	Hyalella azteca	13 D	SR	94.6	10 D	LC50	2.2(sedmnt)	MGK	2.0-2.4
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Crustacea	Amphipod (sediment tox)	Leptocheirus plumulosus	Juv.	SR	94.6	10 D	LC50	1.1 (sedmnt)	MGK	0.95-1.2
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.6	96 hr	LC50	0.98	PPB	0.83-1.2
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.77 g	F	94.6	96 hr	LC50	1.3	PPB	0.68-2.1
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.84 g	F	94.6	96 hr	LC50	3.2	PPB	2.8-3.7
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Mollusca	Eastern oyster	Crassostrea virginica	32 mm	F	94.6	96 hr	EC50	0.56	PPB	0.48-0.65
Econea technical R107894 (Chlorfenapyr degr)	122454-29-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	94.6	96 hr	EC50	0.64	PPB	0.34-1.21
Econea (Chlorfenapyr) CL 322, 250 degradate	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	0.7	PPM	0.59-0.82
Econea (Chlorfenapyr) CL 322,248 metabolite	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	16.8	PPM	11.8-23.8
Econea (Chlorfenapyr) CL 322,250 degradate	122454-29-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.79 g	F	92.6	96 hr	LC50	520	PPB	320-870
Econea (Chlorfenapyr) CL 322,250 degradate	122454-29-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.8 g	F	92.6	96 hr	LC50	1200	PPB	1100-1400
Econea (Chlorfenapyr) CL 322,250 degradate	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	1.63	PPM	1.00-2.13
Econea (Chlorfenapyr) CL 322,250 degradate	122454-29-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	94	96 hr	EC50	310	PPB	270-340
Econea (Chlorfenapyr) CL 325,195 degradate	122454-29-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96	96 hr	LC50	12.25	PPM	10-15
Econea (Chlorfenapyr) CL 325,195 degradate	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	3.51	PPM	2.7-4.3
Econea (Chlorfenapyr) CL 325,250 degradate	122454-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.6	48 hr	EC50	510	PPB	420-610

Econea (Chlorfenapyr) CL 325,250 degradate	122454-29-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93	96 hr	LC50	0.55	PPM	0.49-0.63
Emamectin benzoate	137512-74-4	Fishes	Fathead minnow	Pimephales promelas	0.29 g	F	94.6	96 hr	LC50	194	PPB	157-257
Emamectin benzoate	137512-74-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.9	48 hr	EC50	1	PPB	0.84-1.19
Emamectin benzoate	137512-74-4	Crustacea	Mysid	Americamysis bahia	Juv	F	95.9	96 hr	LC50	0.04	PPB	0.035-0.046
Emamectin benzoate	137512-74-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.71 g	F	95.9	96 hr	LC50	1430	PPB	1250-1670
Emamectin benzoate	137512-74-4	Fishes	Rainbow trout	Oncorhynchus mykiss	2.27 g	F	95.9	96 hr	LC50	174	PPB	146-207
Emamectin benzoate	137512-74-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.42 g	F	95.9	96 hr	LC50	180	PPB	40-240
Emamectin benzoate	137512-74-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.9	96 hr	EC50	490	PPB	410-590
Endosulfan	115-29-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.55 g	S	86	96 hr	LC50	0.37	PPB	0.30-0.46
Endosulfan	115-29-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.71 g	S	86	96 hr	LC50	2.08	PPB	1.78-2.43
Endosulfan	115-29-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95.9	96 hr	LC50	0.83	PPB	0.54-1.18
Endosulfan	115-29-7	Crustacea	Scud	Gammarus lacustris	Mat	S	96	96 hr	LC50	5.8	PPB	4.1-8.1
Endosulfan	115-29-7	Crustacea	Scud	Gammarus fasciatus	Mat	S	96	96 hr	LC50	6	PPB	4.0-8.0
Endosulfan	115-29-7	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	96	96 hr	LC50	0.04	PPB	0.02-.08
Endosulfan	115-29-7	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	96	96 hr	LC50	1.3	PPB	1.0-1.9
Endosulfan	115-29-7	Crustacea	Blue crab	Callinectes sapidus	Juv	F	96	48 hr	LC50	19	PPB	N.R.
Endosulfan	115-29-7	Crustacea	Fiddler crab	Uca pugilator	<0.1 g	S	96	48 hr	LC50	789.5	PPB	641.7-1050
Endosulfan	115-29-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	96	96 hr	LC50	1.1	PPB	0.97-1.3
Endosulfan	115-29-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1 g	S	96	96 hr	LC50	1.2	PPB	0.9-1.7
Endosulfan	115-29-7	Fishes	Fathead minnow	Pimephales promelas	0.7 g	S	96	96 hr	LC50	1.5	PPB	1.1-2.0
Endosulfan	115-29-7	Fishes	Channel catfish	Ictalurus punctatus	1.7 g	S	96	96 hr	LC50	1.5	PPB	1.3-1.7
Endosulfan	115-29-7	Fishes	Pinfish	Lagodon rhomboides	Adult	F	96	96 hr	LC50	0.3	PPB	0.25-0.47
Endosulfan	115-29-7	Fishes	Spot	Leiostomus xanthurus	Adult	F	96	96 hr	LC50	0.09	PPB	0.06-.11
Endosulfan	115-29-7	Fishes	Striped mullet	Mugil cephalus	Juv	F	96	96 hr	LC50	0.38	PPB	0.35-0.47
Endosulfan	115-29-7	Fishes	Striped mullet	Mugil cephalus	Juv	F	96	48 hr	LC50	0.32	PPB	N.R.
Endosulfan	115-29-7	Fishes	Striped bass	Morone saxatilis	N.R.	F	96	96 hr	LC50	0.1	PPB	0.05-0.21
Endosulfan	115-29-7	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	96	48 hr	EC50	460	PPB	470-480
Endosulfan	115-29-7	Mollusca	Eastern oyster	Crassostrea virginica	Embry	S	96	48 hr	EC50	0.45	PPB	0.35-0.57

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Endosulfan	115-29-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	42	PPB	N.R.
Endosulfan	115-29-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	96.6	96 hr	LC50	3.3	PPB	2.5-4.1
Endosulfan	115-29-7	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	166	PPB	126-219
Endosulfan	115-29-7	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	99	7 d	LC50	0.86	PPB	0.52-1.4
Endosulfan	115-29-7	Fishes	Common carp	Cyprinus carpio	0.47 g	S	99.9	96 hr	LC50	2.2	PPB	N.R.
Endosulfan	115-29-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	1.7	PPB	1.0-2.1
Endosulfan	115-29-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	1.5	PPB	1.3-1.7
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Crustacea	Marine amphipod	Leptocheirus plumulosus	Juv	SR	99.3	10 D	LC50	73.7 porew	PPB	65.4-83.3
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.3	96 hr	LC50	7.9	PPB	6.6-9.9
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Crustacea	Marine amphipod	Leptocheirus plumulosus	Juv	SR	99.3	10 D	LC50	1.1 ovrwtr	PPB	1.0-1.2
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.49 g	F	99.3	96 hr	LC50	3.1	PPB	2.7-3.7
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.69 g	F	99.3	96 hr	LC50	3.8	PPB	2.9-6.1
Endosulfan sulfate metabolite(PC Code 079404)	1031-07-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	300	PPB	220-450
Endothall	145-73-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	77.9	48 hr	EC50	92	PPM	62-180
Endothall	145-73-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	77.9	96 hr	LC50	77	PPM	23-130
Endothall	145-73-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	77.9	96 hr	LC50	49	PPM	45-54
Endothall	145-73-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	25 mm	F	77.9	96 hr	LC50	110	PPM	90-170
Endothall	145-73-3	Crustacea	Water flea	Daphnia magna	1st-I	S	89.5	48 hr	EC50	32.5	PPM	31.3-37.0
Endothall	145-73-3	Crustacea	Fiddler crab	Uca pugilator	2.3+ g	S	89.5	96 hr	LC50	132.8	PPM	N.R.
Endothall	145-73-3	Crustacea	Grass shrimp	Palaemonetes pugio	0.1 g	S	89.5	96 hr	LC50	85.1	PPM	65.5-110.6
Endothall	145-73-3	Fishes	Mummichog	Fundulus heteroclitus	0.8+ g	S	89.5	96 hr	LC50	213	PPM	178.3-256.7
Endothall	145-73-3	Mollusca	Mussel	Mytilus edulis	Embryo	S	89.5	48 hr	EC50	49.2	PPM	44.6-53.9
Endothall	145-73-3	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	91.2	96 hr	EC50	43	PPM	39.6-47.8

Endothall	145-73-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	91.21	96 hr	LC50	39	PPM	29-64
Endothall, disodium salt	129-67-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	48 hr	LC50	280	PPM	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	98	48 hr	LC50	0.2	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98	48 hr	LC50	0.2	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	S	98	96 hr	LC50	0.037	PPB	0.025-0.053
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Grass shrimp	Palaemonetes pugio	Larvae	F	98	96 hr	LC50	1.2	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	98	96 hr	LC50	0.35	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	S	98	96 hr	LC50	0.63	PPB	0.35-1.2
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	98	96 hr	LC50	0.69	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Blue crab	Callinectes sapidus	Juv	F	98	48 hr	LC50	15	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Gulf menhaden	Brevoortia patronus	Juv	F	98	24 hr	LC50	0.8	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	98	96 hr	LC50	0.34	PPB	0.20-0.40
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	S	98	96 hr	LC50	0.38	PPB	0.31-0.43
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	98	96 hr	LC50	0.36	PPB	0.30-0.50
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Longnose killifish	Fundulus similis	Juv	F	98	24 hr	LC50	0.23	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Sailfin molly	Poecilia latipinna	Adult	S	98	96 hr	LC50	0.63	PPB	0.47-0.84
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Spot	Leiostomus xanthurus	Juv	F	98	48 hr	LC50	0.3	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	98	96 hr	EC50	33	PPB	N.A.
Endrin (Cancelled in U.S.)	72-20-8	Mollusca	Eastern oyster	Crassostrea virginica	Adult	S	98	96 hr	EC50	14	PPB	4-50
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	4.2	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	41	PPB	23-73
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99	48 hr	EC50	26	PPB	18-36
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Water flea	Daphnia pulex	<24 hr	S	99	48 hr	LC50	20	PPB	13-30
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Scud	Gammarus lacustris	Mat	S	99	96 hr	LC50	3	PPB	2-4.5
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Seed shrimp	Cypridopsis vidua	Mat	S	99	48 hr	LC50	1.8	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	99	96 hr	LC50	1.5	PPB	0.9-3.7
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	1.3	PPB	0.3-2.4
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Crayfish	Orconectes nais	Juv	S	99	96 hr	LC50	3.2	PPB	1.6-7.5
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	S	99	96 hr	LC50	3.2	PPB	1.8-5.8
Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	F	99	96 hr	LC50	0.5	PPB	N.R.

Endrin (Cancelled in U.S.)	72-20-8	Crustacea	Seed shrimp	Cypridopsis vidua	Mat	S	99	96 hr	LC50	320	PPB	280-410
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	99	96 hr	LC50	0.41	PPB	0.32-0.51
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	99	96 hr	LC50	0.74	PPB	0.63-0.87
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Striped mullet	Mugil cephalus	Juv	F	99	48 hr	LC50	0.4	PPB	N.R.
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Coho salmon	Oncorhynchus kisutch	Finglg	S	99	96 hr	LC50	0.089	PPB	N.A.
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Goldfish	Carassius auratus	Finglg	F	99	96 hr	LC50	0.44	PPB	0.29-0.66
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Common carp	Cyprinus carpio	Finglg	F	99	96 hr	LC50	0.32	PPB	0.25-0.41
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	99	96 hr	LC50	1.8	PPB	1-3
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Fathead minnow	Pimephales promelas	0.9 g	F	99	96 hr	LC50	0.24	PPB	0.16-0.36
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Black bullhead	Ictalurus melas	1.5 g	S	99	96	LC50	1.13	PPB	1.02-1.26
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Channel catfish	Ictalurus punctatus	1.4 g	S	99	96 hr	LC50	0.32	PPB	0.29-0.35
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Mosquitofish	Gambusia affinis	0.6 g	S	99	96 hr	LC50	1.1	PPB	0.4-3.4
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	99	96 hr	LC50	0.19	PPB	0.16-0.21
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Largemouth bass	Micropterus salmoides	2.5 g	S	99	96 hr	LC50	0.31	PPB	0.25-0.39
Endrin (Cancelled in U.S.)	72-20-8	Fishes	Yellow perch	Perca flavescens	Finglg	F	99	96 hr	LC50	0.15	PPB	0.12-0.18
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	80	PPB	60-110
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80	96 hr	LC50	190	PPB	160-220
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Mysid	Americamysis bahia	Juv	S	97.2	96 hr	LC50	13	PPB	10-18
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Mysid	Americamysis bahia	Adult	F	97.2	96 hr	LC50	3.4	PPB	2.5-5.8
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	97.2	96 hr	LC50	3.2	PPB	N.R.
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	97.2	96 hr	LC50	0.29	PPB	0.10-1.1
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	White shrimp	Penaeus setiferus	Juv	S	97.2	96 hr	LC50	4.6	PPB	2.4-9.0
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	97.2	96 hr	LC50	140	PPB	59-500
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	97.2	96 hr	LC50	180	PPB	150-250
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Pinfish	Lagodon rhomboides	Adult	F	97.2	96 hr	LC50	18	PPB	14-24
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Spot	Leiostomus xanthurus	Adult	S	97.2	96 hr	LC50	37	PPB	33-40
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Spot	Leiostomus xanthurus	Adult	F	97.2	96 hr	LC50	26	PPB	19-34
EPN (Cancelled in U.S.)	2104-64-5	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	97.2	48 hr	EC50	2200	PPB	600-8100

EPN (Cancelled in U.S.)	2104-64-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.2	96 hr	EC50	130	PPB	N.R.
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	6.8	PPB	3.5-13.3
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	S	100	96 hr	LC50	0.57	PPB	0.43-0.76
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	100	96 hr	LC50	150	PPB	130-170
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	210	PPB	192-230
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Northern pike	Esox lucius	0.5 g	S	100	24 hr	LC50	460	PPB	356-594
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Channel catfish	Ictalurus punctatus	1.1 g	S	100	96 hr	LC50	420	PPB	351-502
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	110	PPB	85-141
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Largemouth bass	Micropterus salmoides	1.0 g	S	100	96 hr	LC50	380	PPB	346-417
EPN (Cancelled in U.S.)	2104-64-5	Fishes	Walleye	Stizostedion vitreum v.	0.8 g	S	100	96 hr	LC50	350	PPB	333-368
EPN (Cancelled in U.S.)	2104-64-5	Crustacea	Scud	Gammarus lacustris	Adult	S	Tech	96 hr	LC50	15	PPB	13-19
Esfenvalerate	66230-04-4	Crustacea	Marine amphipod	Leptocheirus plumulosus	Neonat	SR	95.8	28 D	LC50	0.009 (porew)	PPB	0.008-0.010
Esfenvalerate	66230-04-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.6	48 hr	EC50	0.9	PPB	0.7-1.2
Ethalfluralin	55283-68-6	Crustacea	Water flea	Daphnia magna	1st-I	S	94	48 hr	EC50	60	PPB	N.R.
Ethalfluralin	55283-68-6	Crustacea	Mysid	Americamysis bahia	N.R.	F	95.5	96 hr	LC50	230	PPB	200-260
Ethalfluralin	55283-68-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	95.5	96 hr	LC50	240	PPB	170-350
Ethalfluralin	55283-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.18g	F	95.5	96 hr	LC50	136	PPB	112-231
Ethalfluralin	55283-68-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.5	96 hr	EC50	102	PPB	77-146
Ethalfluralin	55283-68-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	95.6	96 hr	LC50	101.9	PPB	75-138
Ethalfluralin	55283-68-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.93	96 hr	EC50	172	PPB	160-190
Ethalfluralin	55283-68-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	32	PPB	22-45
Ethalfluralin	55283-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	100	96 hr	LC50	37	PPB	25-51
Ethalfluralin	55283-68-6	Fishes	Goldfish	Carassius auratus	1.2 g	S	100	96 hr	LC50	260	PPB	200-330
Ethephon	16672-87-0	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	71.3	96 hr	LC50	311	PPM	249.0-388.0
Ethephon	16672-87-0	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	71.3	96 hr	LC50	357	PPM	280-454
Ethephon	16672-	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	72.2	96 hr	EC50	60	PPM	25-93

	87-0											
Ethephon	16672-87-0	Crustacea	Water flea	Daphnia magna	1st-I	S	88.3	48 hr	EC50	31.7	PPM	17-58
Ethephon	16672-87-0	Crustacea	Scud	Gammarus fasciatus	Juv	S	88.3	48 hr	LC50	92.5	PPM	73-118
Ethephon	16672-87-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1 g	S	92	96 hr	LC50	115	PPM	88.2-127
Ethephon	16672-87-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	92	96 hr	LC50	120	PPM	110.4-128.8
Ethion	563-12-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.13g	S	81.9	96 hr	LC50	193	PPB	159-234
Ethion	563-12-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.61 g	S	81.9	96 hr	LC50	73	PPB	59-90
Ethion	563-12-2	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	92.1	48 hr	EC50	2300	PPB	2100-2500
Ethion	563-12-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	95	48 hr	LC50	19	PPB	N.R.
Ethion	563-12-2	Fishes	Spot	Leiostomus xanthurus	N.R.	F	95	48 hr	LC50	70	PPB	N.R.
Ethion	563-12-2	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	95	96 hr	EC50	40	PPB	N.R.
Ethion	563-12-2	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	0.056	PPB	0.038-.082
Ethion	563-12-2	Crustacea	Water flea	Daphnia pulex	1st-I	S	100	48 hr	EC50	2.8	PPB	1.5-5.3
Ethion	563-12-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	100	48 hr	EC50	4.7	PPB	3.2-5.3
Ethion	563-12-2	Crustacea	Scud	Gammarus lacustris	Mat	S	100	96 hr	LC50	1.8	PPB	1.3-2.4
Ethion	563-12-2	Crustacea	Grass shrimp	Palaemonetes pugio	Mat	S	100	96 hr	LC50	5.6	PPB	3.2-9.8
Ethion	563-12-2	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	9.4	PPB	7.0-14.0
Ethion	563-12-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	500	PPB	355-705
Ethion	563-12-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	100	96 hr	LC50	720	PPB	580-900
Ethion	563-12-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	100	96 hr	LC50	210	PPB	141-313
Ethion	563-12-2	Fishes	Fathead minnow	Pimephales promelas	FingLg	S	100	96 hr	LC50	720	PPB	N.R.
Ethion	563-12-2	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	100	96 hr	LC50	7600	PPB	6390-9030
Ethion	563-12-2	Fishes	Largemouth bass	Micropterus salmoides	2.8 g	S	100	96 hr	LC50	173	PPB	158-190
Ethion	563-12-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	26 hr	EC50	0.072	PPB	N.R.
Ethion	563-12-2	Crustacea	Pink shrimp	Penaeus duorarum	0.65 g	F	TECH	96 hr	LC50	15	PPB	12.2-18.1
Ethion	563-12-2	Crustacea	Brown shrimp	Penaeus aztecus	N.R.	F	Tech	48 hr	LC50	2.4	PPB	N.R.
Ethion	563-12-2	Fishes	Atlantic silverside	Menidia menidia	0.1 g	F	TECH	96 hr	LC50	49	PPB	38.8-67.9
Ethion	563-12-2	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	Tech	96 hr	LC50	206	PPB	N.R.

Ethion	563-12-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv.	S	Tech	96 hr	LC50	130	PPB	80-190
Ethion	563-12-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	Tech	48 hr	EC50	2300	PPB	2100-2500
Ethofenprox	80844-07-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.69 g	F	95.6	96 hr	LC50	2.7	PPB	2.2-3.6
Ethofenprox	80844-07-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.4 g	F	95.6	96 hr	LC50	13	PPB	11-18
Ethofenprox	80844-07-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	0.57	PPB	0.54-1.6
Ethofenprox	80844-07-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.31 g	S	96	96 hr	LC50	2.36	PPB	2.3-2.4
Ethofenprox (lowest meas. concentration)	80844-07-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.85 g	S	96	96 hr	LC50	1.4	PPB	1.0-2.2
Ethofumesate	26225-79-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	64	PPM	49-83
Ethofumesate	26225-79-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.95 g	S	96	96 hr	LC50	0.75	PPM	0.5-1.0
Ethofumesate	26225-79-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97	96 hr	LC50	5.3	PPM	4.5-5.7
Ethofumesate	26225-79-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	3 MOS	S	97	96 hr	LC50	25	PPM	17- Inf.
Ethofumesate	26225-79-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.79 g	SR	97	96 hr	LC50	11.5	PPM	7.3-28.1
Ethofumesate	26225-79-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97	96 hr	EC50	2.6	PPM	0.8-5.6
Ethofumesate	26225-79-6	Fishes	Bluegill sunfish	Lepomis macrochirus	37 mm	SR	97.8	96 hr	LC50	21.8	PPM	15.6-30.5
Ethofumesate	26225-79-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.9 g	S	98.1	96 hr	LC50	17.5	PPM	8-33
Ethofumesate	26225-79-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	294	PPM	255-339
Ethofumesate	26225-79-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	Tech	96 hr	LC50	2.5	PPM	1.0-5.0
Ethoprop	13194-48-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	92	96 hr	LC50	1150	PPB	800-1700
Ethoprop	13194-48-4	Crustacea	Mysid	Americamysis bahia	Adult	F	95	96 hr	LC50	7.5	PPB	6.4-9.2
Ethoprop	13194-48-4	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	95	96 hr	LC50	13	PPB	4.7-37
Ethoprop	13194-48-4	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	95	96 hr	LC50	6.4	PPB	5.5-7.4
Ethoprop	13194-48-4	Crustacea	Mysid	Americamysis bahia	24 Hr	S	95	96 hr	LC50	25.3	PPB	18-32
Ethoprop	13194-48-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	95	96 hr	LC50	180	PPB	85-390
Ethoprop	13194-48-4	Fishes	Pinfish	Lagodon rhomboides	<90 mm	F	95	96 hr	LC50	6.3	PPB	4.8-8.4
Ethoprop	13194-48-4	Fishes	Spot	Leiostomus xanthurus	Adult	S	95	96 hr	LC50	33	PPB	00-48

Ethoprop	13194-48-4	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	95	48 hr	EC50	14900	PPB	8400-28900
Ethoprop	13194-48-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.7	96 hr	LC50	18.78	PPB	15.0-22.0
Ethoprop	13194-48-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.024g	F	96.8	96 hr	LC50	958	PPB	760-1450
Ethoprop	13194-48-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.7	96 hr	EC50	3.7	PPM	1.1-19
Ethoprop	13194-48-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.7	48 hr	EC50	93	PPB	56-180
Ethoprop	13194-48-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	99.7	96 hr	LC50	300	PPB	230-400
Ethoprop	13194-48-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	42.8	PPB	33.7-52
Ethoprop	13194-48-4	Crustacea	Grass shrimp	Palaemonetes pugio	0.3 g	S	Tech	96 hr	LC50	56.4	PPB	41.6-77
Ethoprop	13194-48-4	Crustacea	Fiddler crab	Uca pugilator	2.2 g	S	Tech	96 hr	LC50	1600	PPB	1300-1900
Ethoprop	13194-48-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	1580	PPB	930-2281
Ethoprop	13194-48-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	13800	PPB	970-19700
Ethoprop	13194-48-4	Fishes	Goldfish	Carassius auratus	N.R.	S	Tech	96 hr	LC50	13600	PPB	9600-19200
Ethoquad surfactant(mp-5812)	61791-10-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	S	unspec.	96 hr	LC50	1.2	PPM	0.56-1.8
Ethoxylated C11-15 alcohols (Tergitol 15-S-9)	68131-40-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5-3i	S	Tech	96 hr	LC50	3.7	PPM	3.0-4.0
Ethoxylated C11-15 alcohols (Tergitol 15-S-9)	68131-40-8	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	Tech	96 hr	LC50	3	PPM	2.0-4.0
Ethoxyquin	91-53-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.1	48 hr	EC50	2	PPM	1.7-2.9
Ethoxyquin	91-53-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	F	99.1	96 hr	LC50	18	PPM	14-23
Ethyl dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.1	96 hr	LC50	3.7	PPM	2.7-4.7
Ethyl dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.18 g	F	98.1	96 hr	LC50	17 (est)	PPM	10-Inf
Ethyl dipropylthiocarbamate (EPTC)	759-94-4	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98.1	96 hr	EC50	1.8	PPM	1.1-3.4
Ethyl dipropylthiocarbamate 6E formulation	759-94-4	Fishes	Goldfish	Carassius auratus	0.6 g	S	77	96 hr	LC50	26.67	PPM	24-32
Ethyl dipropylthiocarbamate(EPTC) formulation	759-94-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	77	96 hr	LC50	20.72	PPM	18.69-22.67
Ethyl dipropylthiocarbamate(EPTC) formulation	759-94-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.42g	S	77.1	96 hr	LC50	22.4	PPM	18.2-24.2

Ethyl dipropylthiocarbamate(EPTC) formulation	759-94-4	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	77.1	96 hr	LC50	16.37	PPM	13.7-19.1
Ethyl dipropylthiocarbamate(EPTC) formulation	759-94-4	Fishes	Goldfish	Carassius auratus	0.634	S	77.1	96 Hr	LC50	25.2	PPM	23.1-27.5
Ethyl N,N-dipropylthiocarbamate sulfoxide	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	22	PPM	20-26
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	SR	95.6	48 hr	EC50	3.5	PPM	2.9-4.3
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Bluegill sunfish	Lepomis macrochirus	3.0 g	S	97.8	96 hr	LC50	26.7	PPM	24-32
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	97.8	96 hr	LC50	19.96	PPM	10-24
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	14	PPM	12-17
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	98	96 hr	LC50	23	PPM	15-36
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Scud	Gammarus fasciatus	Juv	S	98	96 hr	LC50	66	PPM	N.R.
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	White shrimp	Penaeus setiferus	Juv	F	98	48 hr	LC50	630	PPB	N.R.
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Cutthroat trout	Oncorhynchus clarkii	4.2 g	F	98	96 hr	LC50	23.3	PPM	16.6-32.6
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.10g	S	98	96 hr	LC50	12.5	PPM	11-15
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Lake trout	Salvelinus namaycush	1.5 g	S	98	96 hr	LC50	11.5	PPM	9.9-13.3
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.4	48 hr	EC50	6.4	PPM	4.8-8.4
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.6	48 hr	EC50	14.15	PPM	11.9-16.8
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.20 g	S	98.6	96 hr	LC50	14	PPM	10-24

Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	7.5	PPM	5.9-9.5
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.09 g	S	99	96 hr	LC50	18	PPM	10-32
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.34 g	S	99	96 hr	LC50	21	PPM	10-32
Ethyl N,N-dipropylthiocarbamate (EPTC)	759-94-4	Crustacea	Scud	Gammarus fasciatus	N.R.	S	Tech	96 hr	LC50	23	PPM	15-36
Ethylene dichloride	107-06-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8 g	S	100	96 hr	LC50	225	PPM	N.R.
Ethylenethiourea	96-45-7	Crustacea	Water flea	Daphnia magna	< 24 h	S	99.6	48 hr	EC50	26.9	PPM	19.6-38.5
Ethylenethiourea	96-45-7	Crustacea	Mysid	Americamysis bahia	< 24 h	S	100	96 hr	LC50	7.8	PPM	5.1-10.9
Etofenprox	80844-07-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.5	96 hr	LC50	0.0188	PPB	0.0144-0.0249
Etofenprox 4'-OH degradate	80844-07-1	Crustacea	Waterflea	Daphnia magna	<24 hr	S	96	48 hr	EC50	6.6	PPB	5.2-8.5
Etoxazole	153233-91-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.4	48 hr	EC50	7.1	PPB	5.9-8.5
Etoxazole	153233-91-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.3	96 hr	LC50	4.42	PPB	3.96-4.98
Etoxazole	153233-91-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.3	96 hr	EC50	1.1	PPB	0.72-1.6
Etoxazole (Zeal formulated product)	153233-91-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	72.5	96 hr	EC50	4.2	PPB	3.2-4.9
Etridiazole (Terrazole)	2593-15-9	Crustacea	Water flea	Daphnia magna	N.R.	S	95	48 hr	EC50	4.9	PPM	3.7-6.5
Etridiazole (Terrazole)	2593-15-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.9	48 hr	EC50	3.08	PPM	2.0-3.9
Etridiazole (Terrazole)	2593-15-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	F	97.9	96 hr	LC50	2.41	PPM	2.1-2.8
Etridiazole (Terrazole)	2593-15-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99	96 hr	LC50	2.45	PPM	2.0-3.0
Etridiazole (Terrazole)	2593-15-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99	96 hr	LC50	4	PPM	N.R.
Etridiazole (Terrazole)	2593-15-9	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	99	96 hr	EC50	2.88	PPM	2.4-3.7
Etridiazole (Terrazole)	2593-15-9	Fishes	Rainbow trout	Oncorhynchus mykiss	50 mm	F	99.75	96 hr	LC50	0.77	PPM	0.63-0.95
Etridiazole (Terrazole)	2593-15-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	Tech	9 D	LC50	3.27	PPM	2.65-4.04
Etridiazole (Terrazole)	2593-15-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	Tech	9 D	LC50	1.21	PPM	0.97-1.50
Etridiazole metabolite(T-03)	2593-15-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.75	48 hr	EC50	1.1	PPM	0.95-1.34
Famoxadone	131807-57-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.4	96 hr	LC50	3.9	PPB	3.49-4.31

Famoxadone	131807-57-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.28 g	F	97.4	96 hr	LC50	49.4	PPB	44.1-56.1
Famoxadone	131807-57-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.7	48 hr	EC50	11.8	PPB	10.1-14.5
Famoxadone	131807-57-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	F	97.7	96 hr	LC50	13	PPB	9.3-21.0
Famoxadone	131807-57-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.19 g	F	97.7	96 hr	LC50	12	PPB	5.2-22
Famoxadone	131807-57-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.8	96 hr	EC50	1.6	PPB	0.98-2.7
Farnesol	4602-84-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	2.2	PPM	1.9-2.5
Farnesol	4602-84-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.27 g	S	100	96 hr	LC50	1.8	PPM	1.4-2.2
Fatty Alcohols(C6-C12)	68603-15-6	Fishes	Rainbow trout	Oncorhynchus mykiss	11.4 g	S	100	96 hr	LC50	6.5	PPM	478-8.85
Fatty Alcohols(C6-C12)	68603-15-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	100	96 hr	LC50	4.31	PPM	3.6-5.1
Fenamidone	161326-34-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.3	96 hr	EC50	0.12	PPM	0.078-0.18
Fenamidone	161326-34-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	48.7	PPB	29.3-91.1
Fenamidone	161326-34-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.8	48 hr	EC50	0.19	PPM	0.16-0.22
Fenamidone	161326-34-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.8	96 hr	LC50	0.069	PPM	0.047-0.082
Fenamidone	161326-34-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	99.8	96 hr	LC50	0.74	PPM	0.61-1.0
Fenamidone	161326-34-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.126g	F	99.8	96 hr	LC50	0.74	PPM	0.57-0.96
Fenamidone	161326-34-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.41 g	F	99.8	96 hr	LC50	2.5	PPM	2.2-2.9
Fenamidone(RPA413255 metabolite)	161326-34-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.1	48 hr	EC50	9.7	PPM	N.R.
Fenaminosulf	140-56-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.68 g	S	70	96 hr	LC50	22	PPM	16.8-29.8
Fenaminosulf	140-56-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	70	24 hr	LC50	400	PPM	N.R.
Fenaminosulf	140-56-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	70	48 hr	LC50	143	PPM	N.R.
Fenaminosulf	140-56-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	70	96 hr	LC50	86	PPM	32-120
Fenaminosulf	140-56-7	Crustacea	Scud	Gammarus lacustris	Adult	S	89	96 hr	LC50	3.7	PPM	2.7-5.0
Fenaminosulf	140-56-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	89	96 hr	LC50	85	PPM	N.R.
Fenaminosulf	140-56-7	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	48 hr	LC50	6	PPM	4.4-8.2
Fenaminosulf	140-56-7	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	24 hr	LC50	18	PPM	11.0-29.
Fenaminosulf	140-56-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	TEP	N.R.	LC50	180	PPM	N.R.

Fenamiphos	22224-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	81	96 hr	LC50	16.38	PPB	12.5-21.3
Fenamiphos	22224-92-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5-2g	S	81	96 hr	LC50	72.1	PPB	61.2-84.7
Fenamiphos	22224-92-6	Crustacea	Water flea	Daphnia magna	>24 hr	S	88	48 hr	EC50	1.6	PPB	1.3-1.9
Fenamiphos	22224-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5-1	S	88	96 hr	LC50	9.5	PPB	6.8-15
Fenamiphos	22224-92-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	88.7	48 hr	EC50	1.9	PPB	1.7-2.2
Fenamiphos	22224-92-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	88.7	96 hr	LC50	6.8	PPB	5.7-8.0
Fenamiphos	22224-92-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.26 g	F	88.7	96 hr	LC50	17.5	PPB	13-22
Fenamiphos	22224-92-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	88.7	96 hr	EC50	1650	PPB	1600-1790
Fenamiphos sulfone	22224-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	88	96 hr	LC50	1173	PPB	1000-1500
Fenamiphos sulfoxide	22224-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	88	96 hr	LC50	2653	PPB	1000-4600
Fenamiphos sulfoxide degradate.	22224-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5-2g	S	99	96 hr	LC50	1876	PPB	1376-2393
Fenarimol	60168-88-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.89 g	S	97	96 hr	LC50	5.7	PPM	3.4-9.6
Fenarimol	60168-88-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.89 g	S	97	96 hr	LC50	1.8	PPM	1.5-2.4
Fenarimol	60168-88-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	97	96 hr	LC50	3.1	PPM	2.4-4.1
Fenarimol	60168-88-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	97	96 hr	LC50	4.1	PPM	3.2-5.3
Fenarimol	60168-88-9	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	6.8	PPM	6.0-7.8
Fenarimol	60168-88-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	0.9	PPM	0.7-1.1
Fenarimol	60168-88-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	100	96 hr	LC50	2.1	PPM	1.8-2.4
Fenazaquin	120928-09-8	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.48	96 Hr	EC50	3.9	PPB	0.91-17
Fenazaquin	120928-09-8	Crustacea	Water flea	Daphnia magna	24 Hr	S	98	48 Hr	EC50	5.6	PPB	5.0-6.3
Fenazaquin	120928-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.39 g	F	98	96 Hr	LC50	3.9	PPB	3.0-5.4
Fenazaquin	120928-09-8	Fishes	Bluegill sunfish	Lepomis macrochirus	2.3 g	F	98	96 Hr	LC50	34.1	PPB	28.8-40.4
Fenazaquin	120928-09-8	Crustacea	Brown shrimp	Crangon crangon	1.77 g	SR	99.3	96 Hr	LC50	21	PPB	18-26
Fenazaquin	120928-09-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99.92	96 hr	LC50	5	PPB	4.2-6.2
Fenazaquin 2-(4- tert-butylphenol) ethanol	120928-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	SR	88.9	96 hr	LC50	13300	PPB	8800-20000

Fenazaquin in suspended sediment	120928-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.06 g	SR	98	96 Hr	LC50	11.4 w/sedmt	PPB	10.9-11.8
Fenazaquin propionic acid metabolite	120928-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.86 g	S	89.7	96 Hr	LC50	735	PPB	571-942
Fenbuconazole	114369-43-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.7	48 hr	EC50	2300	PPB	2000-2700
Fenbuconazole	114369-43-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	F	96.7	96 hr	LC50	680	PPB	420-920
Fenbuconazole	114369-43-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	96.7	96 hr	LC50	1500	PPB	700-2700
Fenbuconazole	114369-43-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	633	PPB	530-940
Fenbuconazole	114369-43-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	F	98	96 hr	LC50	1800	PPB	1500-2300
Fenbuconazole	114369-43-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	1200	PPB	650-1900
Fenbutatin oxide	13356-08-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1 g	S	95	96 hr	LC50	1.7	PPB	1.4-2.2
Fenbutatin oxide	13356-08-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.17 g	S	95	96 hr	LC50	4.84	PPB	2.45-9.34
Fenbutatin oxide	13356-08-6	Crustacea	Mysid	Americamysis bahia	4.8 mm	S	98	96 hr	LC50	2.7	PPB	1.0-4.6
Fenbutatin oxide	13356-08-6	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98	48 hr	EC50	0.37	PPB	0.35-0.42
Fenbutatin oxide	13356-08-6	Crustacea	Water flea	Daphnia magna	1st-I	S	98.6	48 hr	EC50	31	PPB	21-47
Fenbutatin oxide	13356-08-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.87 g	S	98.6	96 hr	LC50	6.6	PPB	5.76-7.76
Fenbutatin oxide	13356-08-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.53g	F	99.4	96 hr	LC50	20.8	PPB	19.5-22.8
Fenbutatin oxide	13356-08-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.17g	S	100	96 hr	LC50	1.73	PPB	1.3-2.4
Fenbutatin oxide	13356-08-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	100	96 hr	LC50	4.8	PPB	2.5-9.3
Fenbutatin oxide	13356-08-6	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	96 hr	EC50	40.9	PPB	37.4-44.4
Fenbutatin oxide Vendex 50 WP	13356-08-6	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	96 hr	EC50	565	PPB	445-762
Fenhexamid	126833-17-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	92.7	96 hr	LC50	1.34	PPM	1.01-1.48
Fenhexamid	126833-17-8	Fishes	Bluegill sunfish	Lepomis macrochirus	3.5 g	F	94.64	96 hr	LC50	3.42	PPM	2.33-4.07
Fenhexamid	126833-17-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.19 g	F	95	96 hr	LC50	11	PPM	9.5-13
Fenhexamid	126833-17-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95.8	96 hr	LC50	4.6	PPM	3.9-5.5
Fenitrothion	122-14-5	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	75	48 hr	LC50	1.5	PPB	N.R.
Fenitrothion	122-14-5	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	75	96 hr	EC50	450	PPB	N.R.
Fenitrothion	122-14-5	Crustacea	Water flea	Daphnia magna	1st-I	F	76.8	48 hr	EC50	2.3	PPB	1.0-3.6

Fenitrothion	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	78	96 hr	LC50	3.75	PPM	3.41-4.12
Fenitrothion	122-14-5	Crustacea	Water flea	Daphnia magna	1st-I	S	87.3	48 hr	EC50	24	PPB	20-31
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	87.3	96 hr	LC50	2.4	PPM	2.0-2.9
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	87.3	96 hr	LC50	2.3	PPM	1.8-2.9
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	2.0 g	F	87.3	96 hr	LC50	1.3	PPM	1.1-1.4
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	EyedLv	S	87.3	96 hr	LC50	16	PPM	8.8-29.0
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Finglg	S	87.3	96 hr	LC50	2.4	PPM	2.0-2.9
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	SwmFry	S	87.3	96 hr	LC50	2.4	PPM	2.0-2.9
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	SacFry	S	87.3	96 hr	LC50	4.3	PPM	3.6-5.1
Fenitrothion	122-14-5	Fishes	Fathead minnow	Pimephales promelas	1.0 g	S	87.3	96 hr	LC50	4.8	PPM	3.8-6.1
Fenitrothion	122-14-5	Fishes	Channel catfish	Ictalurus punctatus	4.7 g	S	87.3	96 hr	LC50	4.8	PPM	3.7-6.2
Fenitrothion	122-14-5	Fishes	Channel catfish	Ictalurus punctatus	SwmFry	S	87.3	96 hr	LC50	1.4	PPM	1.12-1.76
Fenitrothion	122-14-5	Fishes	Channel catfish	Ictalurus punctatus	SacFry	S	87.3	96 hr	LC50	3.8	PPM	3.0-4.8
Fenitrothion	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	87.3	96 hr	LC50	1.3	PPM	0.9-1.7
Fenitrothion	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	87.3	96 hr	LC50	2.6	PPM	2.3-2.9
Fenitrothion	122-14-5	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	11	PPB	5.0-21.0
Fenitrothion	122-14-5	Crustacea	Scud	Gammarus fasciatus	Mat	S	95	96 hr	LC50	3	PPB	N.R.
Fenitrothion	122-14-5	Crustacea	Scud	Gammarus pseudolimnaeus	Mat	S	95	96 hr	LC50	3	PPB	N.R.
Fenitrothion	122-14-5	Crustacea	Scud	Gammarus pseudolimnaeus	Juv	S	95	96 hr	LC50	4.3	PPB	2.1-8.6
Fenitrothion	122-14-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	N.R.	S	95	96 hr	LC50	2.8	PPM	2.34-3.55
Fenitrothion	122-14-5	Fishes	Coho salmon	Oncorhynchus kisutch	0.6 g	S	95	96 hr	LC50	5	PPM	4.1-6.1
Fenitrothion	122-14-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.7 g	S	95	96 hr	LC50	2.57	PPM	2.06-3.2
Fenitrothion	122-14-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0 g	S	95	96 hr	LC50	2.78	PPM	2.38-3.25
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	95	96 hr	LC50	2.4	PPM	2.0-2.9
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	95	96 hr	LC50	1.9	PPM	1.4-2.58
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	95	96 hr	LC50	0.78	PPM	0.58-1.06
Fenitrothion	122-14-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	95	96 hr	LC50	2	PPM	1.51-2.64

Fenitrothion	122-14-5	Fishes	Atlantic salmon	Salmo salar	0.6 g	S	95	96 hr	LC50	2.05	PPM	1.57-2.68
Fenitrothion	122-14-5	Fishes	Atlantic salmon	Salmo salar	0.2 g	S	95	96 hr	LC50	0.87	PPM	0.78-0.97
Fenitrothion	122-14-5	Fishes	Brook trout	Salvelinus fontinalis	0.4 g	S	95	96 hr	LC50	2	PPM	1.6-2.5
Fenitrothion	122-14-5	Fishes	Brook trout	Salvelinus fontinalis	1.5 g	S	95	96 hr	LC50	1.72	PPM	1.39-2.13
Fenitrothion	122-14-5	Fishes	Goldfish	Carassius auratus	1.0 g	S	95	96 hr	LC50	2.8	PPM	1.6-4.7
Fenitrothion	122-14-5	Fishes	Fathead minnow	Pimephales promelas	1.0 g	S	95	96 hr	LC50	3.2	PPM	2.4-4.2
Fenitrothion	122-14-5	Fishes	Channel catfish	Ictalurus punctatus	1.6 g	S	95	96 hr	LC50	3.7	PPM	2.3-5.9
Fenitrothion	122-14-5	Fishes	Green sunfish	Lepomis cyanellus	0.8 g	S	95	96 hr	LC50	4.1	PPM	2.9-5.9
Fenitrothion	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	95	96 hr	LC50	2.5	PPM	2.0-3.09
Fenitrothion	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	95	96 hr	LC50	2	PPM	1.54-2.5
Fenitrothion	122-14-5	Fishes	Yellow perch	Perca flavescens	2.6 g	S	95	96 hr	LC50	5.8	PPM	4.3-7.8
Fenitrothion	122-14-5	Crustacea	Prawn	Macrobrachium nipponense	Adult	S	Tech	96 hr	LC50	2	PPB	N.R.
Fenitrothion (degradate)	122-14-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	87.3	96 hr	LC50	4.3	PPM	3.6-5.1
Fenoxaprop-ethyl	66441-23-4	Fishes	Bluegill sunfish	Lepomis macrochirus	2.01 g	S	95.8	96 hr	LC50	0.31	PPM	0.26-0.35
Fenoxaprop-ethyl	66441-23-4	Crustacea	Water flea	Daphnia magna	1st-I	S	96	48 hr	EC50	3.18	PPM	1.79-7.36
Fenoxaprop-ethyl	66441-23-4	Fishes	Brown trout	Salmo trutta	0.75 g	S	96	96 hr	LC50	0.48	PPM	0.45-0.52
Fenoxaprop-ethyl	66441-23-4	Fishes	Pumpkinseed sunfish	Lepomis gibbosus	2.28 g	S	96	96 hr	LC50	0.36	PPM	0.32-0.41
Fenoxaprop-ethyl	66441-23-4	Crustacea	Crayfish	Procambarus simulans	Juv	S	96.5	96 hr	LC50	1.1	PPM	0.74-1.5
Fenoxaprop-ethyl	66441-23-4	Crustacea	Mysid	Americamysis bahia	Juv	S	96.5	96 hr	LC50	0.098	PPM	0.068-0.15
Fenoxaprop-ethyl	66441-23-4	Mollusca	Eastern oyster	Crassostrea virginica	Embryo	S	96.5	48 hr	EC50	0.25	PPM	0.15-0.38
Fenoxaprop-ethyl	66441-23-4	Mollusca	Quahog clam	Mercenaria mercenaria	Emb-Lv	S	96.5	48 hr	EC50	0.2	PPM	0.11-0.35
Fenoxaprop-ethyl	66441-23-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.8	96 hr	LC50	0.107	PPM	0.095-0.122
Fenoxaprop-P metabolite	71283-80-2	Crustacea	Water flea	Daphnia magna	24 hr	S	95.6	48 hr	EC50	126	PPM	100-180
Fenoxaprop-p-ethyl	71283-80-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	89.5	96 hr	LC50	0.11	PPM	0.091-0.13
Fenoxaprop-p-ethyl	71283-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	2.1 g	S	95.6	96 hr	LC50	0.58	PPM	0.42-0.75
Fenoxaprop-p-ethyl	71283-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	4.1 g	S	95.6	96 hr	LC50	0.46	PPM	0.32-0.56
Fenoxaprop-p-ethyl	71283-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	95.6	96 Hr	LC50	0.58	PPM	N.R.

Fenoxaprop-P-Ethyl F096918 metabolite	71283-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.89 g	SR	99	96 hr	LC50	317.5	PPM	226.5-445
Fenoxycarb	72490-01-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	0.4	PPM	0.31-0.55
Fenoxycarb	72490-01-8	Fishes	Rainbow trout	Oncorhynchus mykiss	4.05 g	S	95	96 hr	LC50	1.6	PPM	1.4-1.7
Fenoxycarb	72490-01-8	Fishes	Bluegill sunfish	Lepomis macrochirus	4.2 g	S	95	96 hr	LC50	1.86	PPM	1.4-2.4
Fenoxycarb	72490-01-8	Fishes	Common carp	Cyprinus carpio	3 g	S	95	96 hr	LC50	2.7	PPM	2.2-3.0
Fenoxycarb	72490-01-8	Crustacea	Grass shrimp	Palaemonetes pugio	0.07 g	SR	96	96 hr	LC50	2.2	PPM	1.7-2.5
Fenoxycarb	72490-01-8	Fishes	Atlantic silverside	Menidia menidia	0.03g	SR	96	96 hr	LC50	1.074	PPM	0.94-1.18
Fenoxycarb	72490-01-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	SR	96	48 hr	EC50	0.15	PPM	0.1-0.17
Fenoxycarb	72490-01-8	Crustacea	Water flea	Daphnia magna	Juv	F`	97.8	48 Hr	EC50	0.52	PPM	0.46-0.60
Fenoxycarb	72490-01-8	Crustacea	Mysid	Americamysis bahia	Juv	F	97.8	96 Hr	LC50	0.35	PPM	0.22-0.53
Fenoxycarb	79127-80-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.55 g	F	97.8	96 Hr	LC50	0.74	PPM	0.62-0.80
Fenoxycarb	72490-01-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	97.8	96 Hr	LC50	1.1	PPM	0.90-1.2
Fenoxycarb	72490-01-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.24 g	F	97.8	96 hr	LC50	0.66	PPM	0.60-0.72
Fenoxycarb	72490-01-8	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.8	96 hr	EC50	0.63	PPM	0.60-0.67
Fenoxyprop-P-ethyl	71283-80-2	Fishes	Fathead minnow	Pimephales promelas	0.5 g	F	94.5	96 hr	LC50	573	PPB	308-858
Fenoxyprop-P-ethyl	71283-80-2	Fishes	Fathead minnow	Pimephales promelas	0.5 g	F	94.5	96 hr	LC50	497	PPB	417-606
Fenpropathrin	39515-41-8	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	89	96 hr	LC50	2.3	PPB	1.7-3.1
Fenpropathrin	39515-41-8	Crustacea	Mysid	Americamysis bahia	Juv	S	90	96 hr	LC50	0.021	PPB	0.018-.025
Fenpropathrin	39515-41-8	Crustacea	Water flea	Daphnia magna	1st-I	S	91.4	48 hr	EC50	0.53	PPB	0.46-0.63
Fenpropathrin	39515-41-8	Crustacea	Fiddler crab	Uca pugilator	Adult	S	91.4	96 hr	LC50	5.2	PPB	3.7-7.1
Fenpropathrin	39515-41-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	91.4	96 hr	LC50	2.2	PPB	1.3-3.6
Fenpropathrin	39515-41-8	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	91.4	96 hr	LC50	5.5	PPB	4.5-6.8
Fenpropathrin	39515-41-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	91.4	96 hr	LC50	3.1	PPB	2.4-4.0
Fenpropathrin	39515-41-8	Fishes	Fathead minnow	Pimephales promelas	N.R.	F	93.7	96 hr	LC50	2.37	PPB	2.04-2.83
Fenpropimorph	67564-91-4	Crustacea	Water flea	Daphnia magna	LifCyc	F	95.4	21 D	EC50	360	PPB	280-520

Fenpropimorph	67564-91-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.6	48 hr	EC50	2380	PPB	1720-3940
Fenpropimorph	67564-91-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	S	96.6	96 hr	LC50	3460	PPB	2260-4580
Fenpropimorph	67564-91-4	Fishes	Bluegill sunfish (adult)	Lepomis macrochirus	5.1 g	S	96.6	96 hr	LC50	2110	PPB	1490-2980
Fenpyrazamine	473798-59-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.7	48 hr	EC50	5.5	PPM	4.6-6.5
Fenpyrazamine	473798-59-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.7 g	S	94.7	96 hr	LC50	5.4	PPM	3.4-6.9
Fenpyrazamine	473798-59-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	F	94.7	96 hr	LC50	5.2	PPM	3.8-7.8
Fenpyrazamine	473798-59-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.8	96 hr	LC50	0.83	PPM	0.62-1.2
Fenpyrazamine	473798-59-3	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98.8	96 hr	EC50	0.78	PPM	0.58-1.1
Fenpyroximate	134098-61-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.6	96 hr	LC50	3.7	PPB	2.2-7.7
Fenpyroximate	134098-61-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.8 g	F	98.6	96 Hr	LC50	2	PPB	1.7-2.2
Fenpyroximate	134098-61-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.35	48 hr	EC50	3.6	PPB	2.9-4.6
Fenpyroximate	134098-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	49 mm	F	99.35	96 hr	LC50	1.1	PPB	0.89-1.4
Fenpyroximate M-3 Metabolite	134098-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.85 g	S	99.6	96 hr	LC50	6.2	PPM	3.0-28
Fenpyroximate M-3 Metabolite	134098-61-6	Crustacea	Waterflea	Daphnia magna	<24hr	S	99.9	48 hr	EC50	13.05	PPM	9.5-20.0
Fenridazone-sodium (RH-5148)	83588-43-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	188	PPM	155-227
Fenridazone-sodium (RH-5148)	83588-43-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.79g	S	96	96 hr	LC50	141.3	PPM	125.9-158.6
Fenridazone-sodium (RH-5148)	83588-43-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	96	96 hr	LC50	266.5	PPM	228.5-310.8
Fenthion	55-38-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	5.7	PPB	4.1-7.8
Fenthion	55-38-9	Crustacea	Blue crab	Callinectes sapidus	Mat.	F	93	48hr	EC50	2.3	PPB	N.R.
Fenthion	55-38-9	Crustacea	Mysid	Americamysis bahia	Juv	F	93	96hr	LC50	0.15	PPB	0.12-0.18
Fenthion	55-38-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	93	48hr	LC50	0.024	PPB	N.R.
Fenthion	55-38-9	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	93	96hr	LC50	0.11	PPB	0.09-0.12
Fenthion	55-38-9	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	93	48hr	LC50	4.7	PPB	3.5-5.7
Fenthion	55-38-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	93	96hr	LC50	840	PPB	720-980
Fenthion	55-38-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	14 d	S	93	48hr	LC50	1900	PPB	1700-2200
Fenthion	55-38-9	Fishes	Inland silverside	Menidia beryllina	14 d	S	93	48hr	LC50	2200	PPB	1900-2400
Fenthion	55-38-9	Fishes	Spot	Leiostomus xanthurus	Juv	F	93	48hr	LC50	1200	PPB	N.R.

Fenthion	55-38-9	Fishes	Striped mullet	Mugil cephalus	Juv	F	93	48hr	LC50	1600	PPB	N.R.
Fenthion	55-38-9	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	93	96 hr	LC50	3200	PPB	2700-3800
Fenthion	55-38-9	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	93	96hr	EC50	340	PPB	N.R.
Fenthion	55-38-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.9	48 hr	EC50	5.2	PPB	4.5-6.0
Fenthion	55-38-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.9 g	F	96.9	96 hr	LC50	1700	PPB	950-3600
Fenthion	55-38-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	F	96.9	96 hr	LC50	830	PPB	490-1100
Fenthion	55-38-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.9	96 hr	EC50	321	PPB	298-345
Fenthion	55-38-9	Crustacea	Water flea	Daphnia pulex	1st-I	S	97	48hr	EC50	0.8	PPB	0.56-1.2
Fenthion	55-38-9	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	97	48hr	EC50	0.62	PPB	0.44-0.87
Fenthion	55-38-9	Crustacea	Scud	Gammarus lacustris	Mat.	S	97	96hr	LC50	8.4	PPB	5.0-12.0
Fenthion	55-38-9	Crustacea	Sowbug	Asellus brevicaudus	Mat.	S	97	96hr	LC50	1800	PPB	1100-4900
Fenthion	55-38-9	Crustacea	Crayfish	Orconectes nais	Juv.	S	97	5 d	LC50	50	PPB	35-90
Fenthion	55-38-9	Crustacea	Mysid	Americamysis bahia	<24hr	F	97	96hr	LC50	0.222	PPB	0.189-0.268
Fenthion	55-38-9	Crustacea	Scud	Gammarus fasciatus	Mat.	S	97	96hr	LC50	110	PPB	80-150
Fenthion	55-38-9	Crustacea	Crayfish	Orconectes nais	3-5WKS	S	97	24 hr	LC50	350	PPB	290-460
Fenthion	55-38-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	F	97	96hr	LC50	1200	PPB	870-1400
Fenthion	55-38-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	4.5 g	F	97	96hr	LC50	1150	PPB	1020-1300
Fenthion	55-38-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.4 g	S	97	96hr	LC50	1020	PPB	830-1250
Fenthion	55-38-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	97	96hr	LC50	550	PPB	N.R.
Fenthion	55-38-9	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.2 g	S	97	96hr	LC50	1580	PPB	1290-1930
Fenthion	55-38-9	Fishes	Lake trout	Salvelinus namaycush	2.0 g	S	97	96hr	LC50	1450	PPB	1220-1730
Fenthion	55-38-9	Fishes	Largemouth bass	Micropterus salmoides	1.4 g	F	97	96hr	LC50	1220	PPB	736-2010
Fenthion	55-38-9	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	110	PPB	80-150
Fenvalerate	51630-58-1	Crustacea	Scud	Gammarus pseudolimnaeus	3rd-I	S	90	96 hr	LC50	0.032	PPB	0.02-0.05
Fenvalerate	51630-58-1	Fishes	Channel catfish	Ictalurus punctatus	0.7g	F	90	96 hr	LC50	2.4	PPB	1.9-3.0
Fenvalerate	51630-58-1	Fishes	Mosquitofish	Gambusia affinis	< 3D	S	92.1	72 hr	LC50	2.6	PPB	N.R.
Fenvalerate	51630-58-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	92.1	96 hr	LC50	1.2	PPB	.95-1.5
Fenvalerate	51630-	Fishes	Fathead minnow	Pimephales promelas	N.R.	SR	93.5	96 hr	LC50	0.33	PPB	0.22-0.43

	58-1											
Fenvalerate	51630-58-1	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	95	96 hr	LC50	1.4	PPB	0.36-5.3
Fenvalerate	51630-58-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.6	48 hr	EC50	0.05	PPB	0.042-0.059
Fenvalerate	51630-58-1	Fishes	Fathead minnow	Pimephales promelas	0.02 g	S	98	96 hr	LC50	0.18	PPB	0.13-0.36
Fenvalerate	51630-58-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	98.8	96 hr	LC50	0.26	PPB	0.20-0.38
Fenvalerate	51630-58-1	Crustacea	Mysid	Americamysis bahia	Juv	F	100	96 hr	LC50	0.008	PPB	0.005-0.01
Fenvalerate	51630-58-1	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	100	96 hr	LC50	0.84	PPB	0.66-1.2
Fenvalerate	51630-58-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	100	96 hr	LC50	4.4	PPB	3.4-4.8
Fenvalerate	51630-58-1	Fishes	Atlantic silverside	Menidia menidia	Adult	F	100	96 hr	LC50	0.314	PPB	.21-.40
Fenvalerate	51630-58-1	Fishes	Gulf toadfish	Opsanus beta	Juv	F	100	96 hr	LC50	2.4	PPB	2.2-3.4
Fenvalerate	51630-58-1	Fishes	Inland silverside	Menidia beryllina	L26 D	F	100	96 hr	LC50	1	PPB	0.86-1.3
Fenvalerate	51630-58-1	Fishes	Striped mullet	Mugil cephalus	Juv	F	100	96 hr	LC50	0.58	PPB	0.41-1.0
Fenvalerate	51630-58-1	Fishes	California grunion	Leuresthes tenuis	Larvae	F	100	96 hr	LC50	0.29	PPB	0.21-0.37
Fenvalerate	51630-58-1	Fishes	California grunion	Leuresthes tenuis	Juv	F	100	96 hr	LC50	0.6	PPB	0.46-0.75
Fenvalerate	51630-58-1	Crustacea	Fiddler crab	Uca pugilator	N.R.	S	Tech	96 hr	LC50	53	PPB	17-172
Fenvalerate (82.8% esfenvalerate ss isomer)	51630-58-1	Crustacea	Water flea	Daphnia magna	< 24hr	SR	98.6	48 hr	EC50	0.24	PPB	0.19-0.30
Fenvalerate (Pydrin)	51630-58-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.59 g	S	92.1	96 hr	LC50	1.01	PPB	0.77-1.31
Fenvalerate (Pydrin)	51630-58-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.67 g	S	92.1	96 hr	LC50	0.63	PPB	0.44-0.90
Fenvalerate (Pydrin)	51630-58-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.12 g	S	94	96 hr	LC50	0.7	PPB	0.56-1.0
Fenvalerate (Pydrin)	51630-58-1	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	95	96 hr	LC50	0.81	PPB	0.68-0.97
Fenvalerate (Pydrin)	51630-58-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	Tech	96 hr	LC50	0.42	PPB	0.30-0.59
Fenvalerate (Pydrin)	51630-58-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.64	PPB	0.55-0.75
Fenvalerate (Pydrin)	51630-58-1	Fishes	Rainbow trout	Oncorhynchus mykiss	20 g	S	Tech	96 hr	LC50	6.2	PPB	N.R.
Fenvalerate (Pydrin)	51630-58-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	20 mm	S	Tech	96 hr	LC50	430	PPB	130-1400
Fenvalerate Pydrin	51630-58-1	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	96	96 hr	LC50	1.13	PPB	0.92-1.38

Ferbam	14484-64-1	Fishes	Longnose killifish	Fundulus similis	Juv	S	76	48 hr	LC50	0.8	PPM	N.R.
Ferbam	14484-64-1	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	76	96 hr	EC50	52	PPB	N.R.
Ferrous sulfate heptahydrate	7782-63-0	Crustacea	Water flea	Daphnia pulex	<24 hr	S	98.8	48 hr	EC50	7.1	PPM	6.5-8.8
Ferrous sulfate heptahydrate	7782-63-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.72 g	S	98.8	96 hr	LC50	51.2	PPM	35-65
Ferrous sulfate heptahydrate	7782-63-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	98.8	96 hr	LC50	20.8	PPM	3.3-26.5
Ferrous sulfate monohydrate	17375-41-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.7	48 hr	EC50	160	PPM	139-185
Ferrous sulfate monohydrate	17375-41-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.76 g	S	95.7	96 hr	LC50	51.3	PPM	41.8-63.2
Ferrous sulfate monohydrate	17375-41-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.51 g	S	95.7	96 hr	LC50	44	PPM	36-60
Fipronil	120068-37-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	770	PPB	180-1700
Fipronil	120068-37-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.1	96 hr	LC50	0.14	PPB	0.12-0.16
Fipronil	120068-37-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.29 g	F	96.1	96 hr	LC50	130	PPB	110-130
Fipronil	120068-37-3	Fishes	Channel catfish	Ictalurus punctatus	1.7 g	F	97	96 hr	LC50	560	PPB	320-1200
Fipronil	120068-37-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	190	PPB	110-280
Fipronil	120068-37-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.98 g	F	100	96 hr	LC50	246	PPB	205-342
Fipronil	120068-37-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.22 g	F	100	96 hr	LC50	83	PPB	72-98
Fipronil MB 45950 metabolite	120068-37-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	100	PPB	81-130
Fipronil MB 46136 metabolite	120068-37-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	F	99.2	96 hr	LC50	25	PPB	21-30
Fipronil MB 46136 metabolite	120068-37-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.55 g	F	99.2	96 hr	LC50	39	PPB	34-43
Fipronil MB 46136 metabolite	120068-37-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	29	PPB	20-38
Fipronil(45950 degradate)	120068-37-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99.7	96 hr	LC50	0.077	PPB	0.03-0.12
Fipronil(46136 degradate)	120068-37-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97.7	96 hr	LC50	0.056	PPB	0.03-0.12
Fipronil(46513 degradate)	120068-37-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97.8	96 hr	LC50	1.5	PPB	0.66-2.5
Fipronil(46513 degradate)	120068-37-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.51 g	SR	98.6	96 hr	LC50	20	PPB	17-25
Fipronil(46513 degradate)	120068-37-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.85 g	SR	98.6	96 hr	LC50	31	PPB	17-42
Flazasulfuron	104040-78-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.7	96 hr	LC50	107	PPM	89-150
Flazasulfuron	104040-	Fishes	Rainbow trout	Oncorhynchus	0.61 g	F	96.7	96 hr	LC50	115	PPM	92-183

	78-0			mykiss								
Flazasulfuron DTPP degradate	104040-78-0	Fishes	Zebrafish	Danio rerio	0.4 g	SR	99	96 hr	LC50	133.5	PPM	90-198
Flazasulfuron DTPU Degradate	104040-78-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	166	PPM	126-219
Flazasulfuron DTPU degradate	104040-78-0	Fishes	Zebrafish	Danio rerio	0.16 g	SR	99	96 hr	LC50	105.7	PPM	66.2-173.3
Fluazifop-butyl	69806-50-4	Fishes	Fathead minnow	Pimephales promelas	<24 hr	S	90.2	96 hr	LC50	0.37	PPM	0.32-0.44
Fluazifop-butyl	69806-50-4	Fishes	Rainbow trout	Oncorhynchus mykiss	NR	F	93.7	96 hr	LC50	1.41	PPM	1.3-1.54
Fluazifop-butyl	69806-50-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.8	48 hr	EC50	281.2	PPM	243.1-325.2
Fluazifop-butyl	69806-50-4	Fishes	Rainbow trout	Oncorhynchus mykiss	6.2 g	S	98	96 hr	LC50	117	PPM	108-127
Fluazifop-butyl	69806-50-4	Fishes	Bluegill sunfish	Lepomis macrochirus	4.13 g	F	98.6	96 hr	LC50	0.53	PPM	0.36-0.77
Fluazifop-butyl (PP009)	69806-50-4	Crustacea	Mysid	Americamysis bahia	6-8 D	F	98.6	96 hr	LC50	216	PPB	176-268
Fluazifop-butyl (PP009)	69806-50-4	Crustacea	Mysid	Americamysis bahia	LifCyc	F	98.6	28 D	LC50	77.7	PPB	56.2-111.9
Fluazifop-butyl (PP009)	69806-50-4	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	F	98.6	48 hr	LC50	97	PPB	91-105
Fluazifop-P-butyl	79241-46-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90	96 hr	EC50	0.47	PPM	0.39-0.58
Fluazifop-P-butyl	79241-46-6	Crustacea	Mysid	Americamysis bahia	N.R.	F	92.2	96 hr	LC50	0.51	PPM	0.42-0.62
Fluazinam	79622-59-6	Fishes	Common carp	Cyprinus carpio	1.2 g	S	96.5	96 hr	LC50	145	PPB	120-222
Fluazinam	79622-59-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.8	48 hr	EC50	222	PPB	190-300
Fluazinam	79622-59-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.8	96 hr	LC50	39	PPB	34-45
Fluazinam	79622-59-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	F	96.8	96 hr	LC50	52.7	PPB	47.1-59.0
Fluazinam	79622-59-6	Fishes	Rainbow trout	Oncorhynchus mykiss	2.0 g	F	96.8	96 hr	LC50	36	PPB	33-56
Fluazinam	79622-59-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.41 g	F	96.8	96 hr	LC50	0.12	PPM	0.08-0.24
Fluazinam	79622-59-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.8	96 hr	EC50	4.7	PPB	3.6-6.0
Fluazinam	79622-59-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.54 g	F	97.3	96 hr	LC50	110	PPB	100-130
Fluazinam	79622-59-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.5	48 hr	EC50	180	PPB	140-222
Fluchloralin (uses canceled in U.S.)	33245-39-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	560	PPB	300-900
Fluchloralin (uses canceled in U.S.)	33245-39-5	Crustacea	Scud	Gammarus pseudolimnaeus	Juv	S	98	96 hr	LC50	56	PPB	47.6-65.8
Fluchloralin (uses canceled in U.S.)	33245-39-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	98	96 hr	LC50	62	PPB	37.9-101.5

Fluchloralin (uses canceled in U.S.)	33245-39-5	Fishes	Channel catfish	Ictalurus punctatus	0.6 g	S	98	96 hr	LC50	390	PPB	250-610
Fluchloralin (uses canceled in U.S.)	33245-39-5	Fishes	Bluegill sunfish	Lepomis macrochirus	.5-3 g	S	99	96 hr	LC50	16	PPB	14.8-17.2
Fluchloralin (uses canceled in U.S.)	33245-39-5	Fishes	Rainbow trout	Oncorhynchus mykiss	.5-3 g	S	99	96 hr	LC50	12	PPB	10.6 - 13.4
Flucythrinate	70124-77-5	Crustacea	Water flea	Daphnia magna	N.R.	S	77	48 hr	EC50	8.3	PPB	6.5-10.6
Flucythrinate	70124-77-5	Crustacea	Mysid	Americamysis bahia	24 hr	F	77	96 hr	LC50	0.008	PPB	0.006-.01
Flucythrinate	70124-77-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	77	96 hr	LC50	0.27	PPB	0.17-0.91
Flucythrinate	70124-77-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	77	96 hr	LC50	1.6	PPB	0.81-2.6
Flucythrinate	70124-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.81g	S	77	96 hr	LC50	0.48	PPB	0.42-0.55
Flucythrinate	70124-77-5	Fishes	Inland silverside	Menidia beryllina	Juv	S	77	96 hr	LC50	0.42	PPB	0.37-0.47
Flucythrinate	70124-77-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	77	96 hr	LC50	1.1	PPB	0.38-1.3
Flucythrinate	70124-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	3.8 g	S	77.1	96 hr	LC50	0.385	PPB	0.32-0.43
Flucythrinate	70124-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80	96 hr	LC50	0.32	PPB	0.25-0.40
Flucythrinate	70124-77-5	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	80	96 hr	LC50	1.2	PPB	1.0-2.0
Flucythrinate	70124-77-5	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	80	96 hr	LC50	0.49	PPB	0.32-1.0
Flucythrinate	70124-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	0.7	PPB	0.56-1.0
Flucythrinate	70124-77-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	80.6	96 hr	LC50	0.28	PPB	0.20-0.41
Flucythrinate	70124-77-5	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	80.6	48 hr	EC50	31	PPB	28-35
Fludioxonil (CGA-173506)	131341-86-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.77 g	F	97.5	96 hr	LC50	0.73	PPM	0.62-0.96
Fludioxonil(Maxim 4FS)	131341-86-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.4	48 hr	EC50	0.9	PPM	0.75-1.01
Fludioxonil(Maxim 4FS)	131341-86-1	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.4	96 hr	LC50	0.27	PPM	0.24-0.37
Fludioxonil(Maxim 4FS)	131341-86-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.45 g	S	95.4	96 hr	LC50	0.47	PPM	0.38-0.69
Fludioxonil(Maxim 4FS)	131341-86-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.32 g	S	95.4	96 hr	LC50	1.2	PPM	0.93-1.5
Fludioxonil(Maxim 4FS)	131341-86-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.77 g	S	97.5	96 hr	LC50	0.74	PPM	0.62-0.96
Fludioxonil(Maxim 4FS)	131341-86-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.5	96 hr	EC50	0.329	PPM	0.26-0.45
Flufenacet	142459-58-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.8	48 D	EC50	30.9	PPM	17.7-47.9
Flufenacet	142459-	Fishes	Sheephead minnow	Cyprinodon	0.39 g	SR	96.8	96 Hr	LC50	3.38	PPM	2.77-4.12

	58-3			variegatus								
Flufenacet	142459-58-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.67 g	F	97.4	96 Hr	LC50	2.4	PPM	1.17-6.42
Flufenacet	142459-58-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.48 g	F	97.4	96 Hr	LC50	3.49	PPM	2.7-4.6
Flufenacet	142459-58-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.2	96 hr	LC50	2.72	PPM	1.78-3.51
Flufenacet	142459-58-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.2	96 hr	EC50	12.6	PPM	11.96-13.46
Flufenacet	142459-58-3	Crustacea	Amphipod	Hyalella azteca	10 D	S	98.8	96 Hr	LC50	2.8	PPM	2.18-3.51
Flufenacet	142459-58-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.39 g	SR	98.8	96 hr	LC50	5.84	PPM	3.38-7.14
Flufenacet	142459-58-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	SR	98.8	96 Hr	LC50	2.26	PPM	2.01-2.61
Flufenacet thiadone metabolite	84352-75-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	31.7	PPM	26.5-38.2
Flufenacet thiadone metabolite	84352-75-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.32 g	S	99.4	96 hr	LC50	15.3	PPM	12.7-18.3
Flufenacet thiadone metabolite	84352-75-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.63 g	S	99.6	96 hr	LC50	18.6	PPM	14.9-28
Flufenacet thiadone metabolite	84352-75-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.92 g	S	99.6	96 hr	LC50	8.4	PPM	6.6-10.5
Flufenpyr-ethyl	188489-07-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.45 g	F	96.8	96 hr	LC50	3.7	PPM	2.7-5.2
Flufenpyr-ethyl	188489-07-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97	96 hr	LC50	2.1	PPM	1.9-2.4
Flufenpyr-ethyl	188489-07-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	97	96 hr	LC50	2.5	PPM	1.6-4.7
Flumetralin	62924-70-3	Crustacea	Mysid	Americamysis bahia	<=24hr	F	97.7	96 hr	LC50	94	PPB	80-120
Flumetralin	62924-70-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.73 g	F	97.7	96 hr	LC50	23	PPB	20-26
Flumetralin	62924-70-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99.5	96 H	LC50	17.9	PPB	N.R.
Flumetralin	62924-70-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99.5	96 H	LC50	24	PPB	N.R.
Flumetsulam	98967-40-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.6	48 hr	EC50	254	PPM	249-257
Flumiclorac	87546-18-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.6	96 hr	LC50	0.56	PPM	0.46-0.68
Flumiclorac	87546-18-7	Fishes	Rainbow trout	Oncorhynchus mykiss	2.28 g	F	94.7	96 hr	LC50	1.1	PPM	0.87-1.5
Flumiclorac	87546-18-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.30 g	F	94.7	96 Hr	LC50	17.4	PPM	13-21
Flumioxazin	103361-09-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	93.8	96 hr	EC50	2400	PPB	1880-3390
Flumioxazin	103361-09-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.3	96 hr	LC50	230	PPB	190-280
Flumioxazin	103361-09-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.7	48 hr	EC50	5.5	PPM	5.1-6.1

Flumioxazin	103361-09-7	Fishes	Rainbow trout	Oncorhynchus mykiss	2.38 g	F	94.8	96 hr	LC50	2.3	PPM	1.7-2.9
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.58 g	S	80	96 hr	LC50	30.5	PPM	25.5-36.48
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	96.2	96 hr	LC50	14.5	PPM	11.1-19.0
Fluometuron	2164-17-2	Fishes	Channel catfish	Ictalurus punctatus	0.6 g	S	96.2	96 hr	LC50	22.5	PPM	17.1-25.6
Fluometuron	2164-17-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	96.2	96 hr	LC50	42.5	PPM	33.5-53.9
Fluometuron	2164-17-2	Crustacea	Mysid	Americamysis bahia	N.R.	F	97.2	96 hr	LC50	6.8	PPM	5.8-8.0
Fluometuron	2164-17-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	97.2	96 hr	LC50	48	PPM	41-57
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	97.2	96 hr	LC50	30	PPM	26-34
Fluometuron	2164-17-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.37 g	F	97.2	96 hr	LC50	48	PPM	41-57
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.19 g	F	97.2	96 hr	LC50	26.2	PPM	18.5-37.1
Fluometuron	2164-17-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.2	96 hr	EC50	22	PPM	21-24
Fluometuron	2164-17-2	Crustacea	Mysid	Americamysis bahia	24 hr	F	97.5	96 hr	LC50	3.8	PPM	3.3-4.4
Fluometuron	2164-17-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.92 g	S	97.5	96 hr	LC50	55.3	PPM	33.5-81.4
Fluometuron	2164-17-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.5	96 hr	EC50	8.54	PPM	7.98-9.11
Fluometuron	2164-17-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.6	96 hr	EC50	6.53	PPM	5.59-7.61
Fluometuron	2164-17-2	Fishes	Fathead minnow	Pimephales promelas	0.14 g	S	97.8	96 hr	LC50	65	PPM	49 - 95
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.70 g	S	98.7	96 hr	LC50	2.96	PPM	1.95-4.51
Fluometuron	2164-17-2	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	98.7	96 hr	LC50	0.64	PPM	0.32-1.28
Fluometuron	2164-17-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	80 WP	96 hr	LC50	4.3	PPM	3.4-5.5
Fluometuron	2164-17-2	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	80 WP	96 hr	LC50	11.5	PPM	6.9-16.4
Fluometuron	2164-17-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	80 WP	96 hr	LC50	13.5	PPM	10.6-17.3
Fluometuron	2164-17-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	9.9	PPM	8.3-11.9
Fluopicolide	239110-15-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.294g	S	97.1	96 hr	LC50	0.72	PPM	0.54-0.97
Fluopicolide	239110-15-7	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97.7	96 hr	LC50	3.2	PPM	2.8-3.6
Fluopicolide degradate (2,6-dichlorobenamide)	239110-15-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.5	48 hr	EC50	184100	PPB	156000-216000

Fluopicolide(AE C638206)	239110-15-7	Fishes	Zebrafish	Danio rerio	0.25 g	S	96.1	96 hr	LC50	1700	PPB	0.96-inf
Fluopicolide(AE C638206)	239110-15-7	Fishes	Ricefish	Oryzias latipes	2.6 cm	S	96.1	96 hr	LC50	670	PPB	420-950
Fluopicolide(AE C638206)	239110-15-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.32 g	S	97.1	96 hr	LC50	349	PPB	286-426
Fluopicolide(AE C638206)	239110-15-7	Crustacea	Water flea	Daphnia magna	LifCyc	SR	97.7	21 D	EC50	370	PPB	N.A.
Fluopicolide(AE C638206)	239110-15-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.57 g	S	97.7	96 hr	LC50	410	PPB	200-580
Fluopicolide(AE C638206)	239110-15-7	Fishes	Common carp	Cyprinus carpio	1.1 g	S	99.4	96 hr	LC50	1300	PPB	900-2000
Fluopyram	658066-35-4	Fishes	Common carp	Cyprinus carpio	1.9 g	S	94.7	96 hr	LC50	42.9	PPM	33.4-60.6
Fluoxastrobin	361377-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.9	48 h	EC50	0.48	PPM	0.42-0.54
Fluoxastrobin	361377-29-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5g	S	95.9	96 h	LC50	970	PPB	462-1480
Fluoxastrobin	361377-29-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	95.9	96 h	LC50	435	PPB	261-727
Fluoxastrobin	361377-29-9	Fishes	Common carp	Cyprinus carpio	1 g	S	96.2	96 h	LC50	0.484	PPM	0.338-0.693
Fluoxastrobin	361377-29-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.5	96 h	LC50	51.6	PPB	43.5-63.8
Fluoxastrobin	361377-29-9	Crustacea	Freshwater Isopod	Asellus aquaticus	Adult	S	96.5	48 h	LC50	1.61	PPM	1.35-1.97
Fluoxastrobin	361377-29-9	Crustacea	Cyclopidae	Acanthocyclops venustus	Adult	S	96.5	48 h	LC50	0.97	PPM	0.51-2.7
Fluoxastrobin	361377-29-9	Crustacea	Water flea	Daphnia galeata	Adult	S	96.5	48 h	LC50	1.58	PPM	NA
Fluoxastrobin	361377-29-9	Crustacea	Scud	Gammarus pulex	Adult	S	96.5	48 h	LC50	0.12	PPM	0.07-0.20
Fluoxastrobin	361377-29-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	96.5	96 h	LC50	830	PPB	720-950
Fluoxastrobin	361377-29-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.7	48 h	EC50	0.87	PPM	NA
Fluridone	59756-60-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	97	96 hr	LC50	11.7	PPM	5-14
Fluridone	59756-60-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	5.2	PPM	3.2-10
Fluridone	59756-60-4	Crustacea	Water flea	Daphnia magna	24 Hr	S	98	48 Hr	EC50	6.3	PPM	1.6-11
Fluridone	59756-60-4	Crustacea	Scud	Gammarus pseudolimnaeus	Mat	S	98	96 hr	LC50	2.1	PPM	0.9-5.0
Fluridone	59756-60-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	98	96 hr	LC50	4.25	PPM	3.35-5.39
Fluridone	59756-60-4	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	98	96 hr	LC50	22	PPM	17-28
Fluridone	59756-60-4	Fishes	Channel catfish	Ictalurus punctatus	0.4 g	S	98	96 hr	LC50	7.5	PPM	6.1-9.2
Fluridone	59756-	Fishes	Bluegill sunfish	Lepomis	0.5 g	S	98	96 hr	LC50	13	PPM	9.9-17.1

	60-4			macrochirus								
Fluridone	59756-60-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	98	96 Hr	LC50	5.1	PPM	4.1-6.4
Fluridone	59756-60-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	98	96 Hr	LC50	6.5	PPM	5.5-7.7
Fluridone	59756-60-4	Fishes	Channel catfish	Ictalurus punctatus	0.65 g	S	98	96 Hr	LC50	7.5	PPM	6.1-9.2
Fluridone	59756-60-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.98 g	S	98	96 Hr	LC50	5.7	PPM	4.5-7.4
Fluridone	59756-60-4	Fishes	Channel catfish	Ictalurus punctatus	0.65 g	S	98	96 Hr	LC50	13	PPM	10-18
Fluridone	59756-60-4	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	98.1	96 hr	LC50	4.54	PPM	3.3-6.7
Fluridone	59756-60-4	Crustacea	Blue crab	Callinectes sapidus	7-30mm	S	98.1	96 hr	LC50	71	PPM	N.R.
Fluridone	59756-60-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	13 mg	F	98.1	96 hr	LC50	10.9	PPM	8-16
Fluridone	59756-60-4	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	98.1	48 hr	EC50	16.5	PPM	15.7-18.1
Fluridone	59756-60-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.47 g	S	99.4	96 hr	LC50	12.03	PPM	11.3-13.1
Fluroxypyr 1-methylheptyl ester	81406-37-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.8	96 hr	EC50	68	PPB	52-90
Fluroxypyr acid	69377-81-7	Fishes	Inland silverside	Menidia beryllina	0.39 g	F	98.7	96 hr	LC50	40	PPM	27-47
Fluroxypyr acid	69377-81-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.7	96 hr	EC50	51	PPM	42-62
Fluroxypyr acid	69377-81-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.74 g	S	98.8	96 hr	LC50	14.3	PPM	11.9-19.1
Flurprimidol	56425-91-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	86.9	96 hr	LC50	18.6	PPM	17.5-19.0
Flurprimidol	56425-91-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	11.8	PPM	10.9-12.9
Flurprimidol	56425-91-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 h	EC50	10.3	PPM	9.6-11.1
Flurprimidol	56425-91-3	Fishes	Rainbow trout	Oncorhynchus mykiss	2.44 g	S	96	96 h	LC50	15.82	PPM	15.08-16.76
Flurprimidol	56425-91-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.56g	S	96	96 h	LC50	15.22	PPM	14.53-16.08
Flurprimidol	56425-91-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	17.2	PPM	16.6-17.8
Fluthiacet methyl	117337-19-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.7	96 hr	LC50	280	PPB	190-480
Fluthiacet methyl	117337-19-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.28 g	F	97.7	96 hr	LC50	140	PPB	130-160
Fluthiacet methyl	117337-19-6	Fishes	Rainbow trout	Oncorhynchus mykiss	2.7 g	F	97.7	96 hr	LC50	43	PPB	37-46
Fluthiacet methyl	117337-19-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.71 g	F	97.7	96 hr	LC50	160	PPB	150-170
Fluthiacet methyl	117337-19-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.7	96 hr	EC50	700	PPB	500-980

Flutolanil	66332-96-5	Fishes	Fathead minnow	Pimephales promelas	0.23 g	S	97.6	96 hr	LC50	4.8	PPM	3.7-6.2
Flutolanil	66332-96-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.44 g	S	97.8	96 hr	LC50	5.4	PPM	3.0-7.0
Flutolanil	66332-96-5	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.9	96 hr	LC50	0.13	PPM	0.08-0.16
Flutolanil	66332-96-5	Fishes	Common carp	Cyprinus carpio	3.0 g	S	Tech	96 hr	LC50	2.5	PPM	2.0-2.9
Flutriafol	76674-21-0	Crustacea	Water flea	Daphnia magna	<24 Hr	S	93	48 Hr	EC50	67.1	PPM	58.8-78
Flutriafol	76674-21-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.69 g	S	93	96 Hr	LC50	33	PPM	23-44
Flutriafol	76674-21-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	F	93	96 Hr	LC50	61.3	PPM	29-125
Flutriafol	76674-21-0	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.1	96 Hr	LC50	34.9	PPM	30.8-47.2
Flutriafol	76674-21-0	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	95.1	96 Hr	EC50	25	PPM	17-38
Fluvalinate	69409-94-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.1	48 hr	EC50	74	PPB	61-89
Fluvalinate	69409-94-5	Crustacea	Mysid	Americamysis bahia	3 D	S	93.1	96 hr	LC50	0.021	PPB	0.017-0.028
Fluvalinate	69409-94-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.18 g	S	93.1	96 hr	LC50	0.89	PPB	0.7-1.1
Fluvalinate	69409-94-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83g	S	93.1	96 hr	LC50	2.9	PPB	2.3-3.6
Fluvalinate	69409-94-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.52g	S	93.1	96 hr	LC50	11	PPB	9-13
Fluvalinate	69409-94-5	Fishes	Common carp	Cyprinus carpio	>5 g	S	93.1	96 hr	LC50	4.8	PPB	3.4-6.6
Fluvalinate	69409-94-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.19 g	S	93.1	96 hr	LC50	2.6	PPB	1.7-6.3
Fluvalinate	69409-94-5	Fishes	Common carp	Cyprinus carpio	3.2 g	S	93.1	96 hr	LC50	2.6	PPB	2.1-3.2
Fluvalinate	69409-94-5	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	93.1	48 hr	EC50	12	PPB	3.6-87.0
Fluvalinate	69409-94-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.2	48 hr	EC50	0.4	PPB	0.30-.57
Fluvalinate	69409-94-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.04g	S	93.2	96 hr	LC50	2.7	PPB	2.2-3.4
Fluvalinate	69409-94-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	93.3	48 hr	EC50	1	PPB	0.89-1.2
Fluvalinate	69409-94-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.75 g	S	97.7	96 hr	LC50	14	PPB	11-19
Folpet	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	75	96 hr	LC50	146	PPB	133-160
Folpet	133-07-3	Crustacea	Water flea	Daphnia magna	<24 hr	SR	82.8	48 hr	EC50	0.09 estimate	PPM	N.A.
Folpet	133-07-3	Crustacea	Water flea	Daphnia magna	1st-I	S	87.5	24 hr	EC50	85	PPB	75-97
Folpet	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Finglg	F	88	96 hr	LC50	52.1	PPB	47.6-56.9

Folpet	133-07-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	88	96 hr	LC50	72	PPB	58-89
Folpet	133-07-3	Fishes	Coho salmon	Oncorhynchus kisutch	1.0 g	S	88	96 hr	LC50	106	PPB	82-137
Folpet	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	88	96 hr	LC50	39	PPB	18-85
Folpet	133-07-3	Fishes	Brown trout	Salmo trutta	0.6 g	F	88	96 hr	LC50	29	PPB	23-36.4
Folpet	133-07-3	Fishes	Brown trout	Salmo trutta	0.58 g	S	88	96 hr	LC50	66	PPB	56-78
Folpet	133-07-3	Fishes	Lake trout	Salvelinus namaycush	Finglg	F	88	96 hr	LC50	24	PPB	21.4-26.8
Folpet	133-07-3	Fishes	Lake trout	Salvelinus namaycush	0.47 g	S	88	96 hr	LC50	86.5	PPB	68-110
Folpet	133-07-3	Fishes	Fathead minnow	Pimephales promelas	0.6 g	F	88	96 hr	LC50	114	PPB	86.4-150
Folpet	133-07-3	Fishes	Fathead minnow	Pimephales promelas	0.28 g	S	88	96 hr	LC50	298	PPB	207-430
Folpet	133-07-3	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	88	96 hr	LC50	108	PPB	59-201
Folpet	133-07-3	Fishes	Smallmouth bass	Micropterus dolomieui	Finglg	S	88	96 hr	LC50	91	PPB	73-113
Folpet	133-07-3	Fishes	Yellow perch	Perca flavescens	0.6 g	S	88	96 hr	LC50	177	PPB	149-210
Folpet	133-07-3	Crustacea	Water flea	Daphnia magna	1st-I	F	90.3	48 hr	EC50	20	PPB	18-24
Folpet	133-07-3	Crustacea	Mysid	Americamysis bahia	2-3 D	F	90.3	96hr	LC50	160	PPB	88-466
Folpet	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.84 g	F	90.3	96 hr	LC50	15	PPB	13-18
Folpet	133-07-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.96 g	F	90.3	96 hr	LC50	47	PPB	33-68
Folpet	133-07-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.067g	F	90.3	96 hr	LC50	65.5	PPB	38.1-87.8
Folpet	133-07-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.3	96 hr	EC50	60	PPB	N.R.
Folpet	133-07-3	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	2500	PPB	1994-3134
Folpet Ortho Phaltan formulation	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	75	24 hr	LC50	170	PPB	156-185
Folpet phthalimide	133-07-3	Crustacea	Mysid	Americamysis bahia	3 D	F	97	96 hr	LC50	12.1	PPM	10.1-14.4
Folpet phthalimide	133-07-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	39	PPM	24-50
Folpet Phthalimide (degradate)	133-07-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	97	96 hr	LC50	47.7	PPM	41.5-56.5
Folpet Phthalimide (degradate)	133-07-3	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	F	97	96 hr	EC50	13.8	PPM	11.9-16.1
Folpet Phthalimide (degradate)	133-07-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	49	PPM	26-66
Folpet Phthalimide (degradate)	133-07-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	SR	98	96 hr	LC50	38	PPM	31-52
Fomesafen sodium salt	108731-70-0	Crustacea	Water flea	Daphnia magna	1st-I	S	97	48 hr	EC50	294	PPM	276-320
Fonofos	944-22-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	94.4	96 hr	LC50	28	PPB	15-53

Fonofos	944-22-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	95	48 hr	LC50	1.9	PPB	N.R.
Fonofos	944-22-9	Fishes	Spot	Leiostomus xanthurus	Juv	F	95	48 hr	LC50	240	PPB	N.R.
Fonofos	944-22-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1 gm	S	95	96 hr	LC50	6.8	PPB	5.4-8.6
Fonofos	944-22-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	330	PPB	N.R.
Fonofos	944-22-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95.9	96 hr	LC50	0.49	PPB	0.41-0.61
Fonofos	944-22-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	23 mm	F	95.9	96 hr	LC50	16	PPB	13-19
Fonofos	944-22-9	Mollusca	Pacific oyster	Crassostrea gigas	Larvae	S	95.9	48 hr	EC50	899	PPB	660-1100
Fonofos	944-22-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7g	S	96	96 hr	LC50	20	PPB	16-25
Fonofos	944-22-9	Fishes	Bluegill sunfish	Lepomis macrochirus	3.0 g	S	99	96 hr	LC50	29	PPB	27-51
Fonofos	944-22-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	99	96 hr	LC50	50	PPB	32-79
Fonofos	944-22-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	2.04	PPB	1.8-2.3
Foramsulfuron	173159-57-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.6	96 hr	EC50	120	PPM	85-160
Forchlorfenuron	68157-60-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	5.3	PPM	2.9-9.6
Forchlorfenuron	68157-60-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.25 g	S	100	96 hr	LC50	8.8	PPM	7.1-11.6
Forchlorfenuron	68157-60-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	100	96 hr	LC50	9.2	PPM	6.9-11
Formetanate hydrochloride	23422-53-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	91.5	96 hr	EC50	2.3	PPM	1.9-2.7
Formetanate hydrochloride	23422-53-9	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	92	96 hr	LC50	2.5	PPM	2.1-2.9
Formetanate hydrochloride	23422-53-9	Crustacea	Shore crab	Pachygrapsus crassipes	N.R.	S	92	96 hr	LC50	6.8	PPM	5.5-8.4
Formetanate hydrochloride	23422-53-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	72 hr	LC50	30.7	PPM	N.R.
Formetanate hydrochloride	23422-53-9	Crustacea	Water flea	Daphnia magna	1st-I	S	95.6	48 hr	EC50	0.0868	PPM	0.0727-.1038
Formetanate hydrochloride	23422-53-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	F	95.6	96 hr	LC50	2.76	PPM	2.44-3.04
Formetanate hydrochloride	23422-53-9	Fishes	Rainbow trout	Oncorhynchus mykiss	4-5 cm	SR	95.6	96 hr	LC50	4.4	PPM	3.5-5.7
Fosamine ammonium	25954-13-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.28 g	S	98.6	96 hr	LC50	590	PPM	520-680
Fosamine ammonium	25954-13-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	98.6	96 hr	LC50	377	PPM	290-482
Fosamine ammonium	25954-13-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	1524	PPM	1310-1720
Fosetyl-Al	39148-24-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.7	48 hr	EC50	304	PPM	178-365
Fosetyl-Al	39148-24-8	Crustacea	Water flea	Daphnia pulex	Mat	S	95	96 hr	EC50	188	PPM	172-207.5

Fosetyl-Al	39148-24-8	Crustacea	Fiddler crab	Uca pugilator	1.91 g	S	95	96 hr	LC50	145	PPM	79.5-265.1
Fosetyl-Al	39148-24-8	Crustacea	Grass shrimp	Palaemonetes pugio	1 MO	S	95	96 hr	LC50	3.6	PPM	2.1-6.1
Fosetyl-Al	39148-24-8	Fishes	Rainbow trout	Oncorhynchus mykiss	7.5 g	S	95	96 hr	LC50	428.1	PPM	309.2-592.7
Fosetyl-Al	39148-24-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	98	96 hr	LC50	141.4	PPM	100-200
Fosetyl-Al	39148-24-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98.2	48 hr	EC50	1.9	PPM	1.7-2.0
Fosetyl-Al	39148-24-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.39	96 hr	LC50	75.8	PPM	51.4-111.8
Fosetyl-Al	39148-24-8	Fishes	Harlequin fish	Rasbora heteromorpha	0.6 g	S	Tech	96 hr	LC50	161.3	PPM	122.3-212.6
Fosetyl-Al (Aluminum tris o-ethylphophonate)	39148-24-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.43 g	SR	98.2	96 hr	LC50	120	PPM	49-160
Fosthiazate	98886-44-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.5	48 hr	EC50	260	PPB	190-300
Fosthiazate	98886-44-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	93.5	96 hr	LC50	111	PPM	92-137
Fosthiazate	98886-44-3	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	93.5	96 hr	LC50	157	PPM	107.5-294
Fosthiazate	98886-44-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.7	96 hr	LC50	0.429	PPM	0.35-0.56
Fosthiazate	98886-44-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.35 g	F	94.7	96 hr	LC50	46.5	PPM	35.9-61.1
Fosthiazate	98886-44-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.7	96 hr	EC50	14.1	PPM	13.2-15.1
Furfural	98-01-1	Fishes	Rainbow trout	Oncorhynchus mykiss	5.8 g	SR	99	96 hr	LC50	3.06	PPM	2.14-4.53
Furfural	98-01-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	99.8	96 hr	LC50	8	PPM	5.7-9.3
Furfural	98-01-1	Crustacea	Mysid	Americamysis bahia	5 D	F	100	96 hr	LC50	15	PPM	12-19
Furfural	98-01-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.25 g	F	100	96 hr	LC50	5.8	PPM	3.2-9.0
Furfural	98-01-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.22 g	F	100	96 hr	LC50	14	PPM	12-15
Furfural	98-01-1	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	100	96 hr	EC50	18	PPM	14-22
Furfural	98-01-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	>99	48 hr	EC50	20.4	PPM	16.4-25.2
Gamma cyhalothrin	76703-62-3	Crustacea	Amphipod	Gammarus pseudolimnaeus	Neonat	S	99.2	96 hr	LC50	0.000422	PPB	0.00034-0.0005
Gamma cyhalothrin	76703-62-3	Crustacea	Amphipod	Gammarus pseudolimnaeus	Juv	S	99.2	96 hr	LC50	0.00224	PPB	0.00177-0.0028
Gamma cyhalothrin	76703-62-3	Crustacea	Amphipod	Gammarus pseudolimnaeus	Adult	S	99.2	96 hr	LC50	0.00304	PPB	0.0024-0.0037
Gamma cyhalothrin	76703-62-3	Crustacea	Water flea	Daphnia magna	< 24hr	SR	100	48 hr	EC50	0.045	PPB	0.020-0.079
Gamma cyhalothrin	76703-62-3	Crustacea	Water flea	Daphnia magna	< 24hr	SR	100	48 hr	EC50	0.0945	PPB	0.0778-0.114

Gamma cyhalothrin	76703-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	F	100	96 hr	LC50	0.072	PPB	0.057-0.091
Gamma cyhalothrin	76703-62-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.211	F	100	96 hr	LC50	0.0286	PPB	0.021-0.039
Gamma cyhalothrin	76703-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.52 g	F	100	96 hr	LC50	0.19	PPB	0.16-0.22
Gamma-Cyhalothrin XR 225	76703-62-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	F	100	96 hr	LC50	0.05	PPB	0.039-0.065
Glufosinate-ammonium	77182-82-2	Crustacea	Mysid	Americamysis bahia	Adult	S	96.3	96 hr	LC50	7.5	PPM	5.4-11.1
Glufosinate-ammonium	77182-82-2	Mollusca	Eastern oyster	Crassostrea virginica	Emblrv	S	96.3	48 hr	EC50	8	PPM	N.R.
Glufosinate-ammonium	77182-82-2	Crustacea	Water flea	Daphnia magna	1st-I	S	97.4	48 hr	EC50	667.56	PPM	595.7-747.1
Glutaraldehyde	111-30-8	Fishes	Fathead minnow	Pimephales promelas	0.4 g	S	100	96 hr	LC50	11.6	PPM	7.2-22
Glyphosate isopropylamine salt	38641-94-0	Crustacea	Water flea	Daphnia magna	18 hr	S	83	48 hr	EC50	780	PPM	696-874
Glyphosate isopropylamine salt	38641-94-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0g	S	83	96 hr	LC50	120	PPM	111-130
Glyphosate isopropylamine salt	38641-94-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	83	96 hr	LC50	86	PPM	70-106
Glyphosate isopropylamine salt	38641-94-0	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	87.3	24 hr	LC50	84.9	PPM	72.9-99.3
Glyphosate isopropylamine salt	38641-94-0	Crustacea	Shore shrimp	Palaemonetes vulgaris	20mm	S	96.7	96 hr	LC50	281	PPM	207-381
Glyphosate isopropylamine salt	38641-94-0	Crustacea	Fiddler crab	Uca pugilator	20mm	S	96.7	96 hr	LC50	934	PPM	555-1570
Glyphosate isopropylamine salt	38641-94-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	96.7	96 hr	LC50	140	PPM	120-170
Glyphosate isopropylamine salt	38641-94-0	Fishes	Fathead minnow	Pimephales promelas	0.6 g	S	96.7	96 hr	LC50	97	PPM	79-120
Glyphosate isopropylamine salt	38641-94-0	Fishes	Channel catfish	Ictalurus punctatus	2.2 g	S	96.7	96 hr	LC50	130	PPM	110-160
Glyphosate isopropylamine salt	38641-94-0	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	96.7	96 hr	LC50	140	PPM	110-160
Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.6	48 hr	EC50	134	PPM	100-180
Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.6	96 hr	LC50	79	PPM	63-99
Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.6	96 hr	LC50	40	PPM	31-53
Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Fishes	Rainbow trout	Oncorhynchus mykiss	2.68 g	S	95.6	96 hr	LC50	134	PPM	100-180
Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.54 g	S	95.6	96 hr	LC50	45	PPM	32-56

Glyphosate N-(phosphonomethyl) glycine	1071-83-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.855g	S	95.6	96 hr	LC50	240	PPM	180-320
Glyphosate(80WDG formulation)	1071-83-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	80	96 hr	LC50	77.6	PPM	60.2-100
Glyphosate(80WDG formulation)	1071-83-6	Fishes	Fathead minnow	Pimephales promelas	0.19 g	S	80	96 hr	LC50	67.9	PPM	59.1-98.9
Glyphosine	2439-99-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6-8	F	94	30 D	LC50	54	PPM	N.R.
Glyphosine	2439-99-8	Fishes	Channel catfish	Ictalurus punctatus	0.6-8	F	94	30 D	LC50	18	PPM	N.R.
Glyphosine (Polaris formula)	2439-99-8	Crustacea	Pink shrimp	Penaeus duorarum	5-7 cm	S	85	96 hr	LC50	254	PPM	223-290
Glyphosine (Polaris formula)	2439-99-8	Crustacea	Fiddler crab	Uca pugilator	1-2 cm	S	85	96 hr	LC50	319	PPM	291-351
Glyphosine (Polaris formula)	2439-99-8	Mollusca	Eastern oyster	Crassostrea virginica	3-5 cm	SR	85	96 hr	EC50	53	PPM	38-74
Grandlure (mix of 4 plant volatiles)	26532-22-9	Fishes	Bluegill sunfish	Lepomis macrochirus	NR	S	100	96 hr	LC50	4.6	PPM	3.6 - 6.0
Grandlure (mix of 4 plant volatiles)	26532-22-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.08 g	S	Tech	96 hr	LC50	12.57	PPM	11.3 - 13.9
Grotan	4719-04-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	83.8	48 hr	EC50	26.1	PPM	19.7-34.5
Grotan	4719-04-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	83.8	96 hr	EC50	2.3	PPM	0.8-Inf
Grotan (Triazine)	4719-04-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	83.8	96 hr	LC50	12	PPM	7.43-16.8
Hallcomid	14433-76-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	94	96 hr	LC50	21	PPM	15.8-28.1
Halofenozide	112226-61-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	89.3	96 hr	LC50	3.5	PPM	2.9-4.5
Halofenozide	112226-61-6	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	89.3	96 hr	EC50	1.19	PPM	1.05-1.35
Halofenozide	112226-61-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.7	48 hr	EC50	3.6	PPM	3.2-4.2
Halosulfuron methyl	100784-20-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.5	96 hr	LC50	109	PPM	72-127
Halosulfuron methyl	100784-20-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.3	96 hr	EC50	94	PPM	73-111
Haloxyfop acid	69806-34-4	Crustacea	Pink shrimp	Penaeus duorarum	0.64 g	F	98.8	96 Hr	LC50	572	PPM	484-697
Haloxyfop acid	69806-34-4	Fishes	Silversides	Menidia menidia	.012 g	F	98.8	96 Hr	LC50	383	PPM	344-428
Haloxyfop acid	69806-34-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.6	48 Hr	EC50	96.7	PPM	81.7 - 113
Haloxyfop acid	69806-34-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.19 g	S	99.6	96 Hr	LC50	548	PPM	423-792
Haloxyfop acid	69806-34-4	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.8	96 Hr	EC50	33	PPM	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Blue crab	Callinectes sapidus	Juv	F	74	48 hr	LC50	68	PPB	N.R.

Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Spot	Leiostomus xanthurus	Juv	F	74	48 hr	LC50	15	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Striped mullet	Mugil cephalus	Juv	F	74	48 hr	LC50	3.3	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	74	96 hr	EC50	17	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	89	96 hr	LC50	0.11	PPB	0.07-0.15
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	89	96 hr	LC50	1.1	PPB	0.46-2.1
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	89	96 hr	LC50	3.7	PPB	2.7-4.7
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Pinfish	Lagodon rhomboides	Adult	F	89	96 hr	LC50	3.8	PPB	2.0-8.8
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Spot	Leiostomus xanthurus	Adult	F	89	96 hr	LC50	0.85	PPB	0.72-1.0
Heptachlor (Cancelled in U.S.)	76-44-8	Mollusca	Eastern oyster	Crassostrea virginica	Adult	F	89	96 hr	EC50	1.5	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Water flea	Daphnia pulex	1st-I	S	99	48 hr	EC50	42	PPB	21-63
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99	48 hr	EC50	47	PPB	32-68
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	40	PPB	28-55
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	29	PPB	18-48
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Crayfish	Orconectes nais	Juv	S	99	96 hr	LC50	0.5	PPB	0.3-1.8
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Juv	S	99	96 hr	LC50	1.8	PPB	1.4-2.4
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Mysid	Americamysis bahia	Adult	F	99	96 hr	LC50	3.4	PPB	2.7-4.5
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	99	96 hr	LC50	0.03	PPB	0.02-0.04
Heptachlor (Cancelled in U.S.)	76-44-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	99	96 hr	LC50	0.04	PPB	0.001-0.10
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	99	96 hr	LC50	7	PPB	5.8-8.4
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Northern pike	Esox lucius	0.7 g	S	99	96 hr	LC50	6.2	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Fathead minnow	Pimephales promelas	1.3 g	S	99	96 hr	LC50	23	PPB	N.R.
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Black bullhead	Ictalurus melas	0.90 g	S	99	96 hr	LC50	63	PPB	46-86
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Channel catfish	Ictalurus punctatus	1.0 g	S	99	96 hr	LC50	25	PPB	17-36
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	99	96 hr	LC50	13	PPB	9-19
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Redear sunfish	Lepomis microlophus	1.1 g	S	99	96 hr	LC50	17	PPB	15-19
Heptachlor (Cancelled in U.S.)	76-44-8	Fishes	Largemouth bass	Micropterus salmoides	0.8 g	S	99	96 hr	LC50	10	PPB	7.4-14
Hexaconazole	79983-71-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.63 g	F	87.9	96 hr	LC50	3.8	PPM	2.8-5.2
Hexaconazole	79983-71-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	88.2	96 hr	LC50	2	PPM	1.69-2.37
Hexaconazole	79983-71-4	Fishes	Sheephead minnow	Cyprinodon variegatus	0.71 g	S	88.2	96 h	LC50	5.6	PPM	5.1-6.4

Hexaconazole	79983-71-4	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	88.2	48 h	EC50	5.7	PPM	5.3-6.2
Hexaconazole	79983-71-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3-2g	F	90	96 hr	LC50	5.1	PPM	4.6-5.8
Hexaconazole test 1	79983-71-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.3	48 h	EC50	1.6	PPM	1.25-2.5
Hexaconazole test 2	79983-71-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.3	48 hr	EC50	10	PPM	5-20
Hexaconazole test 3	79983-71-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.3	48 hr	EC50	3.5	PPM	2.88-4.24
Hexadecadienol acetate	53042-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.34 g	S	95	96 hr	LC50	94.9	PPM	80.5-111.8
Hexadecadienol acetate	53042-79-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.9	48 hr	EC50	0.7	PPM	0.42-1.17
Hexadecadienol acetate	53042-79-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	0.7	PPM	0.42-1.17
Hexadecadienol acetate	53042-79-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	Tech	48 hr	EC50	0.28	PPM	0.25-0.31
Hexaflumuron	86479-06-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	0.111	PPB	0.103-0.120
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.674	S	82	96 Hr	LC50	0.152	PPM	NR
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	89.2	96 ht	LC50	52	PPM	46-58
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Fishes	Inland silverside	Menidia beryllina	Juv	F	89.2	96 hr	LC50	34	PPM	29-39
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	89.2	96 hr	EC50	11	PPM	N.R.
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	20.5	PPM	18-23
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90	48 hr	LC50	27.6	PPM	24.6-31
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	94	48 hr	EC50	40	PPM	36-44
Hexamethylenetetramine chloroallyl chloride	4080-31-3	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	94	96 hr	LC50	34	PPM	32-36
Hexazinone	51235-04-2	Crustacea	Water flea	Daphnia magna	1st-I	SR	89.3	21 D	EC50	33.1	PPM	28.1-36.9
Hexazinone	51235-04-2	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	151.6	PPM	125.2-172.8
Hexazinone	51235-04-2	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	95	96 hr	LC50	78	PPM	N.R.

Hexazinone	51235-04-2	Fishes	Fathead minnow	Pimephales promelas	1.5 g	S	97.5	96 hr	LC50	274	PPM	207-361
Hexythiazox	78587-05-0	Crustacea	Water flea	Daphnia carinata	<24 hr	S	98.9	48 hr	EC50	0.742	PPM	0.61-0.89
Hexythiazox	78587-05-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.70 g	S	98.9	96 hr	LC50	11.6	PPM	8.4-19.3
Hexythiazox	78587-05-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.09 g	S	98.9	96 hr	LC50	0.53	PPM	0.35-0.70
Hydramethylnon	67485-29-4	Crustacea	Water flea	Daphnia magna	1st-I	S	92	48 hr	EC50	1.14	PPM	0.9-1.39
Hydramethylnon	67485-29-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	92	96 hr	LC50	0.16	PPM	0.13-0.19
Hydramethylnon	67485-29-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	92	96 hr	LC50	0.15	PPM	0.12-0.18
Hydramethylnon	67485-29-4	Fishes	Channel catfish	Ictalurus punctatus	0.2 g	S	92	96 hr	LC50	0.09	PPM	0.08-0.11
Hydramethylnon	67485-29-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	92	96 hr	LC50	1.7	PPM	1.4-2.1
Hydramethylnon	67485-29-4	Fishes	Pinfish	Lagodon rhomboides	Juv	S	96.2	96 hr	LC50	0.2	PPM	0.16-.24
Hydramethylnon	67485-29-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.8	96 hr	LC50	54.4	PPB	46.0-64.4
Hydramethylon	67485-29-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.8	96 hr	LC50	54.4	PPB	46.0-64.4
Hydramethylon	67485-29-4	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.8	96 hr	EC50	550	PPB	430-690
Hydroxypropyl methane thiosulfonate	30388-01-3	Crustacea	Water flea	Daphnia magna	<20 hr	S	79.8	48 hr	EC50	12	PPM	10-13
Hydroxypropyl methane thiosulfonate	30388-01-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	78	PPM	74.6-81.6
Hydroxypropyl methane thiosulfonate	30388-01-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	81.4	96 hr	EC50	3.13	PPM	2.6-3.7
Hydroxypropyl methane thiosulfonate	30388-01-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	81.4	96 hr	LC50	38.2	PPM	33-47.8
Hydroxypropyl methane thiosulfonate	30388-01-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.7 g	F	81.4	96 hr	LC50	28	PPM	15.8-36.2
Hymexazol	10004-44-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.3	48 hr	EC50	30.8	PPM	26.3-35.9
Imazalil	35554-44-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.6	48 hr	EC50	3.54	PPM	2.6-4.7
Imazalil	35554-44-0	Fishes	Bluegill sunfish	Lepomis macrochirus	2.1 g	SR	97.6	96 hr	LC50	3.99	PPM	2.7-5.7
Imazalil	35554-44-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	97.6	96 hr	LC50	1.48	PPM	1.1-1.9
Imazalil	35554-44-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	98.9	48 hr	EC50	3.16	PPM	2.9-3.5

Imazalil	35554-44-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	SR	98.9	96 hr	LC50	2	PPM	1.0-5.9
Imazamethabenz	81405-85-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.2	48 hr	EC50	220	PPM	200-260
Imazamethabenz	81405-85-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	94.2	96 hr	LC50	280	PPM	220-360
Imazamethabenz	81405-85-8	Fishes	Bluegill sunfish	Lepomis macrochirus	00.4 g	S	94.2	96 hr	LC50	420	PPM	320-560
Imazaquin	81335-37-7	Crustacea	Water flea	Daphnia magna	N.R.	S	87.9	48 hr	EC50	280	PPM	240-330
Imazaquin	81335-37-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	87.9	96 hr	LC50	280	PPM	180-560
Imazaquin	81335-37-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	87.9	96 hr	LC50	420	PPM	300-540
Imazaquin	81335-37-7	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	87.9	96 hr	LC50	320	PPM	N.R.
Imazethapyr acid	81335-77-5	Fishes	Channel catfish	Ictalurus punctatus	1.3 g	S	91.2	96 hr	LC50	240	PPM	180-320
Imazethapyr acid	81335-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.32 g	S	91.2	96 hr	LC50	423	PPM	320-560
Imazethapyr acid	81335-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.35 g	S	91.2	96 hr	LC50	344	PPM	180-560
Imazosulfuron	122548-33-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.2	48 H	EC50	32	PPM	23-44
Imazosulfuron	122548-33-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.2	96 H	EC50	63	PPM	50-79
Imidacloprid	138261-41-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	95.3	96 hr	LC50	229.1	PPM	169.3-309
Imidacloprid	138261-41-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.4	48 hr	EC50	85.2	PPM	75-113
Imidacloprid	138261-41-3	Crustacea	Mysid	Americamysis bahia	Juv	F	96.2	96 hr	LC50	0.0377	PPM	0.0260-0.046
Imidacloprid	138261-41-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	96.2	96 hr	LC50	163	PPM	126-234
Imidacloprid	138261-41-3	Crustacea	Amphipod	Hyalella azteca	Juv	S	100	48 hr	LC50	0.115	PPM	0.074-0.179
Imidacloprid	138261-41-3	Crustacea	Amphipod	Hyalella azteca	Juv	S	100	96 hr	LC50	0.055	PPM	0.034-0.098
Imiprothrin (Pralle)	72963-72-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.9	48 hr	EC50	51	PPB	30.0-82.0
Imiprothrin (Pralle)	72963-72-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.19	F	92.9	96 hr	LC50	38	PPB	21-62
Imiprothrin (Pralle)	72963-72-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.11 g	F	92.9	96 hr	LC50	70	PPB	63-79
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Crustacea	Water flea	Daphnia magna	LifCyc	SR	94.5	21 D	EC50	1.6	PPM	1.4-1.7
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	94.5	96 Hr	LC50	1.5	PPM	1.06-1.88

Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.97 g	S	94.5	96 Hr	LC50	0.572	PPM	0.42-0.78
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.32 g	S	94.5	96 Hr	LC50	0.32	PPM	0.21-0.75
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.41 g	S	94.5	96 Hr	LC50	0.96	PPM	0.43-1.56
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Fishes	Fathead minnow	Pimephales promelas	0.62 g	S	94.5	96 Hr	LC50	0.77	PPM	0.55-1.07
Indaziflam (BCS-AA10717 Multi-Isomer Active)	950782-86-2	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	94.5	96 Hr	EC50	0.92	PPM	0.75-1.1
Indole-3-butyric acid	133-32-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.4	48 hr	EC50	57	PPM	46.7-73.8
Indoxacarb DPX-JW062	173584-44-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.7	48 hr	EC50	2.94	PPM	2.48-3.34
Indoxacarb IN-JT333-20 degradate	173584-44-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.62 g	F	98.7	96 hr	LC50	0.024	PPM	0.012-0.219
Indoxacarb IN-KN127	173584-44-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.12 g	F	99.8	96 hr	LC50	0.394	PPM	0.294-0.643
Indoxacarb IN-MP819	173584-44-6	Crustacea	Water flea	Daphnia magna	<24 Hr	F	98.6	48 Hr	EC50	0.064	PPM	0.046-0.088
Indoxacarb JW062	173584-44-6	Fishes	Common carp	Cyprinus carpio	3.2 g	S	94.7	96 hr	LC50	1.02	PPM	0.885-1.156
Indoxacarb(DPX-MP062-51A)	173584-44-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.5	48 hr	EC50	0.6	PPM	0.57-0.66
Indoxacarb(DPX-MP062-51A)	173584-44-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.5	96 hr	LC50	0.0542	PPM	0.044-0.066
Indoxacarb(DPX-MP062-51A)	173584-44-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.65 g	F	94.5	96 hr	LC50	0.65	PPM	0-Inf
Indoxacarb(DPX-MP062-51A)	173584-44-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.27 g	F	94.5	96 hr	LC50	0.9	PPM	0.71-1.46
Indoxacarb(DPX-MP062-51A)	173584-44-6	Fishes	Channel catfish	Ictalurus punctatus	0.12 g	F	94.5	96 hr	LC50	0.29	PPM	0.25-0.39
Indoxacarb(DPX-MP062-51A)	173584-44-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.5	96 hr	EC50	0.203	PPM	0.165-0.25
Inert HOE (Butyl S(-) lactate)	N.R.	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	423	PPM	320-560
Inert HOE (Butyl S(-) lactate)	N.R.	Fishes	Zebrafish	Danio rerio	0.07 g	SR	97	96 hr	LC50	43	PPM	32-57
Inert Surfadone(LP100)	2687-94-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.7	48 hr	EC50	7.59	PPM	5.95-9.78
Inert Surfadone(LP100)	2687-94-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.24 g	F	99.7	96 hr	LC50	17.8	PPM	15.2-27.2
Inert Surfadone(LP300)	2687-96-9	Fishes	Rainbow trout	Oncorhynchus mykiss	2.01 g	F	99.6	96 hr	EC50	0.5	PPM	0.36-0.70
Inert-HOE (Ethyl S(-) lactate)	N.R.	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	683	PPM	592-788
Inert-HOE (Ethyl S(-) lactate)	N.R.	Fishes	Zebrafish	Danio rerio	0.07 g	SR	97	96 hr	LC50	320	PPM	305-417

Iodine	7553-56-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.8	48 hr	EC50	0.33	PPM	0.2-0.37
Iodine (Iobio formulation)	7553-56-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	F	99.8	96 hr	LC50	0.61	PPM	0.46-0.77
Iodomethane	74-88-4	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.7	48 hr	EC50	1.34	PPM	0.78-2.3
Iodomethane	74-88-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.24 g	SR	99.7	96 hr	LC50	1.33	PPM	1.12-1.56
Iodomethane	74-88-4	Fishes	Common carp	Cyprinus carpio	1.1 g	SR	99.9	96 hr	LC50	1.19	PPM	0.82-1.59
Ipconazole	125225-28-7	Crustacea	Water flea	Daphnia magna	<24 Hr	F	99.2	48 hr	EC50	1.7	PPM	1.23-2.63
Ipconazole	125225-28-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	99.2	96 hr	LC50	1.53	PPM	0.76-2.1
Iprodione	36734-19-7	Crustacea	Water flea	Daphnia magna	1st-I	S	94.5	48 hr	EC50	0.43	PPM	0.31-0.61
Iprodione	36734-19-7	Crustacea	Water flea	Daphnia magna	1st-I	S	94.5	48 hr	EC50	7.2	PPM	6.0-8.6
Iprodione	36734-19-7	Fishes	Channel catfish	Ictalurus punctatus	0.09 g	F	95	96 hr	LC50	3.06	PPM	2.1-4.2
Iprodione	36734-19-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	F	95	96 hr	LC50	7.7	PPM	7.1-8.4
Iprodione	36734-19-7	Fishes	Channel catfish	Ictalurus punctatus	0.09 g	F	95	96 hr	LC50	3.1	PPM	2.6-3.6
Iprodione	36734-19-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	2.3	PPM	1-5.3
Iprodione	36734-19-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95.1	96 hr	LC50	4.2	PPM	N.R.
Iprodione	36734-19-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95.1	96 hr	LC50	6.3	PPM	5.2-7.7
Iprodione	36734-19-7	Crustacea	Water flea	Daphnia magna	1st-I	S	96.2	48 hr	EC50	0.24	PPM	0.20-.31
Iprodione	36734-19-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.91 g	F	96.2	96 hr	LC50	3.7	PPM	3.3-4.0
Iprodione	36734-19-7	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	72 hr	EC50	4	PPM	2.9-5.5
Irgarol	28159-98-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	5.3	PPM	4.2-6.9
Irgarol	28159-98-0	Fishes	Inland silverside	Menidia beryllina	0.05 g	S	98	96 hr	LC50	1.58	PPM	1.2-2.0
Irgarol	28159-98-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.22 g	F	98	96 hr	LC50	3.5	PPM	3.1-3.8
Irgarol	28159-98-0	Crustacea	Mysid	Americamysis bahia	2 D	S	98.6	96 hr	LC50	0.4	PPM	0.34-0.47
Irgarol	28159-98-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	98.6	96 hr	LC50	0.75	PPM	0.52-1.18
Irgarol	28159-98-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	98.6	96 hr	LC50	0.84	PPM	0.49-1.7
Irgarol	28159-98-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	98.6	96 hr	LC50	2.6	PPM	2.1-3.5
Irgarol	28159-98-0	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98.6	48 hr	EC50	3.2	PPM	2.6-4.3

Irgarol 1051	28159-98-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.6	24 hr	EC50	66	PPM	49-142
Irgarol 1051(GS26575 degradate)	28159-98-0	Crustacea	Mysid	Americamysis bahia	<24 hr	S	100	96 hr	LC50	1.5	PPM	1.3-1.7
Isazophos methyl CGA 12223	42509-83-1	Fishes	Fathead minnow	Pimephales promelas	NR	F	93	96 hr	LC50	137.9	PPB	135.2 - 140.6
Isazophos methyl CGA 12223	42509-83-1	Crustacea	Mysid	Americamysis bahia	2 D	S	93.8	96 hr	LC50	0.5	PPB	0.27 - 0.60
Isazophos methyl CGA 12223	42509-83-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	93.8	96 hr	LC50	6.02	PPB	1.6 - 8.76
Isazophos methyl CGA 12223	42509-83-1	Fishes	Rainbow trout	Oncorhynchus mykiss	Adult	F	93.8	96 hr	LC50	6.36	PPB	5.67 - 7.20
Isazophos methyl CGA 12223	42509-83-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Adult	F	93.8	96 hr	LC50	3.83	PPB	3.77 - 3.89
Isazophos methyl CGA 12223	42509-83-1	Fishes	Magoi carp	Cyprinus carpio I.	7 g	S	93.8	96 hr	LC50	100	PPB	50 - 500
Isazophos methyl CGA 12223	42509-83-1	Fishes	Crucian carp	Carassius carassius	5 g	S	93.8	96 hr	LC50	4573	PPB	2840 - 13503
Isazophos methyl CGA 12223	42509-83-1	Fishes	Rainbow trout	Oncorhynchus mykiss	7.5 g	S	93.8	96 hr	LC50	18.7	PPB	15 - 21
Isazophos methyl CGA 12223	42509-83-1	Fishes	Catfish	Ictalurus melas	2.0 g	S	93.8	96 hr	LC50	185	PPB	125 - 284
Isazophos methyl CGA 12223	42509-83-8	Fishes	Guppy	Lebistes reticulatus	NR	S	93.8	96 hr	LC50	43.6	PPB	30.3 - 70.8
Isazophos methyl CGA 12223	42509-83-1	Fishes	Common carp	Cyprinus carpio	3.0 g	S	93.8	96 hr	LC50	219	PPB	135 - 339
Isobutyric acid	79-31-2	Crustacea	Water flea	Daphnia magna	> 6 M	S	99	96 hr	EC50	270	PPM	N.R.
Isocyanuric acid (s-Triazinetriol)	108-80-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.68 g	S	100	96 hr	LC50	0.62	PPM	0.58-0.67
Isofenphos	25311-71-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.1	96 hr	EC50	0.152	PPM	0.139-.167
Isofenphos	25311-71-1	Crustacea	Mysid	Americamysis bahia	N.R.	F	90.9	96 hr	LC50	1.7	PPB	1.4-1.9
Isofenphos	25311-71-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.92 g	SR	91.9	96 hr	LC50	1.7	PPM	1.3-2.3
Isofenphos	25311-71-1	Fishes	Rainbow trout	Oncorhynchus mykiss	Larvae	F	91.9	28 D	LC50	168	PPB	152-185
Isofenphos	25311-71-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	92	48 hr	EC50	3.9	PPB	N.R.
Isofenphos	25311-71-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	92	96 hr	LC50	1.4	PPM	1.2-1.6
Isofenphos	25311-71-1	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	92	96 hr	LC50	2.1	PPM	1.8-2.5
Isofenphos	25311-71-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	92	96 hr	LC50	1.8	PPM	1.6-2.0
Isofenphos	25311-71-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	92	96 hr	LC50	2.2	PPM	1.87-2.68
Isofenphos	25311-71-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	92	96 hr	LC50	3.3	PPM	1.6-5.9
Isofenphos	25311-71-1	Crustacea	Water flea	Daphnia magna	2nd-I	S	Tech	48 hr	EC50	4.6	PPB	3-7

Isofenphos metabolite	25311-71-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	1.6	PPB	1.1-2.2
Isopropalin	33820-53-0	Crustacea	Water flea	Daphnia magna	1st-I	S	93.2	48 hr	EC50	0.269	PPM	0.23-.317
Isopropalin	33820-53-0	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	SR	93.2	96 hr	LC50	24.3	PPM	4.79-infin.
Isopropalin	33820-53-0	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	93.2	96 hr	LC50	0.803	PPM	0.552-1.17
Isopropanol	67-63-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	100	96 hr	LC50	13000	PPM	12000-16000
Isoxadifen-ethyl	163520-33-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.14 g	F	98	96 Hr	LC50	0.22	PPM	0.18-0.25
Isoxadifen-ethyl	163520-33-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	98.3	96 Hr	LC50	0.34	PPM	0.30-0.38
Isoxaflutole	141112-29-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.8	96 hr	LC50	0.0178	PPM	0.014-0.023
Isoxaflutole	141112-29-0	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	96.8	96 hr	EC50	3.3	PPM	2.1-5.1
Isoxaflutole (RPA 202248 degradate)	141112-29-0	Crustacea	Mysid	Americamysis bahia	<24 hr	SR	99.9	96 hr	LC50	3.6	PPM	0.83-7.4
Isoxaflutole (RPA 203328)	141112-29-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.59 g	F	98.9	96 hr	LC50	160	PPM	130-210
Isoxaflutole RPA 203328 degradate	141112-29-0	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99	96 hr	LC50	145	PPM	129-168
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Grass shrimp	Palaemonetes pugio	27.8mm	F	88	96 hr	LC50	121	PPB	103-171.6
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	20mm	F	88	96 hr	LC50	69.5	PPB	56.3-99.5
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	90.7	48 hr	EC50	260	PPB	200-375
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Scud	Gammarus pseudolimnaeus	Mat	S	90.7	96 hr	LC50	180	PPB	110-290
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	90.7	96 hr	LC50	29	PPB	23-37
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Fathead minnow	Pimephales promelas	0.03 g	S	90.7	96 hr	LC50	420	PPB	373-473
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Fathead minnow	Pimephales promelas	0.3 g	F	90.7	96 hr	LC50	340	PPB	289-400
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Channel catfish	Ictalurus punctatus	1.6 g	S	90.7	96 hr	LC50	225	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Bluegill sunfish	Lepomis macrochirus	3.5 g	S	90.7	96 hr	LC50	72	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Redear sunfish	Lepomis microlophus	1.0 g	S	90.7	96 hr	LC50	29	PPB	26-32
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Mysid	Americamysis bahia	2 D	F	94	96 hr	LC50	10	PPB	8.1-12
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	94	48 hr	LC50	68	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	94	96 hr	LC50	120	PPB	100-170
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Longnose killifish	Fundulus similis	Juv	F	94	48 hr	LC50	68	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Fishes	Spot	Leiostomus xanthurus	Adult	F	94	96 hr	LC50	6.6	PPB	5.3-8.8

Kepone (Cancelled in U.S.)	143-50-0	Fishes	Striped mullet	Mugil cephalus	Juv	F	94	48 hr	LC50	32	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	94	96 hr	EC50	11	PPB	N.R.
Kepone (Cancelled in U.S.)	143-50-0	Mollusca	Eastern oyster	Crassostrea virginica	Adult	S	94	48 hr	EC50	66	PPB	60-74
Kepone (Cancelled in U.S.)	143-50-0	Crustacea	Brown shrimp	Penaeus aztecus	Adult	F	Tech	48 hr	LC50	85	PPB	N.R.
Kinoprene	42588-37-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	89.6	48 hr	EC50	0.1	PPM	0.06-0.18
Kresoxim methyl	143390-89-0	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.3	48 hr	EC50	332	PPB	260-400
Kresoxim methyl	143390-89-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.3	96 hr	LC50	59	PPB	47-72
Kresoxim methyl	143390-89-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	20 mm	F	94.3	96 hr	LC50	1173	PPB	1014-1373
Kresoxim methyl	143390-89-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	F	94.3	96 hr	LC50	499	PPB	388-642
Kresoxim methyl	143390-89-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64 g	F	94.3	96 hr	LC50	190	PPB	163-216
Kresoxim methyl	143390-89-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.3	96 hr	LC50	14.7	PPB	11-19.6
Lactofen	77501-63-4	Crustacea	Water flea	Daphnia magna	N.R.	S	77.6	48 hr	EC50	2	PPM	1.7-2.5
Lambda Cyhalothrin	91465-08-6	Crustacea	Freshwater amphipod	Hyalella azteca	8 D	F	90.7	10 D	LC50	2.2 sedmnt	UGK	1.8-2.5
Lambda-Cyhalothrin	91465-08-6	Fishes	Golden orfe	Leuciscus idus	2.15 g	F	87.7	96 hr	LC50	0.078	PPB	0.055-0.11
Lambda-Cyhalothrin	91465-08-6	Crustacea	Scud	Gammarus pulex	Adult	F	94	48 hr	EC50	0.0068	PPB	0.005-0.009
Lambda-Cyhalothrin	91465-08-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.6 g	F	96	N.R.	LC50	0.807	PPB	0.675-0.967
Lambda-Cyhalothrin	91465-08-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.5	48 hr	EC50	0.23	PPB	0.18-0.29
Lambda-Cyhalothrin	91465-08-6	Crustacea	Mysid	Americamysis bahia	<48 hr	F	97	96 hr	LC50	0.0049	PPB	0.0029-0.0058
Lambda-Cyhalothrin	91465-08-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	F	98	96 hr	LC50	0.21	PPB	0.16-0.31
Lambda-Cyhalothrin	91465-08-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	F	98	96 hr	LC50	0.24	PPB	0.19-0.28
Lambda-Cyhalothrin	91465-08-6	Crustacea	Water flea	Daphnia magna	< 24 h	SR	99	48 hr	EC50	0.051	PPB	0.034-0.10
Lambda-Cyhalothrin	91465-08-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.52 g	F	99	96 hr	LC50	0.19	PPB	0.16-0.38
Lignasan BLP	52316-55-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	98.1	96 hr	LC50	1.6	PPM	1.2-2.1
Lignasan BLP	52316-55-9	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	98.1	96.hr	LC50	0.022	PPM	0.014-0.034
Lignasan BLP	52316-55-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.14	PPM	0.09-0.19
Lignasan BLP	52316-55-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	257	PPM	250-262
Limonene	138-86-3	Crustacea	Water flea	Daphnia magna	N.R.	S	92	48 hr	EC50	39	PPM	34.9-44.2

Limonene	138-86-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	92	96 hr	LC50	80	PPM	71.4-88.7
Linalool	78-70-6	Crustacea	Water flea	Daphnia magna	N.R.	S	100	48 hr	EC50	36.7	PPM	31.9-43
Linalool	78-70-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	28.8	PPM	25.7-31.9
Lindane	58-89-9	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	99	48 hr	EC50	520	PPB	340-790
Lindane	58-89-9	Crustacea	Water flea	Daphnia pulex	1st-I	S	99	48 hr	EC50	460	PPB	386-547
Lindane	58-89-9	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	99	48 hr	LC50	3.2	PPB	2.2-4.6
Lindane	58-89-9	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	99	96 hr	LC50	10	PPB	7.0-14.0
Lindane	58-89-9	Crustacea	Scud	Gammarus fasciatus	Juv	S	99	96 hr	LC50	10	PPB	7-14
Lindane	58-89-9	Fishes	Coho salmon	Oncorhynchus kisutch	0.6 g	S	99	96 hr	LC50	23	PPB	19-28
Lindane	58-89-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	99	96 hr	LC50	18	PPB	16-19
Lindane	58-89-9	Fishes	Brown trout	Salmo trutta	1.1 g	F	99	96 hr	LC50	22	PPB	16-28
Lindane	58-89-9	Fishes	Brown trout	Salmo trutta	1.7 g	S	99	96 hr	LC50	1.7	PPB	1.2-2.4
Lindane	58-89-9	Fishes	Lake trout	Salvelinus namaycush	0.7 g	S	99	96 hr	LC50	32	PPB	24-42
Lindane	58-89-9	Fishes	Lake trout	Salvelinus namaycush	Finglg	F	99	96 hr	LC50	24	PPB	18-27
Lindane	58-89-9	Fishes	Goldfish	Carassius auratus	0.99 g	S	99	96 hr	LC50	131	PPB	61-180
Lindane	58-89-9	Fishes	Common carp	Cyprinus carpio	0.6 g	S	99	96 hr	LC50	90	PPB	75-120
Lindane	58-89-9	Fishes	Fathead minnow	Pimephales promelas	1.2g	S	99	96 hr	LC50	67	PPB	42-105
Lindane	58-89-9	Fishes	Fathead minnow	Pimephales promelas	1.0 g	F	99	96 hr	LC50	77	PPB	55-106
Lindane	58-89-9	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	99	96 hr	LC50	64	PPB	49-81
Lindane	58-89-9	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	99	96 hr	LC50	44	PPB	37-52
Lindane	58-89-9	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	99	96 hr	LC50	70	PPB	56-87
Lindane	58-89-9	Fishes	Largemouth bass	Micropterus salmoides	0.9 g	S	99	96 hr	LC50	32	PPB	27-38
Lindane	58-89-9	Fishes	Yellow perch	Perca flavescens	1.4 g	S	99	96 hr	LC50	68	PPB	60-76
Lindane	58-89-9	Fishes	Yellow perch	Perca flavescens	Finglg	F	99	96 hr	LC50	23	PPB	20-26
Lindane	58-89-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	99	96 hr	LC50	25	PPB	23-28
Lindane	58-89-9	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99.5	48 hr	EC50	2800	PPB	2600-3000
Lindane	58-89-9	Crustacea	Mysid	Americamysis bahia	Adult	F	100	96 hr	LC50	6.3	PPB	3.8-14.0
Lindane	58-89-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	100	48 hr	LC50	0.22	PPB	N.R.
Lindane	58-89-9	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	100	96 hr	LC50	0.077	PPB	0.038-0.094

Lindane	58-89-9	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	100	96 hr	LC50	4.4	PPB	3.4-6.1
Lindane	58-89-9	Crustacea	Scud	Gammarus lacustris	Juv	S	100	96 hr	LC50	88	PPB	57.0-136.0
Lindane	58-89-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	100	96 hr	LC50	100	PPB	90-130
Lindane	58-89-9	Fishes	Longnose killifish	Fundulus similis	Juv	F	100	48 hr	LC50	190	PPB	N.R.
Lindane	58-89-9	Fishes	Pinfish	Lagodon rhomboides	Adult	F	100	96 hr	LC50	31	PPB	28-34
Lindane	58-89-9	Fishes	Spot	Leiostomus xanthurus	Juv	F	100	48 hr	LC50	23	PPB	N.R.
Lindane	58-89-9	Fishes	Striped mullet	Mugil cephalus	Juv	F	100	48 hr	LC50	23	PPB	N.R.
Lindane	58-89-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	100	96 hr	EC50	240	PPB	N.R.
Linuron	330-55-2	Crustacea	Water flea	Daphnia magna	1st-I	S	94.4	48 hr	EC50	0.12	PPM	0.1-0.15
Linuron	330-55-2	Crustacea	Water flea	Daphnia magna	1st-I	S	95.1	48 hr	EC50	0.27	PPM	0.22-.33
Linuron	330-55-2	Fishes	Channel catfish	Ictalurus punctatus	0.4 g	S	95.1	96 hr	LC50	2.9	PPM	2.0-4.2
Linuron	330-55-2	Fishes	Rainbow trout	Oncorhynchus mykiss	.77 g	S	96.2	96 hr	LC50	3.085	PPM	2.09-6.05
Linuron	330-55-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	96.2	96 hr	LC50	9.6	PPM	7.9-11.6
Linuron	330-55-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.4	48 hr	EC50	1.91	PPM	1.58-2.3
Linuron	330-55-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.4	96 hr	LC50	3.3	PPM	2.9-3.8
Linuron	330-55-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.20 g	S	98.4	96 hr	LC50	0.89	PPM	0.49-1.3
Linuron	330-55-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98.4	48 hr	EC50	5.4	PPM	5.1-5.7
Lithium perfluorooctane sulfonate	29457-72-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	67	PPM	60-76
Lithium perfluorooctane sulfonate	29457-72-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.12 g	S	96	96 hr	LC50	49	PPM	39-62
Lithium perfluorooctane sulfonate	29457-72-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.18 g	S	96	96 hr	LC50	4.2	PPM	3.3-5.1
L-Lactic acid	79-33-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	750	PPM	560-1000
L-Lactic acid	79-33-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.37 g	S	80	96 hr	LC50	130	PPM	100-180
L-Lactic acid	79-33-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	80	96 hr	LC50	130	PPM	100-180
Macleaya extract	112025-60-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	77.6	48 hr	EC50	0.02	PPM	0.018-0.022
Macleaya extract	112025-60-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.08 g	F	77.6	96 hr	LC50	0.09	PPM	0.04-0.18
Malathion	121-75-5	Crustacea	Mysid	Americamysis bahia	4 D	F	94	96 hr	LC50	1.96	PPB	0.8-8.4
Malathion	121-75-5	Crustacea	Mysid	Americamysis bahia	Juv	F	94	96 hr	LC50	2.2	PPB	1.5-2.6
Malathion	121-75-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.03 g	F	94	96 hr	LC50	33	PPB	14-63

Malathion	121-75-5	Crustacea	Water flea	Daphnia pulex	1st-I	S	95	48 hr	EC50	1.8	PPB	1.4-2.4
Malathion	121-75-5	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	95	48 hr	EC50	0.59	PPB	0.44-0.79
Malathion	121-75-5	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	1	PPB	0.7-1.4
Malathion	121-75-5	Crustacea	Crayfish	Orconectes nais	1-2 I	S	95	96 hr	LC50	180	PPB	140-230
Malathion	121-75-5	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	F	95	96 hr	LC50	12	PPB	N.R.
Malathion	121-75-5	Crustacea	Scud	Gammarus fasciatus	Adult	F	95	96 hr	LC50	0.5	PPB	N.R.
Malathion	121-75-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	95	48 hr	LC50	280	PPB	N.R.
Malathion	121-75-5	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	95	96 hr	LC50	3000	PPB	1500-8500
Malathion	121-75-5	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	95	48 hr	LC50	47	PPB	32-69
Malathion	121-75-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	95	96 hr	LC50	20	PPB	16-25
Malathion	121-75-5	Fishes	Redear sunfish	Lepomis microlophus	3.2g	S	95	96 hr	LC50	62	PPB	58-67
Malathion	121-75-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0g	S	95	96 hr	LC50	4.1	PPB	2.2-7.4
Malathion	121-75-5	Fishes	Yellow perch	Perca flavescens	1.4 g	S	95	96 h	LC50	263	PPB	205-338
Malathion	121-75-5	Fishes	Largemouth bass	Micropterus salmoides	1.4 g	S	95	96 hr	LC50	250	PPB	220-310
Malathion	121-75-5	Fishes	Common carp	Cyprinus carpio	0.6 g	S	95	96 hr	LC50	6590	PPB	4920-88200
Malathion	121-75-5	Fishes	Fathead minnow	Pimephales promelas	0.9g	S	95	96 hr	LC50	8650	PPB	6450-11500
Malathion	121-75-5	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	95	96 hr	LC50	7620	PPB	5820-99700
Malathion	121-75-5	Fishes	Spot	Leiostomus xanthurus	Juv	F	95	48 hr	LC50	320	PPB	N.R.
Malathion	121-75-5	Fishes	Striped mullet	Mugil cephalus	Juv	F	95	48 hr	LC50	330	PPB	N.R.
Malathion	121-75-5	Fishes	Longnose killifish	Fundulus similis	Juv	F	95	48 hr	LC50	150	PPB	N.R.
Malathion	121-75-5	Fishes	Coho salmon	Oncorhynchus kisutch	1.0 g	S	95	96 hr	LC50	170	PPB	160-180
Malathion	121-75-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.3g	S	95	96 hr	LC50	174	PPB	112-269
Malathion	121-75-5	Fishes	Brown trout	Salmo trutta	1.1 g	S	95	96 hr	LC50	101	PPB	84-115
Malathion	121-75-5	Fishes	Lake trout	Salvelinus namaycush	1.1g	S	95	96 hr	LC50	76	PPB	47-123
Malathion	121-75-5	Fishes	Goldfish	Carassius auratus	0.9 g	S	95	96 hr	LC50	10700	PPB	8340-13800
Malathion	121-75-5	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	95	96 hr	LC50	11700	PPB	9600-14100
Malathion	121-75-5	Fishes	Green sunfish	Lepomis cyanellus	0.8 g	S	95	96 hr	LC50	146	PPB	90-234
Malathion	121-75-5	Fishes	Walleye	Stizostedion vitreum v.	1.3 g	S	95	96 hr	LC50	64	PPB	59-70

Malathion	121-75-5	Fishes	Tilapia	Tilapia mossambica	0.85 g	S	95	96 hr	LC50	2000	PPB	N.R.
Malathion	121-75-5	Fishes	Rainbow trout	Oncorhynchus mykiss	2.28 g	S	95	96 hr	LC50	33	PPB	22-39
Malathion	121-75-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.75 g	S	95	48 hr	LC50	88	PPB	70-100
Malathion	121-75-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.48 g	F	96.9	96 Hr	LC50	170	PPB	90-460
Malathion	121-75-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.53 g	F	96.9	96 Hr	LC50	48	PPB	29-107
Malathion	121-75-5	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	48 hr	LC50	1.8	PPB	1.3-2.4
Malathion	121-75-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	0.76	PPB	0.63-.92
Malathion Dicarboxylic acid (degradate)	121-75-5	Crustacea	Water flea	Daphnia magna	< 24hr	F	98.8	48 Hr	EC50	66.9	PPM	48.1-93
Malathion monocarboxylic acid (degradate)	121-75-5	Crustacea	Water flea	Daphnia magna	< 24hr	F	92.2	48 Hr	EC50	3100	PPB	1700-7000
Malathion monocarboxylic acid (degradate)	121-75-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.52 g	F	92.2	96 Hr	LC50	77000	PPB	51000-155000
Maleic hydrazide	123-33-1	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	107.5	PPM	93.6-123.6
Mancozeb	8018-01-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	2.04	PPM	1.8-2.2
Mancozeb	8018-01-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80	96 hr	LC50	0.46	PPM	0.40-.54
Mancozeb	8018-01-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	80	96 hr	LC50	1.35	PPM	0.6-2.9
Mancozeb	8018-01-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	82.4	48 hr	EC50	1	PPM	0.87-1.3
Mancozeb	8018-01-7	Crustacea	Mysid	Americamysis bahia	N.R.	S	82.4	24 Hr	LC50	0.067	PPM	0.058-0.079
Mancozeb	8018-01-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	82.4	96 hr	LC50	1.5	PPM	1.16-2.1
Mancozeb	8018-01-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.004g	F	82.4	96 hr	LC50	1.6	PPM	1.2-2.3
Mancozeb	8018-01-7	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	F	82.4	96 hr	EC50	1.6	PPM	1.4-1.8
Mancozeb	8018-01-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.91 g	S	Tech	96 hr	LC50	0.64	PPM	0.46-.89
Mancozeb (Dithane M-45 formulation)	8018-01-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	80	72 hr	LC50	3.9	PPM	3.4-4.3
Mancozeb (Dithane M-45 formulation)	8018-01-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	80	96 Hr	LC50	1.35	PPM	NR
Mancozeb (Dithane M-45 formulation)	8018-01-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.464	F	81.3	96 hr	LC50	0.91	PPM	0.77-1.1

Mancozeb (Dithane M-45)	8018-01-7	Fishes	Goldfish	Carassius auratus	2.75 g	S	86	48 hr	LC50	8.94	PPM	8-10
Mancozeb (Dithane M-45)	8018-01-7	Fishes	Rainbow trout	Oncorhynchus mykiss	< 0.54	S	86	48 hr	LC50	1.86	PPM	1.5-2.48
Mancozeb Dithane DG formulation	8018-01-7	Crustacea	Water flea	Daphnia magna	LifCyc	F	77.1	21D	EC50	0.024	PPM	0.013-0.050
Mancozeb Dithane M-45	8018-01-7	Crustacea	Mysid	Americamysis bahia	3 D	F	82.4	96 hr	LC50	10.6	PPB	8.6-14.2
Mancozeb ETU metabolite see 600016	8018-01-7	Crustacea	Water flea	Daphnia magna	24 hr	S	99.6	48 hr	EC50	26.8	PPM	19.6-38.1
Mandipropamid	374726-62-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.1	96 hr	LC50	1.7	PPM	1.5-2.0
Mandipropamid	374726-62-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.23 g	F	96.1	96 hr	LC50	4.5	PPM	2.3-6.1
Mandipropamid	374726-62-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	F	96.1	96 hr	LC50	4.4	PPM	3.9-4.9
Mandipropamid	374726-62-2	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	96.1	96 hr	EC50	0.91	PPM	0.83-0.99
Mandipropamid	374726-62-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.5	48 hr	EC50	7.1	PPM	4.7-10.6
Mandipropamid CGA380778 metabolite	374726-62-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	54.2	PPM	48.4-62.9
Maneb	12427-38-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	Tech	48 hr	LC50	3.8	PPM	N.R.
Maneb	12427-38-2	Fishes	Longnose killifish	Fundulus similis	Juv	S	Tech	48 hr	LC50	1.6	PPM	N.R.
Maneb	12427-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	TEP	72 Hr	LC50	3.85	PPM	N.R.
Maneb 80 WP	12427-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	80WP	96 hr	LC50	160	PPB	126-207
Maneb 80 WP	12427-38-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	80WP	96 hr	LC50	52	PPB	40.6-65.3
Maneb 80 WP formulation	12427-38-2	Crustacea	Water flea	Daphnia magna	< 24hr	S	80WP	48 hr	LC50	120	PPB	90-150
Maneb 80WP	12427-38-2	Crustacea	Mysid	Americamysis bahia	N.R.	S	84.8	96 hr	LC50	3.3	PPB	2.4-4.0
Maneb 80WP	12427-38-2	Fishes	Atlantic silverside	Menidia menidia	Juv	F	84.8	96 hr	LC50	230	PPB	180-270
Maneb 80WP formulation	12427-38-2	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	F	84.8	96 hr	EC50	645	PPB	306-1182
Maneb Dithane M-22	12427-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.67g	S	80	96 hr	LC50	979	PPB	861-1090
Maneb Dupont Manzate	12427-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80	96 hr	LC50	0.99	PPM	N.R.
MCPA 2-ethylhexyl ester	29450-45-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93.5	96 hr	LC50	200	PPB	N.R.
MCPA 2-ethylhexyl ester	29450-45-1	Fishes	Rainbow trout	Oncorhynchus mykiss	2.81 g	S	93.9	96 hr	LC50	3.2	PPM	NA
MCPA 2-ethylhexyl ester	29450-	Fishes	Bluegill sunfish	Lepomis	1.96 g	S	93.9	96 hr	LC50	1.15	PPM	NR

	45-1			macrochirus								
MCPA 2-methyl-4-chlorophenoxy acetic acid	94-74-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.26 g	S	94	96 hr	LC50	89	PPM	72-109
MCPA acid	94-74-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.08 g	S	94	96 hr	LC50	91	PPM	72.02-110.39
MCPA acid	94-74-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.71g	S	94	96 hr	LC50	97	PPM	79.74-117.99
MCPA acid	94-74-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	94.6	96 hr	LC50	236	PPM	199-291
MCPA acid	94-74-6	Fishes	Atlantic silverside	Menidia menidia	0.16 g	S	94.6	96 hr	LC50	179	PPM	138-291
MCPA acid	94-74-6	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	94.6	48 hr	EC50	155	PPM	N.R.
MCPA dimethylamine salt	2039-46-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	F	77	96 hr	LC50	635.4	PPM	350-870
MCPA dimethylamine salt	2039-46-5	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	77	96 hr	EC50	30.8	PPM	22.0-46.9
MCPP acid (Mecoprop)	93-65-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	92.7	96 hr	LC50	124.8	PPM	109-152
Mefenoxam	70630-17-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.1	96 hr	EC50	9.7	PPM	8.2-11
Mefenpyr diethyl	135590-91-9	Crustacea	Water flea	Daphnia magna	< 24Hr	S	94.5	48 Hr	EC50	5.6	PPM	5.2-6.2
Mefenpyr-diethyl HOE-107892	135590-91-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.3	48 hr	EC50	52	PPM	42-65
Mefenpyr-diethyl HOE-107892	135590-91-9	Fishes	Rainbow trout	Oncorhynchus mykiss	2.13 g	S	94.3	96 hr	LC50	4.2	PPM	3.2-5.6
Mercuric chloride	7487-94-7	Fishes	Tidewater silverside	Menidia peninsulae	Larvae	S	74	96 hr	LC50	71	PPB	60-84
Mercuric chloride	7487-94-7	Fishes	Spot	Leiostomus xanthurus	Adult	S	74	96 hr	LC50	36	PPB	32-39
Mesotrione	104206-82-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.8	48 hr	EC50	840	PPM	622-1042
Mesotrione	104206-82-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.8	96 hr	LC50	3.3	PPM	2.1-5.5
Mesotrione	104206-82-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.86 g	S	96.8	96 hr	LC50	520	PPM	340-550
Mesotrione	104206-82-8	Mollusca	Pacific oyster	Crassostrea gigas	Larva	S	96.8	48 hr	EC50	72.1	PPM	64-74
Mesotrione(AMBA metabolite)	104206-82-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	160	PPM	140-190
Mesotrione(AMBA metabolite)	104206-82-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	99	96 hr	LC50	150	PPM	130-180
Mesotrione(MNBA metabolite)	104206-82-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.1	48 hr	EC50	134	PPM	100-180
Metalaxyl	57837-19-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.4	48 hr	EC50	28	PPM	21-37
Metalaxyl	57837-19-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	94.4	96 hr	LC50	150	PPM	130-170
Metalaxyl	57837-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	94.4	96 hr	LC50	130	PPM	100-160

Metalaxyl	57837-19-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.1	48 hr	EC50	121	PPM	80-181
Metalaxyl	57837-19-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	S	95.1	96 hr	LC50	132	PPM	103-169
Metalaxyl	57837-19-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.88 g	S	95.1	96 hr	LC50	139	PPM	N.R.
Metalaxyl	57837-19-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.1	96 hr	LC50	25.7	PPM	21-32
Metalaxyl	57837-19-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.1	96 hr	EC50	4.6	PPM	2.8-11
Metalaxyl	57837-19-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.9	48 hr	EC50	29.3	PPM	21.6-33
Metaldehyde	108-62-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	149.8	PPM	N.R.
Metaldehyde	108-62-3	Fishes	Steelhead trout	Oncorhynchus mykiss irideus	Fry	S	99	96 hr	LC50	7.3	PPM	6.8-7.9
Metaldehyde	108-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	99	96 hr	LC50	62	PPM	54-71.4
Metaldehyde	108-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.64 g	SR	99.3	96 hr	LC50	69	PPM	53-89
Metaldehyde	108-62-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.18 g	SR	99.3	21 D	LC50	72.3	PPM	N.A.
Metam sodium	137-42-8	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	100	48 hr	LC50	35	PPB	N.R.
Metconazole	125116-23-6	Fishes	Common carp	Cyprinus carpio	0.52 g	F	97.9	96 hr	LC50	3.3	PPM	2.6-4.3
Metconazole cis/Metconazole trans isomer mix	125116-23-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.70 g	F	97.9	28 D	LC50	1.71	PPM	1.16-2.53
Metconazole cis/Metconazole trans isomer mix	125116-23-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.14 g	S	98.7	96 hr	LC50	6.3	PPM	4.6-8.5
Metconazole cis/Metconazole trans isomer mix	125116-23-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98.7	96 hr	EC50	2	PPM	1.7-2.4
Methamidophos	10265-92-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	3 mo	S	70.1	96 hr	LC50	5.63	PPM	4.13-6.89
Methamidophos	10265-92-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	72	48 hr	EC50	0.05	PPM	0.04-0.07
Methamidophos	10265-92-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	72.9	96 hr	EC50	35.8	PPM	30-47
Methamidophos	10265-92-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	72.9	96 hr	EC50	38	PPM	14-271
Methamidophos	10265-92-6	Crustacea	Water flea	Daphnia magna	1st-I	S	74	48 hr	EC50	0.026	PPM	0.02-0.03
Methamidophos	10265-92-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	74	96 hr	LC50	25	PPM	21-29
Methamidophos	10265-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	74	96 hr	LC50	34	PPM	30-38
Methamidophos	10265-92-6	Fishes	Rainbow trout	Oncorhynchus mykiss	<75 mm	S	75	96 hr	LC50	51	PPM	36-76

Methamidophos	10265-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	<75mm	S	75	96 hr	LC50	46	PPM	34-62
Methamidophos	10265-92-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	75.4	96 hr	LC50	1.28	PPM	N.R.
Methamidophos	10265-92-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	75.4	96 hr	LC50	45	PPM	34-58
Methamidophos	10265-92-6	Fishes	Common carp	Cyprinus carpio	N.R.	SR	90	96 hr	LC50	68	PPM	N.R.
Methamidophos	10265-92-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.027	PPM	0.014-0.053
Methamidophos	10265-92-6	Crustacea	Mysid	Americamysis bahia	<5 D	S	Tech	96 hr	LC50	1.05	PPM	0.07-Inf.
Methanol (pesticide grade)	67-56-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.62 g	S	Tech	96 hr	LC50	21500	PPM	N.R.
Methazole	20354-26-1	Crustacea	Water flea	Daphnia carinata	<24 hr	F	95	48 hr	EC50	1.3	PPM	0.76-2.2
Methazole (Probe VCS-438 Technical)	20354-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	NR	NR	89	96 hr	LC50	3.14	PPM	
Methazole (Probe VCS-438 Technical)	20354-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	NR	NR	89	96 hr	LC50	4.086	PPM	3.38-4.94
Methazole (Probe VCS-438 Technical)	20354-26-1	Crustacea	Shore shrimp	Palaemonetes vulgaris	Adult	NR	90	96 hr	LC50	13.4	PPM	11.7-15.4
Methazole (Probe VCS-438 Technical)	20354-26-1	Fishes	Mummichog	Fundulus heteroclitus	Adult	NR	90	96 hr	LC50	4.3	PPM	3.3-5.5
Methazole (Probe VCS-438 Technical)	20354-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	NR	NR	90	96 hr	LC50	4.47	PPM	3.94-5.07
Methazole (Probe VCS-438 Technical)	20354-26-1	Fishes	Cunner	Tautogolabrus adspersus	Adult	NR	90	96 hr	LC50	6.9	PPM	6.1-7.9
Methazole (Probe VCS-438 Technical)	20354-26-1	Mollusca	Eastern oyster	Crassostrea virginica	Adult	NR	90	48 hr	EC50	4.97	PPM	3.09-8
Methidathion	950-37-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	95	96 hr	LC50	10	PPB	4.8-20.0
Methidathion	950-37-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	7500	PPB	6900-8200
Methidathion	950-37-8	Crustacea	Mysid	Americamysis bahia	Juv	S	97.2	96 hr	LC50	0.7	PPB	0.44-0.99
Methidathion	950-37-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	14-20D	S	97.2	96 hr	LC50	7.8	PPB	6.9-11.0
Methidathion	950-37-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	97.7	96 hr	LC50	2.2	PPB	0.9-5.1
Methidathion	950-37-8	Fishes	Goldfish	Carassius auratus	N.R.	S	97.7	96 hr	LC50	6.8	PPM	4.9-9.5
Methidathion	950-37-8	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98.5	48 hr	LC50	15	PPB	N.R.

Methidathion	950-37-8	Fishes	Spot	Leiostomus xanthurus	Juv	F	98.5	48 hr	LC50	32	PPB	N.R.
Methidathion	950-37-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	98.5	96 hr	LC50	14	PPB	9-22
Methidathion	950-37-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	98.5	96 hr	LC50	9	PPB	6.1-13.3
Methidathion	950-37-8	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	100	48 hr	EC50	7.9	PPB	N.R.
Methidathion	950-37-8	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	6.4	PPB	5.1-8.1
Methiocarb	2032-65-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Adult	SR	97	56 D	LC50	546	PPB	436-999
Methiocarb	2032-65-7	Fishes	Bluegill sunfish	Lepomis macrochirus	.3-.8g	S	98	96 hr	LC50	754	PPB	640-889
Methiocarb	2032-65-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8+g	S	98	96 hr	LC50	436	PPB	356-536
Methiocarb	2032-65-7	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	99	48 hr	LC50	32	PPB	N.R.
Methiocarb	2032-65-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	99	96 hr	LC50	0.75	PPB	0.63-0.893
Methiocarb	2032-65-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	99	96 hr	LC50	210	PPB	121-364
Methiocarb	2032-65-7	Fishes	Longnose killifish	Fundulus similis	Juv	F	99	96 hr	LC50	320	PPB	N.R.
Methiocarb	2032-65-7	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	19	PPB	13-26
Methiocarb	2032-65-7	Crustacea	Glass shrimp	Palaemonetes kadiakensis	N.R.	S	Tech	96 hr	LC50	110	PPB	100-130
Methiocarb	2032-65-7	Crustacea	Crayfish	Procambarus acutus acutus	N.R.	S	Tech	96 hr	LC50	1300	PPB	930-1900
Methiocarb	2032-65-7	Mollusca	River Horn snail	Oxytrema catenaria	Adult	S	Tech	96 hr	LC50	100	PPB	80-110
Methiocarb	2032-65-7	Mollusca	Asiatic clam	Corbicula manilensis	Adult	S	Tech	96 hr	LC50	8800	PPB	4700-13000
Methiocarb (Mercaptodimethur)	2032-65-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	98.4	96 hr	LC50	4700	PPB	3800-8100
Methomyl	16752-77-5	Crustacea	Mud crab	Neopanope texana	N.R.	S	90	96 hr	LC50	410	PPB	220-760
Methomyl	16752-77-5	Crustacea	Shore shrimp	Palaemonetes vulgaris	N.R.	S	90	96 hr	LC50	49	PPB	30-80
Methomyl	16752-77-5	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	90	96 hr	LC50	19	PPB	12-30
Methomyl	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	3.4	PPM	2.6-4.4
Methomyl	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	2.4	PPM	N.R.
Methomyl	16752-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.16 g	S	90	96 hr	LC50	2.15	PPM	1.885-2.45
Methomyl	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	S	90	96 hr	LC50	2.6	PPM	2.24-3.02
Methomyl	16752-77-5	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	8.8	PPB	4.1-19

Methomyl	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8g	S	95	96 hr	LC50	0.86	PPM	0.59-1.26
Methomyl	16752-77-5	Fishes	Fathead minnow	Pimephales promelas	0.75g	S	95	96 hr	LC50	2.8	PPM	1.8-4.3
Methomyl	16752-77-5	Fishes	Largemouth bass	Micropterus salmoides	3 g	S	95	96 hr	LC50	1.25	PPM	0.97-1.6
Methomyl	16752-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	95	96 hr	LC50	0.48	PPM	0.32-0.71
Methomyl	16752-77-5	Fishes	Channel catfish	Ictalurus punctatus	1 g	S	95	96 hr	LC50	0.53	PPM	.375-.75
Methomyl	16752-77-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	N.R.	S	98	96 hr	LC50	4.05	PPM	N.R.
Methomyl	16752-77-5	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.4	96 hr	LC50	230	PPB	210-260
Methomyl	16752-77-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	98.4	96 hr	LC50	1.16	PPM	1.0-1.3
Methomyl	16752-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98.7	96 hr	LC50	1.88	PPM	1.6-2.21
Methomyl	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	S	98.7	96 hr	LC50	1.6	PPM	1.3-1.9
Methomyl	16752-77-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.93 g	S	98.7	96 hr	LC50	1.75	PPM	1.5-2.0
Methomyl	16752-77-5	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	99	96 hr	LC50	920	PPB	680-1240
Methomyl	16752-77-5	Fishes	Atlantic salmon	Salmo salar	.0.48g	S	99	96 hr	LC50	0.56	PPM	0.46-0.69
Methomyl	16752-77-5	Fishes	Brook trout	Salvelinus fontinalis	1.1g	S	99	96 hr	LC50	1.5	PPM	1.2-1.8
Methomyl	16752-77-5	Crustacea	Water flea	Daphnia magna	N.R.	S	>99	48 hr	EC50	31.7	PPB	29.5-34.1
Methomyl (Lannate)	16752-77-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.94 g	S	90	96 hr	LC50	2.38	PPM	1.19-4.76
Methoprene	40596-69-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.89	PPM	0.68-1.30
Methoprene	40596-69-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	1.52	PPM	N.R.
Methoprene	40596-69-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	Tech	48 hr	EC50	0.269	PPM	0.169-0.428
Methoxychlor	72-43-5	Crustacea	Water flea	Daphnia pulex	1st-I	S	89.5	48 hr	EC50	0.78	PPB	0.57-1.07
Methoxychlor	72-43-5	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	89.5	48 hr	EC50	5	PPB	3.8-6.6
Methoxychlor	72-43-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	89.5	96 hr	LC50	1.9	PPB	1.2-3.1
Methoxychlor	72-43-5	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	89.5	96 hr	LC50	1.05	PPB	0.76-1.46
Methoxychlor	72-43-5	Crustacea	Crayfish	Orconectes nais	Juv	S	89.5	96 hr	LC50	0.5	PPB	0.25-1.80
Methoxychlor	72-43-5	Crustacea	Scud	Gammarus lacustris	Adult	S	89.5	96 hr	LC50	0.8	PPB	0.56-1.14
Methoxychlor	72-43-5	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	89.5	48 hr	LC50	32	PPB	23-45
Methoxychlor	72-43-5	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	89.5	96 hr	LC50	34	PPB	25-47

Methoxychlor	72-43-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2g	S	89.5	96 hr	LC50	32	PPB	20-49
Methoxychlor	72-43-5	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	98	96 hr	LC50	1	PPB	0.57-1.8
Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	98	96 hr	LC50	11	PPB	5.9-20.5
Methoxychlor	72-43-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	2.2g	F	98	96 hr	LC50	6.2	PPB	5.5-7.0
Methoxychlor	72-43-5	Fishes	Brook trout	Salvelinus fontinalis	0.58g	S	98	96 hr	LC50	7	PPB	5.6-8.7
Methoxychlor	72-43-5	Fishes	Atlantic salmon	Salmo salar	Fry	S	98	96 hr	LC50	12.2	PPB	9.5-15.6
Methoxychlor	72-43-5	Fishes	Channel catfish	Ictalurus punctatus	1.2g	S	98	96 hr	LC50	52	PPB	38-71
Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	2.4 g	F	98	96 hr	LC50	61	PPB	44-84
Methoxychlor	72-43-5	Fishes	Brook trout	Salvelinus fontinalis	1.5g	F	98	96 hr	LC50	12	PPB	10-14
Methoxychlor	72-43-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	2 g	S	98	96 hr	LC50	13	PPB	10-18
Methoxychlor	72-43-5	Fishes	Yellow perch	Perca flavescens	1.0g	S	98	96 hr	LC50	30	PPB	22.8-39.4
Methoxychlor	72-43-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	98	96 hr	LC50	25	PPB	20-32
Methoxychlor	72-43-5	Fishes	Lake trout	Salvelinus namaycush	3.2g	S	98	96 hr	LC50	16	PPB	12-22
Methoxychlor	72-43-5	Fishes	Northern pike	Esox lucius	0.7g	S	98	96 hr	LC50	11.5	PPB	N.R.
Methoxychlor	72-43-5	Fishes	Goldfish	Carassius auratus	1.0g	S	98	96 hr	LC50	42	PPB	32-54
Methoxychlor	72-43-5	Fishes	Fathead minnow	Pimephales promelas	1.2g	S	98	96 hr	LC50	39	PPB	31.0-49.0
Methoxychlor	72-43-5	Fishes	Largemouth bass	Micropterus salmoides	2.2g	S	98	96 hr	LC50	14	PPB	12.0-16.0
Methoxychlor	72-43-5	Fishes	Tilapia	Tilapia mossambica	N.R.	S	98	96 hr	LC50	76	PPB	N.R.
Methoxychlor	72-43-5	Fishes	Atlantic salmon	Salmo salar	0.56 g	S	98	96 hr	LC50	16.4	PPB	13.8-19.5
Methoxychlor	72-43-5	Fishes	Brook trout	Salvelinus fontinalis	Fry	S	98	96 hr	LC50	8.6	PPB	6.9-10.7
Methoxychlor	72-43-5	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	100	48 hr	LC50	3.6	PPB	N.R.
Methoxychlor	72-43-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	6.8	PPB	N.R.
Methoxychlor	72-43-5	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	100	48 hr	LC50	20	PPB	N.R.
Methoxychlor	72-43-5	Crustacea	Blue crab	Callinectes sapidus	Juv	F	100	48 hr	LC50	320	PPB	N.R.
Methoxychlor	72-43-5	Fishes	Spot	Leiostomus xanthurus	Juv	F	100	48 hr	LC50	23	PPB	N.R.
Methoxychlor	72-43-5	Fishes	Striped mullet	Mugil cephalus	Juv	F	100	48 hr	LC50	32	PPB	N.R.
Methoxychlor	72-43-5	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	90	PPB	N.R.
Methoxychlor	72-43-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6+ g	S	Tech	96 hr	LC50	75	PPB	71-79
Methoxychlor	72-43-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	Tech	96 hr	LC50	42	PPB	40-44

Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6+ g	S	Tech	96 hr	LC50	30	PPB	28-32
Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6+ g	S	Tech	96 hr	LC50	62	PPB	57-67
Methoxychlor	72-43-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	Tech	96 hr	LC50	43	PPB	33.4-55.4
Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	Tech	96 hr	LC50	8.8	PPB	7.7-10.05
Methoxychlor	72-43-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.51 g	S	Tech	96 hr	LC50	11	PPB	8.62-14.04
Methoxyfenozide	161050-58-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	1.3	PPM	1.2-1.5
Methoxyfenozide	161050-58-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	1.2	PPM	0.98-1.5
Methoxyfenozide	161050-58-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.2	48 hr	EC50	3.7	PPM	3.1-4.5
Methyl anthralinate	134-20-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.14 g	S	98	96 hr	LC50	22.9	PPM	21.6-24.4
Methyl anthralinate	134-20-3	Fishes	Channel catfish	Ictalurus punctatus	0.12 g	S	98	96 hr	LC50	16.23	PPM	11.6-22.5
Methyl anthralinate	134-20-3	Fishes	Atlantic salmon	Salmo salar	0.3 g	S	98	96 hr	LC50	32.35	PPM	N.R.
Methyl anthralinate	134-20-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.62 g	S	98	96 hr	LC50	9.12	PPM	8.0-10.5
Methyl anthralinate	134-20-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	F	99.87	96 hr	LC50	25.4	PPM	20.4-33.9
Methyl anthralinate	134-20-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	F	99.87	96 hr	LC50	42.56	PPM	33.6-53.9
Methyl bromide	74-83-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.87	48 hr	EC50	2.6	PPM	2.2-3.5
Methyl bromide	74-83-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.13 g	S	99.87	96 hr	LC50	3.9	PPM	2.9-4.6
Methyl chloroform	71-55-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.4	48 hr	EC50	11.2	PPM	9.7-12.8
Methyl chloroform	71-55-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	96.4	96 hr	LC50	58	PPM	51-68
Methyl chloroform	71-55-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	96.4	24 hr	LC50	52	PPM	46-59
Methyl esters of fatty acids	67762-39-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.6	48 hr	EC50	1.7	PPM	1.4-1.9
Methyl esters of fatty acids	67762-39-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	100	96 hr	LC50	402	PPM	311-552
Methyl isothiocyanate	556-61-6	Fishes	Bluegill sunfish	Lepomis macrochirus	4MOS	F	94.9	96 hr	LC50	142	PPB	88-250
Methyl isothiocyanate	556-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	3MOS	F	94.9	96 hr	LC50	94	PPB	78-131
Methyl isothiocyanate	556-61-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	94.9	96 hr	LC50	142	PPB	88-251
Methyl isothiocyanate	556-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64 g	F	94.9	96 hr	LC50	94	PPB	78-131
Methyl isothiocyanate	556-61-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	95	48 hr	EC50	55	PPB	N.R.
Methyl isothiocyanate	556-61-6	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.6	48 hr	EC50	0.076	PPM	0.05-0.115

Methyl isothiocyanate	556-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	SR	99.6	96 hr	LC50	0.0512	PPM	0.032-0.178
Methyl isothiocyanate	556-61-6	Fishes	Common carp	Cyprinus carpio	N.R.	S	Tech	96 hr	LC50	0.37	PPM	0.1-0.5
Methyl isothiocyanate	556-61-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.12	PPM	0.09-0.16
Methyl isothiocyanate	556-61-6	Fishes	Rainbow trout	Oncorhynchus mykiss	7.1 g	S	Tech	96 hr	LC50	0.27	PPM	0.22-0.33
Methyl mercury dicyandiamide	502-39-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.007	S	99.5	96 Hr	LC50	0.265	PPM	0.244-0.288
Methyl nonyl ketone	112-12-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.9	48 hr	EC50	0.54	PPM	0.3-2.1
Methyl nonyl ketone	112-12-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	100	96 hr	LC50	2.1	PPM	1.6-3.1
Methyl nonyl ketone	112-12-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	100	96 hr	LC50	3	PPM	2.2-4.4
Methyl parathion	298-00-0	Crustacea	Water flea	Daphnia magna	LifCyc	S	75.1	48 hr	EC50	7.24	PPM	6.12-8.73
Methyl parathion	298-00-0	Fishes	Rainbow trout	Oncorhynchus mykiss	Fry	S	75.1	96 hr	LC50	7.5	PPM	6.2-9.1
Methyl parathion	298-00-0	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	77	96 hr	LC50	7.2	PPM	5.7-9.1
Methyl parathion	298-00-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	77	96 hr	LC50	1	PPM	.60-1.60
Methyl parathion	298-00-0	Fishes	Striped bass	Morone saxatilis	N.R.	F	80	96 hr	LC50	0.79	PPM	0.17-1.4
Methyl parathion	298-00-0	Fishes	Fathead minnow	Pimephales promelas	2 D	S	80	96 hr	LC50	9.5	PPM	N.R.
Methyl parathion	298-00-0	Fishes	Bluegill sunfish	Lepomis macrochirus	2 g	S	80	96 hr	LC50	2.4	PPM	N.R.
Methyl parathion	298-00-0	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	80	96 hr	LC50	9.4	PPM	0.20-121
Methyl parathion	298-00-0	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	90	48 hr	EC50	0.37	PPB	0.23-0.57
Methyl parathion	298-00-0	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	0.14	PPB	0.09-0.20
Methyl parathion	298-00-0	Crustacea	Scud	Gammarus fasciatus	Adult	S	90	96 hr	LC50	3.8	PPB	2.6-5.5
Methyl parathion	298-00-0	Crustacea	Crayfish	Orconectes nais	Adult	S	90	96 hr	LC50	15	PPB	N.R.
Methyl parathion	298-00-0	Fishes	Coho salmon	Oncorhynchus kisutch	1 gm	S	90	96 hr	LC50	5.3	PPM	4.9 -5.6
Methyl parathion	298-00-0	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.2g	S	90	96 hr	LC50	1.85	PPM	1.39-2.47
Methyl parathion	298-00-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1g	S	90	96 hr	LC50	3.7	PPM	3.13-4.38
Methyl parathion	298-00-0	Fishes	Brown trout	Salmo trutta	1.1g	S	90	96 hr	LC50	4.7	PPM	3.90-5.75
Methyl parathion	298-00-0	Fishes	Lake trout	Salvelinus namaycush	0.5g	S	90	96 hr	LC50	3.78	PPM	2.81-5.09
Methyl parathion	298-00-0	Fishes	Goldfish	Carassius auratus	0.9g	S	90	96 hr	LC50	9	PPM	8.10-9.90
Methyl parathion	298-00-0	Fishes	Common carp	Cyprinus carpio	0.6g	S	90	96 hr	LC50	7.13	PPM	6.44-7.87
Methyl parathion	298-00-0	Fishes	Fathead minnow	Pimephales promelas	1.2g	S	90	96 hr	LC50	8.9	PPM	7.78-10.20

Methyl parathion	298-00-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	28 D	S	90	96 hr	LC50	12	PPM	10.0 - 40.0
Methyl parathion	298-00-0	Fishes	Black bullhead	Ictalurus melas	1.2g	S	90	96 hr	LC50	6.64	PPM	4.97-8.88
Methyl parathion	298-00-0	Fishes	Channel catfish	Ictalurus punctatus	1.4g	S	90	96 hr	LC50	5.24	PPM	4.27-6.44
Methyl parathion	298-00-0	Fishes	Green sunfish	Lepomis cyanellus	0.8g	S	90	96 hr	LC50	6.86	PPM	5.59-8.42
Methyl parathion	298-00-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0g	S	90	96 hr	LC50	4.38	PPM	3.48-5.51
Methyl parathion	298-00-0	Fishes	Largemouth bass	Micropterus salmoides	0.98g	S	90	96 hr	LC50	5.22	PPM	4.32-6.31
Methyl parathion	298-00-0	Fishes	Yellow perch	Perca flavescens	1.4g	S	90	96 hr	LC50	3.06	PPM	2.53-3.7
Methyl parathion	298-00-0	Fishes	Lake trout	Salvelinus namaycush	0.5 g	S	90	96 hr	LC50	3.78	PPM	2.81-5.09
Methyl parathion	298-00-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	90	96 hr	LC50	2.75	PPM	2.0-3.78
Methyl parathion	298-00-0	Fishes	Northern pike	Esox lucius	0.4 g	S	90	96 hr	LC50	0.76	PPM	N.R.
Methyl parathion	298-00-0	Crustacea	Marine copepod	Acartia tonsa	Adult	S	99	96 hr	LC50	28	PPB	16-49
Methyl parathion	298-00-0	Crustacea	Mysid	Americamysis bahia	1 D	S	99	96 hr	LC50	0.98	PPB	0.81-1.2
Methyl parathion	298-00-0	Crustacea	Mysid	Americamysis bahia	1 D	F	99	96 hr	LC50	0.78	PPB	0.58-1.1
Methyl parathion	298-00-0	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	99	48 hr	LC50	2.6	PPB	N.R.
Methyl parathion	298-00-0	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	99	96 hr	LC50	1.2	PPB	0.91-1.4
Methyl parathion	298-00-0	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	99	96 hr	LC50	1.4	PPB	1.3-1.6
Methyl parathion	298-00-0	Fishes	Spot	Leiostomus xanthurus	Adult	S	99	96 hr	LC50	0.093	PPM	0.056-.32
Methyl parathion	298-00-0	Fishes	Spot	Leiostomus xanthurus	Adult	F	99	96 hr	LC50	0.059	PPM	0.045-0.074
Methyl parathion	298-00-0	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	99	48 hr	LC50	13.4	PPM	13.2-13.7
Methyl parathion	298-00-0	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	99	48 hr	EC50	12	PPM	1.0-160
Methyl parathion	298-00-0	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	Tech	24 hr	LC50	2.5	PPB	1.4-3.9
Methyl parathion	298-00-0	Fishes	Green sunfish	Lepomis cyanellus	N.R.	S	Tech	48 hr	LC50	207	PPB	N.R.
Methyl parathion	298-00-0	Fishes	Mosquitofish	Aplocheilus letipes	N.R.	S	Tech	24 hr	LC50	2.9	PPM	N.R.
Methyl parathion	298-00-0	Fishes	Mosquitofish	Zacco platypus	N.R.	S	Tech	24 hr	LC50	4.6	PPM	N.R.
Methylene bis(thiocyanate)	6317-18-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	70	PPB	60-90
Methylene bis(thiocyanate)	6317-18-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	39	PPB	33-44
Methylene bis(thiocyanate)	6317-18-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99	96 hr	LC50	240	PPB	180-320
Methylene bis(thiocyanate)	6317-18-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	210	PPB	180-750
Methylene bis(thiocyanate)	6317-18-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.2	96 hr	LC50	36	PPB	32-42

Methylene bis(thiocyanate)	6317-18-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.22 g	F	99.2	96 hr	LC50	606	PPB	529-719
Methylene bis(thiocyanate)	6317-18-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.2	96 hr	EC50	3.4	PPB	1.4-5.9
Methylene bis(thiocyanate)	6317-18-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	61	PPB	36-100
Methylene bis(thiocyanate)	6317-18-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.31 g	S	100	96 hr	LC50	250	PPB	130-360
Methylene bis(thiocyanate)	6317-18-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.30 g	S	100	96 hr	LC50	89	PPB	0-180
Metiram	9006-42-2	Fishes	Rainbow trout	Oncorhynchus mykiss	7 mons	F	71.04	96 hr	LC50	0.229	PPM	0.14-0.93
Metiram	9006-42-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	91.6	48 hr	EC50	632	PPB	524-1047
Metiram	9006-42-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	91.6	96 hr	LC50	25.16	PPB	18.7-33.3
Metiram	9006-42-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	91.6	96 hr	EC50	83	PPB	37-190
Metiram	9006-42-2	Crustacea	Dungeness crab	Cancer magister	Adult	S	100	96 hr	LC50	5.9	PPM	NR
Metofluthrin	240494-70-6	Fishes	Common carp	Cyprinus carpio	1.62 g	F	94.9	96 hr	LC50	2.61	PPB	1.54-6.8
Metofluthrin	240494-70-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.4	48 hr	EC50	4.7	PPB	3-5.8
Metofluthrin	240494-70-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8 g	F	95.4	96 hr	LC50	1.2	PPB	0.71-1.5
Metolachlor	51218-45-2	Crustacea	Water flea	Daphnia magna	1st-I	S	95.4	48 hr	EC50	23.5	PPM	18.7-29.5
Metolachlor	51218-45-2	Fishes	Fathead minnow	Pimephales promelas	0.70 g	S	95.4	96 hr	LC50	8	PPM	5.4-12.0
Metolachlor	51218-45-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	S	97	96 hr	LC50	7.9	PPM	4.4-inf.
Metolachlor	51218-45-2	Crustacea	Water flea	Daphnia magna	Adult	F	97.2	21 D	EC50	12.4	PPM	10.3-15.3
Metolachlor	51218-45-2	Crustacea	Mysid	Americamysis bahia	<24hr	F	97.3	96 hr	LC50	4.9	PPM	4.2-5.9
Metolachlor	51218-45-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.22 g	F	97.3	96 hr	LC50	9.8	PPM	8.5-11.4
Metolachlor	51218-45-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.3	96 hr	EC50	1.6	PPM	1.4-1.9
Metolachlor	51218-45-2	Crustacea	Water flea	Daphnia magna	1st-I	S	87EC	48 hr	EC50	26	PPM	19.4-34.9
Metolachlor	51218-45-2	Fishes	Fathead minnow	Pimephales promelas	0.5 g	S	87EC	96 hr	LC50	8.4	PPM	6.4-11.0
Metolachlor	51218-45-2	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	25.1	PPM	21.6-29.2
Metolachlor	51218-45-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	Tech	96 hr	LC50	3.9	PPM	3.3-4.6
Metolachlor	51218-45-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	Tech	96 hr	LC50	10	PPM	8.6-12.0
Metolachlor	51218-	Fishes	Crucian carp	Carassius carassius	N.R.	S	Tech	96 hr	LC50	4.9	PPM	3.6-6.8

	45-2											
Metolachlor	51218-45-2	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	Tech	96 hr	LC50	4.9	PPM	3.6-6.8
Metolachlor	51218-45-2	Fishes	Guppy	Poecilia reticulata	N.R.	S	Tech	96 hr	LC50	8.6	PPM	7.4-10.5
Metolachlor (CGA354473 metabolite)	51218-45-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.03 g	S	95	96 hr	LC50	48	PPM	36-64
Metrafenone	220899-03-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.2	96 hr	LC50	0.487	PPM	0.428-0.575
Metrafenone	220899-03-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	94.2	96 hr	EC50	0.22	PPM	0.20-0.25
Metrafenone CL 4084564 metabolite	220899-03-6	Crustacea	Water flea	Daphnia magna	<24 H	S	98.2	48 hr	EC50	50.9	PPM	42.1-63.5
Metrafenone CL 4084564 metabolite	220899-03-6	Fishes	Rainbow trout	Oncorhynchus mykiss	2.2 g	S	98.2	96 H	LC50	15.8	PPM	9.2-35.2
Metribuzin	21087-64-9	Crustacea	Water flea	Daphnia magna	1st-I	S	84	48 hr	EC50	98.5	PPM	91.6-104.5
Metribuzin	21087-64-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	90	96 hr	LC50	42	PPM	32.9-53.7
Metribuzin	21087-64-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	90	96 hr	LC50	92	PPM	68-124
Metribuzin	21087-64-9	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	92	96 hr	LC50	48.27	PPM	36.68-176.34
Metribuzin	21087-64-9	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	SR	92	96 hr	EC50	42	PPM	23-79
Metribuzin	21087-64-9	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	SR	92	96 hr	EC50	40.7	PPM	11-141
Metribuzin	21087-64-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	S	92.6	96 hr	LC50	85	PPM	60-102
Metribuzin	21087-64-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	92.6	96 hr	EC50	49.8	PPM	46.1-53.9
Metribuzin	21087-64-9	Crustacea	Water flea	Daphnia magna	1st-I	S	93	48 hr	EC50	4.18	PPM	2.9-5.9
Metribuzin	21087-64-9	Crustacea	Water flea	Daphnia magna	1st-I	S	93	48 hr	EC50	4.18	PPM	2.95-5.95
Metribuzin	21087-64-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	93.2	96 hr	LC50	64	PPM	56-72
Metribuzin	21087-64-9	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	97	96 hr	LC50	75.96	PPM	60.58-97.37
Metribuzin	21087-64-9	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	97	96 hr	LC50	76.77	PPM	46-100
Metribuzin Sencor 70% WP formulation	21087-64-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	70	96 hr	LC50	99	PPM	38-280
Metronidazole	443-48-1	Crustacea	Mysid	Americamysis bahia	2 D	S	98	96 hr	LC50	182	PPM	139-237
Mevinphos	7786-34-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	74.5	96 hr	LC50	1.3	PPB	1.2-1.4
Mevinphos	7786-34-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	9 D	F	74.5	96 hr	LC50	810	PPB	690-940
Mevinphos	7786-34-	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	100	48 hr	LC50	150	PPB	N.R.

	7											
Mevinphos	7786-34-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	100	48 hr	LC50	640	PPB	N.R.
Mevinphos	7786-34-7	Crustacea	Scud	Gammarus fasciatus	N.R.	S	Tech	96 hr	LC50	3.5	PPB	3.1-3.9
Mexacarbate (Zectran)	315-18-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.50 g	S	90	96 hr	LC50	14	PPM	11-17
Mexacarbate (Zectran)	315-18-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.70 g	S	90	48 hr	LC50	19	PPM	16-24
Mexacarbate (Zectran)	315-18-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.70 g	S	90	72 hr	LC50	8.2	PPM	5.9-11
Mexacarbate (Zectran)	315-18-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.70 g	S	90	96 hr	LC50	4.3	PPM	3.8-5.9
Mexacarbate (Zectran)	315-18-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	41	PPB	34-50
Mexacarbate (Zectran)	315-18-4	Crustacea	Scud	Gammarus lacustris	N.R	S	Tech	48 hr	LC50	76	PPB	63-91
Mexacarbate (Zectran)	315-18-4	Crustacea	Scud	Gammarus lacustris	N.R	S	Tech	96 hr	LC50	46	PPB	34-62
MGK-264	113-48-4	Crustacea	Water flea	Daphnia magna	24 hr	F	92.9	48 hr	EC50	2.3	PPM	1.9-4.6
MGK-264	113-48-4	Fishes	Rainbow trout	Oncorhynchus mykiss	2.4 g	F	92.9	96 hr	LC50	1.4	PPM	0.83-1.7
MGK-264	113-48-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	F	92.9	96 hr	LC50	2.4	PPM	1.7-3.6
MGK-264	113-48-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.407g	F	98	96 hr	LC50	0.1687	PPM	0.1312-.2007
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	97	48 hr	EC50	10	PPB	7.8-14.0
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97	96 hr	LC50	0.27	PPB	0.22-0.33
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Fishes	Fathead Minnow	Pimephales promelas	0.38 g	F	97	96 hr	LC50	35	PPB	26-46
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.69 g	F	97	96 hr	LC50	28	PPB	21-38
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	F	97	96 hr	LC50	4.5	PPB	3.9-5.0
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	F	97	96 hr	LC50	28	PPB	13-38
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Mollusca	Eastern oyster	Crassostrea virginica	Emblrv	S	97	48 hr	EC50	24.5	PPB	12.66-32.26
Milbemectin (Milbemycin A4 + Milbemycin A3)	51596-11-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97	96 hr	EC50	5.8	PPB	5.1-7.2

Mineral oil (incl. paraffin oil)	8012-95-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	99	48 hr	EC50	21	PPB	16-27
Mirex (Cancelled in U.S.)	2385-85-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98	48 hr	LC50	720	PPB	N.R.
Mitin FF	3567-25-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83 g	S	80	96 hr	LC50	6.8	PPM	5.3-10.1
Mitin FF	3567-25-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	84	48 hr	EC50	9.46	PPM	7.89-11.34
Mitin FF	3567-25-7	Fishes	Zebrafish	Danio rerio	0.27 g	S	100	96 hr	LC50	14.9	PPM	12.8-17.4
Molinate	2212-67-1	Fishes	Mosquitofish	Gambusia affinis	4.5 cm	S	78.25	96 hr	LC50	25	PPM	20-31
Molinate	2212-67-1	Fishes	Brown bullhead	Ictalurus nebulosus	120 mm	F	90.3	96 hr	LC50	34	PPM	20-58
Molinate	2212-67-1	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.8	96 hr	LC50	2.5	PPM	1.8-3.4
Molinate	2212-67-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.91 g	F	96.8	96 hr	LC50	23.1	PPM	18-32
Molinate	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	2.74g	F	96.8	96 hr	LC50	20	PPM	17-27
Molinate	2212-67-1	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	96.8	48 hr	EC50	27.1	PPM	25.0-29.4
Molinate	2212-67-1	Crustacea	Scud	Gammarus lacustris	NR	S	97	48 hr	LC50	4.5	PPM	3.5-5.8
Molinate	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	97.8	96 hr	LC50	0.99	PPM	0.6-1.9
Molinate	2212-67-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	97.8	96 hr	LC50	29	PPM	20-40
Molinate	2212-67-1	Fishes	Goldfish	Carassius auratus	Juv	S	97.8	96 hr	LC50	30.3	PPM	19-192
Molinate	2212-67-1	Crustacea	Mysid	Americamysis bahia	4 D	S	98.8	96 hr	LC50	0.76	PPM	0.13-1.0
Molinate	2212-67-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	7 g	F	98.8	96 hr	LC50	13	PPM	7.8-22
Molinate	2212-67-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	99	96 hr	LC50	19.7	PPM	18.2-20.9
Molinate	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	99	96 hr	LC50	7.62	PPM	6.4-9.5
Molinate	2212-67-1	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	99	96 hr	LC50	27	PPM	21-32
Molinate	2212-67-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.13 g	S	99.5	96 hr	LC50	19.5	PPM	18.1-21
Molinate	2212-67-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	19.4	PPM	15.2-25.5
Molinate	2212-67-1	Crustacea	Water flea	Daphnia magna	NR	S	Tech	26 hr	EC50	0.7	PPM	0.46-1.05
Molinate	2212-67-1	Fishes	Common carp	Cyprinus carpio	4.8 g	S	Tech	96 hr	LC50	42.8	PPM	32-56
Molinate	2212-67-1	Fishes	Channel catfish	Ictalurus punctatus	2 g	S	Tech	96 hr	LC50	13.2	PPM	10.8-15.8
Molinate (Ordram 8E)	2212-67-	Crustacea	Mysid	Americamysis bahia	<24 hr	S	90.3	96 hr	LC50	3.4	PPM	2.5-4.8

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Molinate (Ordram 8E)	2212-67-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	90.3	96 hr	LC50	12	PPM	7.6-20
Molinate (Ordram 8E)	2212-67-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	90.3	96 hr	LC50	24	PPM	18-30
Molinate (Ordram 8E)	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	90.3	96 hr	LC50	19.5	PPM	9.8-31
Molinate (Ordram 8E)	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	28 mm	F	90.3	96 hr	LC50	14	PPM	6-23
Molinate (Ordram 8E)	2212-67-1	Fishes	Chinook salmon	Oncorhynchus tshawytscha	38 mm	F	90.3	96 hr	LC50	13	PPM	11-15.2
Molinate (Ordram 8E)	2212-67-1	Fishes	Striped bass	Morone saxatilis	120 mm	F	90.3	96 hr	LC50	8.1	PPM	6.3-9.8
Molinate (Ordram 8E)	2212-67-1	Fishes	Striped bass	Morone saxatilis	162 mm	F	90.3	96 hr	LC50	12	PPM	8.4-15.6
Molinate (Ordram 8E)	2212-67-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.3	96 hr	EC50	5.3	PPM	4.7-6.2
Molinate (Ordram 8E)	2212-67-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.2	48 hr	EC50	4.7	PPM	4.2-5.2
Molinate (Ordram formulation)	2212-67-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.6 g	S	71	96 hr	LC50	7.9	PPM	6.0-10.3
Molinate Ordram 8E	2212-67-1	Fishes	Channel catfish	Ictalurus punctatus	11.7 g	F	Tech	28 D	LC50	6.1	PPM	4.5-8.1
Mon 4660 Inert Ingredient - Herbicide Safener	N.R.	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	26	PPM	N.R.
Mon 4660 Inert Ingredient - Herbicide Safener	N.R.	Fishes	Bluegill sunfish	Lepomis macrochirus	0.35 g	S	98	96 hr	LC50	21.57	PPM	10-32
Mon 4660 Inert Ingredient - Herbicide Safener	N.R.	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	S	98	96 hr	LC50	5.44	PPM	4.3-6.7
Monocarbamide dihydrogensulfate	21351-39-3	Fishes	Threespine stickleback	Gasterosteus aculeatus	0.4 g	S	100	96 hr	LC50	80	PPM	N.R.
Monocrotophos (Cancelled in U.S.)	6923-22-4	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	0.26	PPM	N.R.
Monocrotophos (Cancelled in U.S.)	6923-22-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1 g	S	100	96 hr	LC50	12.1	PPM	7.2-20.1
Monosodium methanearsonate acid (MMA)	2163-80-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99.44	96 hr	LC50	173	PPM	151-198
Monosodium methanearsonate acid (MMA)	2163-80-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.018g	S	99.44	96 hr	LC50	323	PPM	288-363
Monuron	150-68-5	Fishes	Bluegill sunfish	Lepomis macrochirus	10 cm	S	80WP	96 hr	LC50	33	PPM	20-50
Monuron	150-68-5	Fishes	Brown bullhead	Ictalurus nebulosus	10 cm	S	80WP	96 hr	LC50	57	PPM	40-80
Monuron	150-68-5	Fishes	Striped mullet	Mugil cephalus	N.R.	S	Tech	48 hr	LC50	16	PPM	N.R.

Monuron	150-68-5	Fishes	Pumpkinseed sunfish	Lepomis gibbosus	5 cm	S	Tech	96 hr	LC50	3.3	PPM	1.7-6.0
Monuron	150-68-5	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	F	Tech	48 hr	EC50	2	PPM	N.A.
Monuron TCA	140-41-0	Fishes	Bluegill sunfish	Lepomis macrochirus	5 cm	S	Tech	96 hr	LC50	4.5	PPM	2.0-9.6
Monuron TCA	140-41-0	Fishes	Largemouth bass	Micropterus salmoides	10 cm	S	Tech	96 hr	LC50	4.8	PPM	3.0-8.0
Monuron TCA	140-41-0	Fishes	Redear sunfish	Lepomis microlophus	10 cm	S	Tech	96 hr	LC50	5.4	PPM	3.1-9.0
MTI	82633-79-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.99 g	S	94.2	96 hr	LC50	2.1	PPM	1.6-3.2
MTI	82633-79-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.86 g	S	94.6	96 hr	LC50	0.89	PPM	0.7-1.1
MTI	82633-79-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	95	48 hr	EC50	1.3	PPM	0.94-1.7
Myclobutanil	88671-89-0	Crustacea	Water flea	Daphnia magna	1st-I	S	84.5	48 hr	EC50	11	PPM	9.5-13.0
Myclobutanil	88671-89-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.12 g	S	84.5	96 hr	LC50	2.4	PPM	1.5-4.7
Myclobutanil	88671-89-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.66 g	S	84.5	96 hr	LC50	4.2	PPM	3.5-5.6
Myclobutanil	88671-89-0	Crustacea	Mysid	Americamysis bahia	<24hr	F	93	96 hr	LC50	0.24	PPM	0.20-.27
Myclobutanil	88671-89-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	93	96 hr	LC50	4.7	PPM	3.8-6.3
Myclobutanil	88671-89-0	Mollusca	Eastern oyster	Crassostrea virginica	N.R.	F	93	96 hr	EC50	0.68	PPM	0.64-0.73
N-(n-Octyl) Acetamide Kathon 287T degradate	64359-81-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	28	PPM	N.A.
N-(n-Octyl) Acetamide Kathon 287T degradate	64359-81-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	97	96 hr	LC50	25.4	PPM	N.A.
N-(n-octyl) Malonamic Acid degradate	64359-81-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.13 g	S	96.6	96 hr	LC50	250	PPM	160-430
N-(n-octyl) Malonamic Acid degradate	64359-81-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.9	48 hr	EC50	260	PPM	N.R.
N-(n-octyl) Malonamic Acid, PMN degradate	64359-81-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.7	48 hr	EC50	157	PPM	137-180
N,N Dimethyl formamide	68-12-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.04 g	S	99.92	96 hr	LC50	7100	PPM	N.R.
N6-Benzyladenine	1214-39-7	Crustacea	Water flea	Daphnia magna	48 hr	S	99	48 hr	EC50	20.5	PPM	15.8-26.4
Naled	300-76-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	85	48 hr	EC50	0.5	PPB	0.3-0.7
Naled	300-76-5	Crustacea	Water flea	Daphnia pulex	Juv	S	90	48 hr	EC50	0.4	PPB	0.2-0.80
Naled	300-76-5	Crustacea	Water flea	Simocephalus	Juv1	S	90	48 hr	EC50	1.1	PPB	0.8-1.4

				serrulatus								
Naled	300-76-5	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	90	96 hr	LC50	41	PPB	N.R.
Naled	300-76-5	Crustacea	Scud	Gammarus fasciatus	Mat.	S	90	96 hr	LC50	18	PPB	16-20.0
Naled	300-76-5	Crustacea	Glass shrimp	Palaemonetes kadiakensis	N.R.	S	90	96 hr	LC50	92	PPB	N.R.
Naled	300-76-5	Crustacea	Shore shrimp	Palaemonetes vulgaris	18 mm	F	90	96 hr	LC50	9.3	PPB	8.1-11.0
Naled	300-76-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	N.R.	S	90	96 hr	LC50	127	PPB	115-139
Naled	300-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	195	PPB	126-302
Naled	300-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	345	PPB	300-396
Naled	300-76-5	Fishes	Lake trout	Salvelinus namaycush	N.R.	S	90	96 hr	LC50	87	PPB	53-142
Naled	300-76-5	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	90	96 hr	LC50	3300	PPB	N.R.
Naled	300-76-5	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	90	96 hr	LC50	710	PPB	N.A.
Naled	300-76-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	90	96 hr	LC50	2200	PPB	N.R.
Naled	300-76-5	Fishes	Largemouth bass	Micropterus salmoides	N.R.	S	90	96 hr	LC50	1900	PPB	N.R.
Naled	300-76-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	90	96 hr	LC50	1200	PPB	1000-1400
Naled	300-76-5	Fishes	Striped bass	Morone saxatilis	0.8 g	S	90	96 hr	LC50	500	PPB	100-2400
Naled	300-76-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90	96 hr	EC50	190	PPB	110-290
Naled	300-76-5	Crustacea	Water flea	Daphnia magna	N.R.	S	91.6	48 hr	EC50	0.3	PPB	0.2-0.4
Naled	300-76-5	Crustacea	Scud	Gammarus lacustris	N.R.	S	97	48 hr	LC50	0.14	PPB	N.R.
Naled	300-76-5	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	14	PPB	11-18
Naled	300-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	160	PPB	150-170
Naphthalene	91-20-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	1.6	PPM	1.3-2.0
Naphthalene	91-20-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.62 g	SR	100	96 hr	LC50	3.2	PPM	2.3-4.5
Naphthalene	91-20-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.99 g	SR	100	96 hr	LC50	2	PPM	1.8-2.3
Naphthaleneacetate	2122-70-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.55 g	S	93.4	96 hr	LC50	2.68	PPM	2.35-3.10
Naphthaleneacetic acid	86-87-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	180	PPM	N.R.
Naphthaleneacetic acid	86-87-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	28	PPM	N.R.
Naphthaleneacetic acid	86-87-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98	96 hr	LC50	41	PPM	N.R.
Napropamide	15299-99-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.44 g	F	94	28 D	LC50	3.5	PPM	2.8-4.4

Napropamide	15299-99-7	Crustacea	Water flea	Daphnia magna	<20 hr	S	94.6	48 hr	EC50	14.3	PPM	12.5-16.3
Napropamide	15299-99-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.2	48 hr	EC50	24.7	PPM	19-32
Napropamide	15299-99-7	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.2	96 hr	LC50	4.2	PPM	3.1-5.9
Napropamide	15299-99-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	95.2	96 hr	LC50	12	PPM	7.5-26
Napropamide	15299-99-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.85 g	S	95.2	96 hr	LC50	14	PPM	11-19
Napropamide	15299-99-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.2	96 hr	EC50	1.4	PPM	1.1-1.7
Napropamide	15299-99-7	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	97.4	96 hr	LC50	19.9	PPM	15.3-25.8
Napropamide	15299-99-7	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	97.4	48 hr	EC50	18.7	PPM	N.R.
Napropamide	15299-99-7	Fishes	Bluegill sunfish	Lepomis macrochirus	2.19 g	F	97.8	144hr	LC50	12.6	PPM	11.5-13.8
Napropamide	15299-99-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.66 g	S	Tech	96 hr	LC50	9.4	PPM	7.8-11.3
Napropamide	15299-99-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.61g	S	Tech	96 hr	LC50	13.4	PPM	10-18
Naptalam sodium salt	132-66-1	Crustacea	Water flea	Daphnia magna	1st-I	S	94	48 hr	EC50	118.5	PPM	95.5-147.0
Naptalam sodium salt	132-66-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.59 g	S	94	96 hr	LC50	354.4	PPM	290.3-432.8
Naptalam sodium salt	132-66-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.39 g	S	94	96 hr	LC50	76.1	PPM	N.R.
n-Butylene carbonate	4437-85-8	Fishes	Rainbow trout	Oncorhynchus mykiss	3.9 g	SR	99.4	96 hr	LC50	460.2	PPM	323.1-891.2
n-Butylene carbonate	4437-85-8	Fishes	Rainbow trout	Oncorhynchus mykiss	3.96 g	SR	99.4	96 hr	LC50	460.2	PPM	323.1-891.2
n-Butylene carbonate	4437-85-8	Fishes	Rainbow trout	Oncorhynchus mykiss	64 mm	SR	99.4	96 Hr	LC50	460	PPM	323-900
Neurolidol	7212-44-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.27 g	S	97	96 hr	LC50	1.8	PPM	1.4-2.2
Neurolidol	7212-44-4	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	2.2	PPM	1.9-2.5
Niclosamide	1420-04-8	Crustacea	Water flea	Daphnia magna	1st in	S	70	48 Hr	EC50	0.2	PPM	0.14-0.27
Niclosamide	1420-04-8	Crustacea	Amphipod	Gammarus pseudolimnaeus	Adult	S	70	96 Hr	EC50	2.4	PPM	1.8-3.1
Niclosamide	1420-04-8	Crustacea	Glass Shrimp	Palaemonetes kadiakensis	Adult	S	70	96 Hr	EC50	10	PPM	7-15
Niclosamide	1420-04-8	Crustacea	Crayfish	Orconectes nais	Juveni	S	70	96 Hr	EC50	25	PPM	19-33
Niclosamide	1420-04-8	Crustacea	Midge	Chironomus plumosus	4th in	S	70	48 Hr	EC50	1.5	PPM	1.1-2.2
Niclosamide	1420-04-8	Crustacea	Scud	Gammarus pseudolimnaeus	Mat	S	70	96 hr	LC50	2400	PPB	1800-3100
Niclosamide	1420-04-	Crustacea	Crayfish	Orconectes nais	Erly-I	S	70	96 hr	LC50	25000	PPB	19000-

	8											33000
Niclosamide	1420-04-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Mat	S	70	96 hr	LC50	10000	PPB	7000-15000
Niclosamide	1420-04-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	S	70	96 hr	LC50	21.5	PPB	14.8-31.2
Niclosamide	1420-04-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	70	96 hr	LC50	125	PPB	110-150
Niclosamide	1420-04-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	70	96 hr	LC50	94	PPB	N.R.
Niclosamide	1420-04-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	70	96 hr	LC50	50	PPB	N.R.
Niclosamide	1420-04-8	Fishes	Green sunfish	Lepomis cyanellus	N.R.	S	70	96 hr	LC50	100	PPB	N.R.
Niclosamide	1420-04-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	70	24 hr	LC50	340	PPB	543-852
Niclosamide	1420-04-8	Fishes	Longnose killifish	Fundulus similis	Juv	S	93	48 hr	LC50	1.6	PPM	N.R.
Niclosamide	1420-04-8	Crustacea	Seed shrimp	Cypridopsis vidua	Mat	S	99	48 hr	LC50	310	PPB	229-419
Niclosamide	1420-04-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	99	96 hr	LC50	360	PPB	221-586
Niclosamide Bayer 73	1420-04-8	Fishes	Coho salmon green eggs	Oncorhynchus kisutch	Eggs	S	70	96 Hr	LC50	0.286	PPM	NA
Niclosamide Bayer 73	1420-04-8	Fishes	Coho salmon eyed eggs	Oncorhynchus kisutch	Eggs	S	70	96 Hr	LC50	0.509	PPM	NA
Niclosamide Bayer 73	1420-04-8	Fishes	Coho salmon sac fry	Oncorhynchus kisutch	Fry	S	70	96 Hr	LC50	0.66	PPM	NA
Niclosamide Bayer 73	1420-04-8	Fishes	Coho salmon swim-up fry	Oncorhynchus kisutch	Fry	S	70	96 Hr	LC50	0.68	PPM	NA
Niclosamide Bayer 73 formulation	1420-04-8	Fishes	Sea lamprey	Petromyzon marinus	8 cm	F	70	96 Hr	LC50	0.129	PPM	0.099-0.167
Niclosamide Bayer 73 WP formulation	1420-04-8	Fishes	Variegated perch	Herotilapia multispinosa	20 mm	S	70	96 hr	LC50	0.55	PPM	N.R.
Niclosamide Bayluscide WP (Bayer 73)	1420-04-8	Fishes	Tilapia	Tilapia leucosticta	Larvae	S	70	14 D	LC50	1.1	PPM	N. R.
Niclosamide ethanolamine salt	1420-04-8	Fishes	Green sunfish	Lepomis cyanellus	N.R.	S	99	96 hr	LC50	170	PPB	152-189
Niclosamide ethanolamine salt	1420-04-8	Fishes	Common carp	Cyprinus carpio	N.R.	S	99	96 hr	LC50	120	PPB	103-139
Niclosamide ethanolamine salt	1420-04-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99	96 hr	LC50	50	PPB	47-54
Niclosamide ethanolamine salt	1420-04-8	Fishes	Brook trout	Salvelinus fontinalis	N.R.	S	99	96 hr	LC50	61	PPB	58-65
Niclosamide ethanolamine salt	1420-04-8	Fishes	Goldfish	Carassius auratus	N.R.	S	99	96 hr	LC50	230	PPB	201-263
Niclosamide ethanolamine salt	1420-04-8	Fishes	Common carp	Cyprinus carpio	N.R.	S	99	96 hr	LC50	139	PPB	134-145
Niclosamide ethanolamine salt	1420-04-8	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	99	96 hr	LC50	102	PPB	89-117

Niclosamide ethanolamine salt	1420-04-8	Fishes	White sucker	Catostomus commersoni	N.R.	S	99	96 hr	LC50	81	PPB	76-86
Niclosamide ethanolamine salt	1420-04-8	Fishes	Black bullhead	Ictalurus melas	N.R.	S	99	96 hr	LC50	88	PPB	78-98
Niclosamide ethanolamine salt	1420-04-8	Fishes	Brown bullhead	Ictalurus nebulosus	N.R.	S	99	96 hr	LC50	56	PPB	49-64
Niclosamide ethanolamine salt	1420-04-8	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	99	96 hr	LC50	82	PPB	77-88
Niclosamide ethanolamine salt	1420-04-8	Fishes	Green sunfish	Lepomis cyanellus	N.R.	S	99	96 hr	LC50	100	PPB	83-107
Niclosamide ethanolamine salt	1420-04-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	68	PPB	57-80
Niclosamide ethanolamine salt	1420-04-8	Fishes	Smallmouth bass	Micropterus dolomieui	N.R.	S	99	96 hr	LC50	60	PPB	48-74
Niclosamide ethanolamine salt	1420-04-8	Fishes	Largemouth bass	Micropterus salmoides	N.R.	S	99	96 hr	LC50	62	PPB	50-76
Niclosamide ethanolamine salt	1420-04-8	Fishes	Yellow perch	Perca flavescens	N.R.	S	99	96 h4	LC50	81	PPB	69-87
Niclosamide ethanolamine salt	1420-04-8	Fishes	Tilapia	Tilapia sp	N.R.	S	99	96 hr	LC50	109	PPB	90-132
Niclosamide ethanolamine salt	1420-04-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	100	96 hr	LC50	230	PPB	200-330
Niclosamide ethanolamine salt	1420-04-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	100	96 hr	LC50	230	PPB	200-330
Nicotine alkaloid	54-11-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.93 g	S	98	96 hr	LC50	5.45@24 hr	PPM	4.8-6.18
Nitrapyrin	1929-82-4	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	90	96 Hr	EC50	1.5	PPM	1.4-1.6
Nitrapyrin	1929-82-4	Crustacea	Grass shrimp	Palaemonetes pugio	0.07 g	F	91.2	96 hr	LC50	3.1	PPM	2.19-3.34
Nitrapyrin	1929-82-4	Fishes	Inland silverside	Menidia beryllina	.02-.1	F	91.2	96 hr	LC50	4.28	PPM	3.15-5.82
Nitrapyrin	1929-82-4	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	91.2	96 hr	EC50	0.41	PPM	0.36-.47
Nitrapyrin	1929-82-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.4	48 hr	EC50	2.2	PPM	1.9-2.6
Nitrapyrin	1929-82-4	Crustacea	Water flea	Daphnia magna	<24 hr	48 hr	92.4	48 hr	EC50	2.2	PPM	1.9-2.6
Nitrapyrin	1929-82-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.95 g	S	92.4	96 hr	LC50	4	PPM	3.1-5.4
Nitrapyrin	1929-82-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	F	92.4	96 hr	LC50	3.4	PPM	2.3-5.5
Nitrapyrin	1929-82-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	93.6	96 hr	LC50	6.5	PPM	4.8-8.2
Nitrapyrin	1929-82-4	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	93.6	96 hr	LC50	9.6	PPM	7.8-11.6
Nitrapyrin	1929-82-4	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	94	96 hr	EC50	0.28	PPM	N.R.
Nitrapyrin	1929-82-4	Crustacea	Water flea	Daphnia magna	1st-I	S	96	48 hr	EC50	5.8	PPM	5.0-6.5
Nitrapyrin	1929-82-	Fishes	Bluegill sunfish	Lepomis	0.55 g	S	96.2	96 hr	LC50	7.88	PPM	7.4-8.5

	4			macrochirus								
Nitrapyrin	1929-82-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.97 g	S	96.2	96 hr	LC50	9.19	PPM	8.9-9.4
Nitrapyrin	1929-82-4	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	96.3	96 hr	LC50	5.8	PPM	4.6-7.3
N-K-1-Nitroethyl(benzyl) ethylenediamine pota	53404-62-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	1.87	PPM	1.68-2.02
N-K-1-Nitroethyl(benzyl) ethylenediamine pota	53404-62-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	3.55	PPM	2.4-5.6
N-K-1-Nitroethyl(benzyl) ethylenediamine pota	53404-62-9	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	1.87	PPM	1.68-2.02
N-Methyl-2-pyrrolidine	120-94-5	Crustacea	Water flea	Daphnia magna	1st-In	S	99.5	48 hr	EC50	5000	PPM	N.R.
N-Methyl-2-pyrrolidine	120-94-5	Crustacea	Mud crab	Neopanope texana	1.36 g	S	99.5	96 hr	LC50	1556	PPM	1263-1946
N-Methyl-2-pyrrolidine	120-94-5	Crustacea	Scud	Gammarus fasciatus	N.R.	S	99.5	96 hr	LC50	4655	PPM	3890-5623
N-Methyl-2-pyrrolidine	120-94-5	Crustacea	Grass shrimp	Palaemonetes pugio	0.46 g	S	99.5	96 hr	LC50	980	PPM	N.R.
N-Methyl-2-pyrrolidine	120-94-5	Fishes	Fathead minnow	Pimephales promelas	Juv	S	99.5	96 hr	LC50	1072	PPM	912-1259
N-Methyl-2-pyrrolidine	120-94-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	99.5	96 hr	LC50	3048	PPM	2692-3388
N-Methyl-2-pyrrolidone	872-50-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	99.5	96 hr	LC50	832	PPM	724-955
N-methylneodecanamide (MNDA)	105726-67-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	130	PPM	111-153
N-methylneodecanamide (MNDA)	105726-67-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	100	96 hr	LC50	72	PPM	54-105
N-methylneodecanamide (MNDA)	105726-67-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.43 g	S	100	96 hr	LC50	90	PPM	68-120
Nonanoic acid	112-05-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.7	48 hr	EC50	96	PPM	64-119
Nonanoic acid	112-05-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.98 g	S	99.7	96 hr	LC50	91	PPM	68-121
Nonylphenol	35860-86-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	TECH	96 Hr	LC50	267	PPB	199-357
Nonylphenolpolyethylene glycol - Iodine complex	11096-42-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	7.9	PPM	6.4-9.8
Nonylphenolpolyethylene glycol iodine	11096-42-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.46 g	S	100	96 hr	LC50	1.64	PPM	1.3-2.0
Norflurazon	27314-13-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	98.6	96 hr	LC50	16.3	PPM	13.3-19.9
Norflurazon	27314-13-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.31 g	S	98.6	96 hr	LC50	8.1	PPM	4-19
Norflurazon	27314-13-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.6	96 hr	EC50	3.8	PPM	3.3-4.3

Norflurazon	27314-13-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.4	96 hr	LC50	5.53	PPM	2.29-9.75
Norflurazon	27314-13-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99.4	96 hr	LC50	9.58	PPM	8.47-10.8
Novaluron	116714-46-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.9	96 hr	EC50	1.5	PPB	1.2-1.8
Novaluron	116714-46-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.0+	96 hr	LC50	0.13	PPB	0.11-0.16
Novaluron 275-352 metabolite	116714-46-6	Crustacea	Water flea	Daphnia magna	< 24 h	S	96.2	48 hr	EC50	1910	PPB	690-3500
Novaluron 275-352 metabolite	116714-46-6	Fishes	Rainbow trout	Oncorhynchus mykiss	2.35 g	SR	96.2	96 hr	LC50	530	PPB	235-1400
Noviflumuron	121451-02-3	Crustacea	Water flea	Daphnia magna	<24 Hr	F	98.6	48 Hr	EC50	0.308	PPB	0.25-0.37
OBPA	58-36-6	Crustacea	Grass shrimp	Palaemonetes pugio	N.R.	S	95.6	96 hr	LC50	50	PPB	N.R.
OBPA	58-36-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95.6	96 hr	LC50	3.5	PPB	N.R.
OBPA	58-36-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95.6	96 hr	LC50	8	PPB	N.R.
OBPA	58-36-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	95.6	96 hr	LC50	8	PPB	N.R.
OBPA	58-36-6	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	4.8	PPB	N.R.
Octhilinone	26530-20-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	107	PPB	55-171
Octhilinone	26530-20-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.03 g	SR	96	96 hr	LC50	160	PPB	130-260
Octhilinone	26530-20-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.82 g	SR	96	96 hr	LC50	50	PPB	0.0-80
Octhilinone	26530-20-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.5	48 hr	EC50	320	PPB	107-834
Octhilinone	26530-20-1	Crustacea	Mysid	Americamysis bahia	Juv	F	98.5	96 hr	LC50	71	PPB	55-88
Octhilinone	26530-20-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	F	98.5	96 hr	LC50	47	PPB	41-52
Octhilinone	26530-20-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	98.5	96 hr	LC50	180	PPB	160-200
Octhilinone	26530-20-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.0 g	F	98.5	96 hr	LC50	160	PPB	138-188
Octhilinone	26530-20-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.5	96 hr	EC50	13	PPB	6.4-25
Octhilinone (Kathon 893T)	26530-20-1	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	180	PPB	140-240
Octhilinone (Kathon 893T)	26530-20-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	90	96 hr	LC50	65.5	PPB	41-104
Octhilinone (Kathon 893T)	26530-20-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90	96 hr	LC50	196	PPB	151-255
Octhilinone (Kathon 893T)	26530-20-1	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	90	96 hr	LC50	140	PPB	98-202
Octhilinone (Kathon 893T)	26530-20-1	Fishes	Redear sunfish	Lepomis microlophus	N.R.	S	90	96 hr	LC50	203	PPB	170-243

Octhilinone (Kathon 893T)	26530-20-1	Fishes	Golden shiner	Notemigonus crysoleucas	N.R.	S	90	96 hr	LC50	154	PPB	100-235
Ortho-phenyl phenol	90-43-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	95	96 hr	LC50	2.95	PPM	2.68-3.2
Ortho-phenyl phenol	90-43-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	95	96 hr	LC50	2.75	PPM	2.4-3.2
Ortho-phenyl phenol	90-43-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.25	48 hr	EC50	2.51	PPM	1.54-3.94
Ortho-phenyl phenol	90-43-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	S	99.25	96 hr	LC50	4.63	PPM	4.4-4.8
Ortho-phenyl phenol	90-43-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.21 g	S	99.25	96 hr	LC50	4.02	PPM	3.6-4.5
Ortho-phenyl phenol	90-43-7	Fishes	Fathead minnow	Pimephales promelas	0.53 g	S	99.25	96 hr	LC50	5.5	PPM	4.7-6.6
Ortho-phenyl Phenol /Sodium Orthphenyl Phenol	90-43-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	71.48	94 hr	LC50	0.32	PPM	0.26-0.42
Orthophenyl phenol sodium (Dowacide A mixture)	132-27-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	71.48	96 hr	LC50	0.32	PPM	0.26-0.42
Orthophenyl phenol sodium (Dowacide A mixture)	132-27-4	Mollusca	Eastern oyster	Crassostrea virginica	43 mm	F	71.48	96 hr	EC50	3.89	PPM	3.12-4.15
Orthophenylphenol sodium (Dowicide A mixture)	132-27-4	Crustacea	Water flea	Daphnia magna	1st-I	S	97	48 hr	EC50	3.8	PPM	3.1-4.6
Orthophenylphenol sodium salt	132-27-4	Mollusca	Quahog clam	Mercenaria mercenaria	2 D	S	75.9	12 D	EC50	0.75	PPM	N.R.
Orthophenylphenol sodium salt	132-27-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	97	96 hr	LC50	6.1	PPM	N.R.
Oryzalin	19044-88-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.09 g	S	95	96 hr	LC50	3.45	PPM	3.0-3.9
Oryzalin	19044-88-3	Crustacea	Water flea	Daphnia magna	N.R.	S	96.5	48 hr	EC50	1.5	PPM	1.35-1.5
Oryzalin	19044-88-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.9	96 hr	EC50	0.285	PPM	0.17-0.477
Oryzalin	19044-88-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	3.26	PPM	2.88-3.7
Oryzalin	19044-88-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	2.88	PPM	2.23-3.7
Oxadiazon	19666-30-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	95.9	96 hr	LC50	0.27	PPM	0.23-0.29
Oxadiazon	19666-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	95.9	96 hr	LC50	1.2	PPM	1.1-1.4
Oxadiazon	19666-30-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	F	95.9	96 hr	LC50	1.2	PPM	N.R.
Oxadiazon	19666-30-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	F	95.9	96 hr	LC50	1.5	PPM	1.1-2.8
Oxadiazon	19666-30-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.9	96 hr	EC50	0.7	PPM	0.63-0.78
Oxadiazon	19666-30-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.2	48 hr	EC50	0.53	PPM	0.4-0.7

Oxadiazon	19666-30-9	Crustacea	Water flea	Daphnia magna	1st-I	S	97.4	48 hr	EC50	2.18	PPM	1.5-3.0
Oxadiazon	19666-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	97.4	96 hr	LC50	1.05	PPM	0.8-1.3
Oxadiazon	19666-30-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.36 g	S	97.4	96 hr	LC50	0.88	PPM	0.7-1.0
Oxadiazon	19666-30-9	Fishes	Rainbow trout	Oncorhynchus mykiss	< 3 g	S	Tech	96 hr	LC50	3.8	PPM	3.3-4.5
Oxadiazon	19666-30-9	Fishes	Bluegill sunfish	Lepomis macrochirus	<3 g	S	Tech	96 hr	LC50	8.2	PPM	7.6-8.8
Oxadixyl	77732-09-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.7	48 hr	EC50	530	PPM	450-620
Oxadixyl	77732-09-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	96.7	8 D	LC50	360	PPM	220-600
Oxamyl	23135-22-0	Fishes	Goldfish	Carassius auratus	1.8 g	S	90	96 hr	LC50	27.5	PPM	23-32
Oxamyl	23135-22-0	Fishes	Bluegill sunfish	Lepomis macrochirus	3.9 g	S	90	96 hr	LC50	5.6	PPM	4.7-6.8
Oxamyl	23135-22-0	Fishes	Rainbow trout	Oncorhynchus mykiss	2.8 g	S	90	96 hr	LC50	4.2	PPM	3.6-5.0
Oxamyl	23135-22-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	96.9	48 Hr	EC50	319	PPB	282-357
Oxamyl	23135-22-0	Crustacea	Water flea	Daphnia magna	1st-I	S	97	48 hr	EC50	0.47	PPM	0.32-0.56
Oxamyl	23135-22-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	97	96 hr	LC50	4.2	PPM	3.5-5.2
Oxamyl	23135-22-0	Fishes	Channel catfish	Ictalurus punctatus	0.6 g	S	97	96 hr	LC50	19.4	PPM	10-32
Oxamyl	23135-22-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	97	96 hr	LC50	10	PPM	7.4-13.6
Oxamyl	23135-22-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.1	48 hr	EC50	5.7	PPM	4.3-6.6
Oxamyl	23135-22-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.42 g	F	97.1	96 hr	LC50	2.6	PPM	2.2-3.2
Oxazolidine E	7747-35-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.8	48 hr	EC50	42	PPM	32-56
Oxazolidine E	7747-35-5	Crustacea	Pink shrimp	Penaeus duorarum	1.3 g	S	96.8	96 hr	LC50	138	PPM	122-229
Oxazolidine E	7747-35-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	96.8	96 hr	LC50	221	PPM	112-488
Oxazolidine E	7747-35-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.37 g	S	96.8	96 hr	LC50	130	PPM	112-302
Oxazolidine E	7747-35-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.8	96 hr	EC50	35	PPM	N.R.
Oxine-copper	10380-28-6	Fishes	Rainbow trout	Oncorhynchus mykiss	3.17 g	SR	80	96 hr	LC50	9.68	PPB	7.11-16.0
Oxine-copper	10380-28-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	98	48 hr	EC50	162	PPB	132-203
Oxine-copper	10380-28-6	Crustacea	Mysid	Americamysis bahia	N.R.	F	100	96 hr	LC50	49.7	PPB	30.4-Inf.
Oxine-copper	10380-	Fishes	Coho salmon	Oncorhynchus	1.2 g	F	100	96 hr	LC50	13.9	PPB	11.7-18.2

	28-6			kisutch								
Oxine-copper	10380-28-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	100	96 hr	LC50	8.9	PPB	6.2-11.3
Oxine-copper	10380-28-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.19 g	F	100	96 hr	LC50	21.6	PPB	10.8-33.7
Oxine-copper	10380-28-6	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	100	48 hr	EC50	36.3	PPB	33.5-40.0
Oxine-copper Q-San W	10380-28-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	S	90	96 hr	LC50	290	PPB	240-350
Oxycarboxin	5259-88-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	75	48 hr	EC50	69.1	PPM	54.2-88.2
Oxycarboxin	5259-88-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.92 g	S	75	96 hr	LC50	28.1	PPM	22.6-35.1
Oxycarboxin	5259-88-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.56 g	S	75	96 hr	LC50	19.9	PPM	14.5-27.4
Oxydemeton-methyl	301-12-2	Crustacea	Water flea	Daphnia magna	<24hr	F	94.6	48 hr	EC50	0.24	PPM	0.19-0.27
Oxydemeton-methyl	301-12-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.38g	S	97.9	96 hr	LC50	1.22	PPM	1.02-1.44
Oxydemeton-methyl	301-12-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.92g	S	97.9	96 hr	LC50	0.73	PPM	0.64-0.82
Oxydemeton-methyl	301-12-2	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	96 hr	LC50	0.19	PPM	0.17-0.21
Oxydemeton-methyl	301-12-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	1000	PPB	980-1100
Oxyfluorfen	42874-03-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	71.4	96 hr	LC50	210	PPB	175-346
Oxyfluorfen	42874-03-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	71.4	96 hr	LC50	250	PPB	186-355
Oxyfluorfen	42874-03-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	71.4	96 hr	EC50	0.0693	PPM	0.062-0.098
Oxyfluorfen	42874-03-3	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	71.4	96 Hr	EC50	69.3	PPB	62.2 - 98.5
Oxyfluorfen	42874-03-3	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	74	96 hr	LC50	32	PPB	18-56
Oxyfluorfen	42874-03-3	Crustacea	Fiddler crab	Uca pugilator	N.R.	S	74	96 hr	LC50	1000	PPM	N.R.
Oxyfluorfen	42874-03-3	Fishes	Channel catfish	Ictalurus punctatus	Juv	F	74	96 hr	LC50	400	PPB	360-450
Oxyfluorfen	42874-03-3	Crustacea	Water flea	Daphnia magna	Juv	S	82.2	48 hr	EC50	1500	PPB	750-2900
Oxyfluorfen	42874-03-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	94	96 hr	LC50	200	PPB	130-310
Oxyfluorfen	42874-03-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	94	96 hr	LC50	410	PPB	310-560
Oxyfluorfen (in porewater)	42874-03-3	Crustacea	Marine amphipod	Leptocheirus plumulosus	2-4 mm	S	99.3	10 D	LC50	130	PPB	81-200
Oxythioquinox	2439-01-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	87	96 hr	LC50	260	PPB	N.R.
Oxythioquinox	2439-01-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	87	96 hr	LC50	74	PPB	N.R.
Oxythioquinox	2439-01-	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.6	48 hr	EC50	0.12	PPM	0.09-0.15

	2											
Oxythioquinox	2439-01-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.40 g	F	94.9	96 hr	LC50	33.4	PPB	28.6-50.8
Oxythioquinox	2439-01-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.34 g	F	94.9	96 hr	LC50	128	PPB	105.9-158.3
Oxythioquinox	2439-01-2	Crustacea	Mysid	Americamysis bahia	<24hr	F	95	96 hr	LC50	8.5	PPB	N.R.
Oxythioquinox	2439-01-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	.3-1.8	F	95	96 hr	LC50	129	PPB	N.R.
Oxythioquinox	2439-01-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	25.3	PPB	21.9-29.0
Paclobutrazol	76738-62-0	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	92.4	96 hr	LC50	23.6	PPM	20.4-26.0
Paclobutrazol	76738-62-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.44	48 hr	EC50	33.2	PPM	25.8-53.0
Paclobutrazol	76738-62-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	97	96 hr	LC50	27.8	PPM	26.1-30.0
Paradichlorobenzene	106-46-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.33 g	S	99.9	96 hr	LC50	6.4	PPM	4.9-8.3
Paradichlorobenzene	106-46-7	Fishes	Brook trout	Salvelinus fontinalis	0.77 g	S	99.9	96 hr	LC50	1.67	PPM	1.4-1.9
Paradichlorobenzene	106-46-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.75 g	S	100	96 hr	LC50	880	PPB	N.R.
Paraformaldehyde	30525-89-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	91	96 hr	LC50	39.1	PPM	31.0-49.5
Paraformaldehyde	30525-89-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	91	96 hr	LC50	47.6	PPM	41.7-54.9
Paranitrophenol	100-02-7	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	98	96 hr	LC50	53.5	PPM	51.5-55.5
Paranitrophenol	100-02-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.1	48 hr	EC50	6	PPM	N.R.
Paranitrophenol	100-02-7	Crustacea	Ostracod	Cyprinotus incongruens	N.R.	S	99.1	48 hr	LC50	26	PPM	N.R.
Paranitrophenol	100-02-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99.1	96 hr	LC50	6.6	PPM	N.R.
Paranitrophenol	100-02-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99.1	96 hr	LC50	4.5	PPM	N.R.
Paranitrophenol	100-02-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.7	48 hr	EC50	36	PPM	18-56
Paranitrophenol	100-02-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.1 g	S	99.7	96 hr	LC50	22	PPM	10-32
Paranitrophenol	100-02-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99.7	96 hr	LC50	13	PPM	10-18
Paraquat dichloride	1910-42-5	Crustacea	Water flea	Daphnia magna	< 24hr	S	92.3	48 hr	EC50	1.25	PPM	1.0-1.47
Parathion	56-38-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	0.12	PPB	0.11-0.14
Parathion	56-38-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	98.7	48 hr	EC50	0.37	PPB	0.23-0.57
Parathion	56-38-2	Crustacea	Water flea	Daphnia pulex	1st-I	S	98.7	48 hr	EC50	0.6	PPB	0.45-0.79
Parathion	56-38-2	Crustacea	Scud	Gammarus fasciatus	Mat	S	98.7	96 hr	LC50	1.3	PPB	0.6-1.9

Parathion	56-38-2	Crustacea	Scud	Gammarus lacustris	N.R.	S	98.7	96 hr	LC50	3.5	PPB	2.6-4.8
Parathion	56-38-2	Crustacea	Crayfish	Orconectes nais	Erly-I	S	98.7	96 hr	LC50	0.04	PPB	N.R.
Parathion	56-38-2	Crustacea	Glass shrimp	Palaemonetes kadiakensis	MAT	S	98.7	96 hr	LC50	1.5	PPB	0.82-2.7
Parathion	56-38-2	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	98.7	96 hr	LC50	213	PPB	145-312
Parathion	56-38-2	Crustacea	Scud	Gammarus fasciatus	Mat	F	98.7	96 hr	LC50	4.5	PPB	N.R.
Parathion	56-38-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.3g	S	98.7	96 hr	LC50	1560	PPB	980-2470
Parathion	56-38-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0g	S	98.7	96 hr	LC50	1430	PPB	964-2100
Parathion	56-38-2	Fishes	Lake trout	Salvelinus namaycush	0.7g	S	98.7	96 hr	LC50	1920	PPB	1750-2100
Parathion	56-38-2	Fishes	Fathead minnow	Pimephales promelas	0.8g	S	98.7	96 hr	LC50	2350	PPB	1760-3120
Parathion	56-38-2	Fishes	Channel catfish	Ictalurus punctatus	1.4 g	S	98.7	96 hr	LC50	2650	PPB	2160-3260
Parathion	56-38-2	Fishes	Mosquitofish	Gambusia sp.	0.6g	S	98.7	96 hr	LC50	320	PPB	156-647
Parathion	56-38-2	Fishes	Largemouth bass	Micropterus salmoides	0.7g	S	98.7	96 hr	LC50	620	PPB	462-830
Parathion	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	98.7	96 hr	LC50	18	PPB	10-32
Parathion	56-38-2	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	98.7	96 hr	LC50	395	PPB	318-491
Parathion	56-38-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8g	F	98.7	96 hr	LC50	780	PPB	370-1640
Parathion	56-38-2	Fishes	Goldfish	Carassius auratus	0.9 g	S	98.7	96 hr	LC50	1830	PPB	1350-2470
Parathion	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.7 g	F	98.7	96 hr	LC50	161	PPB	75-346
Parathion	56-38-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	99	96 hr	LC50	1300	PPB	N.R.
Parathion	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	95	PPB	N.R.
Parathion	56-38-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	99	96 hr	LC50	1400	PPB	N.R.
Parathion	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	710	PPB	N.R.
Parathion	56-38-2	Fishes	Mosquitofish	Gambusia affinis	Adult	S	99	48 hr	LC50	350	PPB	290-400
Parathion	56-38-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	99.6	48 hr	LC50	1	PPB	N.R.
Parathion	56-38-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	99.6	48 hr	LC50	0.24	PPB	N.R.
Parathion	56-38-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	99.6	48 hr	LC50	2.8	PPB	N.R.
Parathion	56-38-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	99.6	48 hr	LC50	36	PPB	N.R.
Parathion	56-38-2	Fishes	Spot	Leiostomus xanthurus	Juv	F	99.6	48 hr	LC50	18	PPB	N.R.
Parathion	56-38-2	Fishes	Striped mullet	Mugil cephalus	Juv	F	99.6	48 hr	LC50	100	PPB	N.R.

Parathion	56-38-2	Fishes	Channel catfish	Ictalurus punctatus	1.4 g	S	100	96 hr	LC50	3300	PPB	3090-3520
Parathion	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.4 g	S	100	96 hr	LC50	24	PPB	15-38
Parathion	56-38-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	100	96 hr	LC50	330	PPB	N.A.
Parathion	56-38-2	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Adult	S	Tech	24 hr	LC50	6.6	PPB	3.8-8.8
Parathion	56-38-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	1.3	PPB	0.61-1.9
Parathion	56-38-2	Fishes	Golden shiner	Notemigonus crysoleucas	N.R.	S	Tech	48 hr	LC50	1895	PPB	N.R.
Parathion 8E Formulation	56-38-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	76.35	48 hr	EC50	3	PPB	2.7-3.4
Parathion 8E Formulation	56-38-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	76.35	96 hr	LC50	0.107	PPB	0.092-0.124
Parathion 8E Formulation	56-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	F	76.35	96 hr	LC50	35	PPB	17-52
Parathion 8E Formulation	56-38-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	76.35	96 hr	EC50	1012	PPB	960-1070
Parathion paraoxon degradate	56-38-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	100	96 hr	LC50	0.25	PPM	N.R.
Parathion paraoxon degradate	56-38-2	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	100	96 hr	LC50	0.33	PPM	N.R.
Pebulate	1114-71-2	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	77.5	96 hr	LC50	10	PPM	N.R.
Pebulate	1114-71-2	Fishes	Longnose killifish	Fundulus similis	Juv.	S	78	48 hr	LC50	7.4	PPM	N.R.
Pebulate	1114-71-2	Fishes	Striped mullet	Mugil cephalus	Juv.	S	78	48 hr	LC50	6.3	PPM	N.R.
Pebulate	1114-71-2	Crustacea	Scud	Gammarus fasciatus	Juv.	S	95.6	96 hr	LC50	10	PPM	7-13.4
Pebulate	1114-71-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.9	48 hr	EC50	6.83	PPM	5.45-8.65
Pebulate	1114-71-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	95.9	96 hr	EC50	6.3	PPM	5.2-8.3
Pebulate	1114-71-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.08 g	S	95.9	96 hr	LC50	7.4	PPM	6.0-9.3
Pebulate Tillam 6E formulation	1114-71-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.04g	S	77.3	96 hr	LC50	7.9	PPM	5.99-10.41
Pendimethalin	40487-42-1	Crustacea	Pink shrimp	Penaeus duorarum	1.4 g	S	92.2	96 hr	LC50	1.6	PPM	1.2-2.2
Pendimethalin	40487-42-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	S	92.2	96 hr	LC50	0.71	PPM	0.55-.91
Pendimethalin	40487-42-1	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	92.2	48 hr	EC50	0.21	PPM	0.16-.34
Pendimethalin	40487-42-1	Crustacea	Water flea	Daphnia magna	1st-I	S	93.2	48 hr	EC50	0.28	PPM	0.23-0.33
Pendimethalin	40487-42-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	93.2	96 hr	LC50	0.199	PPM	0.162-.244
Pendimethalin	40487-42-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	93.2	96 hr	LC50	0.138	PPM	0.113-.169
Pendimethalin	40487-42-1	Fishes	Channel catfish	Ictalurus punctatus	1.5 g	S	93.2	96 hr	LC50	0.418	PPM	0.31-.564

Penflufen	494793-67-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.6	96 hr	LC50	2.5	PPM	1.4-4.7
Penflufen	494793-67-8	Fishes	Fathead minnow	Pimephales promelas	0.73 g	S	95.6	96 hr	LC50	0.116	PPM	0.055-0.22
Penflufen	494793-67-8	Fishes	Common carp	Cyprinus carpio	1.3 g	S	95.6	96 hr	LC50	0.09	PPM	0.061-0.117
Penflufen	494793-67-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.6	96 hr	EC50	1.3	PPM	N.R.
Penflufen	494793-67-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	0.31	PPM	0.22-0.51
Penflufen	494793-67-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	0.45	PPM	0.28-1.0
Penflufen	494793-67-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	Tech	96 hr	LC50	1.15	PPM	N.R.
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.85 g	S	75	96 hr	LC50	0.88	PPM	0.6-1.3
Pentachloronitrobenzene (PCNB)	82-68-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.7	96 hr	LC50	0.023	PPM	0.019-.026
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.26 g	F	97.7	96 hr	LC50	7.9	PPM	5.2-18
Pentachloronitrobenzene (PCNB)	82-68-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.7	96 hr	EC50	0.025	PPM	0.011-.068
Pentachloronitrobenzene (PCNB)	82-68-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.2	96 hr	LC50	0.012	PPM	0.009-.015
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	98.2	96 hr	LC50	1.5	PPM	1.2-1.8
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	F	98.2	96 hr	LC50	0.1	PPM	0.092-0.14
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.16 g	F	98.2	96 hr	LC50	0.55	PPM	0.45-0.65
Pentachloronitrobenzene (PCNB)	82-68-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.2	96 hr	EC50	29	PPB	26-33
Pentachloronitrobenzene (PCNB)	82-68-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.2	96 hr	EC50	24.3	PPB	20.7-31.4
Pentachloronitrobenzene (PCNB)	82-68-8	Crustacea	Water flea	Daphnia magna	1st-I	S	99	48 hr	EC50	0.77	PPM	0.62-1.1
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.91 g	F	99	96 hr	LC50	0.32	PPM	0.27-0.37
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.64 g	F	99	96 hr	LC50	1.7	PPM	1.4-2.2
Pentachloronitrobenzene (PCNB)	82-68-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.92 g	F	99	96 hr	LC50	210	PPB	180-260
Pentachlorophenol	87-86-5	Crustacea	Water flea	Daphnia magna	1st-I	S	86	48 hr	EC50	410	PPB	319-527
Pentachlorophenol	87-86-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	88	48 hr	EC50	480	PPB	430-530
Pentachlorophenol	87-86-5	Crustacea	Scud	Gammarus pseudolimnaeus	Juv	F	88	NR	EC50	92	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Fathead minnow	Pimephales promelas	Juv	F	88	NR	LC50	95	PPB	N.R.
Pentachlorophenol	87-86-5	Mollusca	Bladder snail	Aplexa hypnorum	Adult	F	88	NR	EC50	142	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Water flea	Simocephalus vetulus	<24 hr	F	93.7	NR	EC50	160	PPB	N.R.

Pentachlorophenol	87-86-5	Mollusca	Freshwater snail	Physa gyrina	N.R.	F	93.7	NR	EC50	267	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Water flea	Daphnia magna	1st-I	S	96	48 hr	EC50	240	PPB	138-307
Pentachlorophenol	87-86-5	Crustacea	Mysid	Americamysis bahia	Juv	S	96	96 hr	LC50	320	PPB	260-360
Pentachlorophenol	87-86-5	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	S	96	96 hr	LC50	2500	PPB	1900-3200
Pentachlorophenol	87-86-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Larvae	S	96	96 hr	LC50	330	PPB	320-360
Pentachlorophenol	87-86-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	J 28D	S	96	96 hr	LC50	220	PPB	160-290
Pentachlorophenol	87-86-5	Fishes	Pinfish	Lagodon rhomboides	Larvae	S	96	96 hr	LC50	31	PPB	24-44
Pentachlorophenol	87-86-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	J 42D	S	96	96 hr	LC50	220	PPB	160-290
Pentachlorophenol	87-86-5	Fishes	Chinook salmon	Oncorhynchus tshawytscha	0.3 g	S	96	96 hr	LC50	31	PPB	22-43
Pentachlorophenol	87-86-5	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.3 g	S	96	96 hr	LC50	N.R.	PPB	10-100
Pentachlorophenol	87-86-5	Fishes	Rainbow trout	Oncorhynchus mykiss	2.2 g	S	96	96 hr	LC50	115	PPB	108-122
Pentachlorophenol	87-86-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	96	96 hr	LC50	34	PPB	31-38
Pentachlorophenol	87-86-5	Fishes	Fathead minnow	Pimephales promelas	1.10 g	F	96	96 hr	LC50	205	PPB	180-234
Pentachlorophenol	87-86-5	Fishes	Channel catfish	Ictalurus punctatus	0.60 g	S	96	96 hr	LC50	66	PPB	50-87
Pentachlorophenol	87-86-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.40 g	S	96	96 hr	LC50	32	PPB	23-44
Pentachlorophenol	87-86-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.30 g	F	96	96 hr	LC50	215	PPB	192-240
Pentachlorophenol	87-86-5	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	98	48 hr	EC50	49	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	NR	EC50	145	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Amphipod	Hyalella azteca	N.R.	S	99	NR	LC50	230	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Brook trout	Salvelinus fontinalis	Adult	F	99	NR	LC50	138	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Mosquitofish	Gambusia affinis	0.1-1g	F	99	NR	LC50	278	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	680	PPB	N.R.
Pentachlorophenol	87-86-5	Crustacea	Pink shrimp	Penaeus duorarum	Adult	S	100	96 hr	LC50	5600	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	100	96 hr	LC50	60	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	75	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Largemouth bass	Micropterus salmoides	N.R.	S	Tech	96 hr	LC50	136	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Atlantic salmon	Salmo salar	N.R.	S	Tech	96 hr	LC50	500	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	White sucker	Catostomus commersoni	N.R.	S	Tech	96 hr	LC50	85	PPB	N.R.

Pentachlorophenol	87-86-5	Fishes	Striped mullet	Mugil cephalus	N.R.	S	Tech	96 hr	LC50	112	PPB	N.R.
Pentachlorophenol	87-86-5	Fishes	Fathead minnow	Pimephales promelas	Adult	F	Tech	96 hr	LC50	194	PPB	N.R.
Pentachlorophenol	87-86-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	NR	Tech	8 D	EC50	34	PPB	N.R.
Penthiopyrad	183675-82-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83 g	S	98.6	96 hr	LC50	386	PPB	276-540
Penthiopyrad	183675-82-3	Fishes	Common carp	Cyprinus carpio	1.4 g	F	98.6	96 hr	LC50	572	PPB	434-685
Penthiopyrad	183675-82-3	Fishes	Fathead minnow	Pimephales promelas	0.01 g	SR	98.6	96 hr	LC50	290	PPB	203-414
Penthiopyrad	183675-82-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.15 g	SR	98.6	96 hr	LC50	1381	PPB	996-Inf
Penthiopyrad	183675-82-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.6	96 hr	EC50	1200	PPB	940-1400
Penthiopyrad	183675-82-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.8	48 hr	EC50	2531	PPB	2251-2829
Penthiopyrad 753-T-DO metabolite	183675-82-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64	S	99.84	96 hr	LC50	5004	PPB	4108-6472
Permethrin	52645-53-1	Crustacea	Brown shrimp	Penaeus aztecus	N.R.	S	89	96 hr	LC50	0.34	PPB	0.26-0.48
Permethrin	52645-53-1	Crustacea	Fiddler crab	Uca pugilator	Adult	S	89	96 hr	LC50	2.65	PPB	1.68-4.16
Permethrin	52645-53-1	Crustacea	Crayfish	Procambarus blandingii	N.R.	F	89.1	96 hr	LC50	210	PPB	130-330
Permethrin	52645-53-1	Crustacea	Mysid	Americamysis bahia	N.R.	S	90.8	96 hr	LC50	0.075	PPB	0.0059-0.095
Permethrin	52645-53-1	Crustacea	Water flea	Daphnia magna	1st-I	S	91	48 hr	EC50	1.26	PPB	0.63-2.49
Permethrin	52645-53-1	Crustacea	Scud	Gammarus pseudolimnaeus	Juv	S	91	96 hr	LC50	0.17	PPB	0.11-0.27
Permethrin	52645-53-1	Fishes	Channel catfish	Ictalurus punctatus	0.7 g	S	91	96 hr	LC50	7.2	PPB	5.7-9.0
Permethrin	52645-53-1	Fishes	Fathead minnow	Pimephales promelas	0.6 g	S	91	96 hr	LC50	5.7	PPB	4.1-7.9
Permethrin	52645-53-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	91	96 hr	LC50	2.9	PPB	2.0-4.2
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	91	96 hr	LC50	5	PPB	3.1-7.9
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	91.4	96 hr	LC50	13.5	PPB	9-19
Permethrin	52645-53-1	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	92.4	96 hr	LC50	5.4	PPB	3.9-7.4
Permethrin	52645-53-1	Fishes	Brook trout	Salvelinus fontinalis	1.2g	S	92.5	96 hr	LC50	3.2	PPB	2.2-4.8
Permethrin	52645-53-1	Crustacea	Stone crab	Menippe mercenaria	Larvae	S	93	96 hr	EC50	0.018	PPB	0.01-0.03
Permethrin	52645-53-1	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	93	96 hr	LC50	0.22	PPB	0.06-0.79
Permethrin	52645-53-1	Crustacea	Mysid	Americamysis bahia	Adult	F	93	96 hr	LC50	0.019	PPB	0.016-0.02

Permethrin	52645-53-1	Crustacea	Mysid	Americamysis bahia	1 D	F	93	96 hr	LC50	0.02	PPB	0.017-0.024
Permethrin	52645-53-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	S	93	96 hr	LC50	7.8	PPB	6.2-10
Permethrin	52645-53-1	Fishes	Atlantic silverside	Menidia menidia	Adult	F	93	96 hr	LC50	2.2	PPB	1.2-6.4
Permethrin	52645-53-1	Fishes	Striped mullet	Mugil cephalus	Juv	F	93	96 hr	LC50	5.5	PPB	4.1-7.4
Permethrin	52645-53-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	28D	S	93	96 hr	LC50	88	PPB	82-95
Permethrin	52645-53-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.51g	S	94	96 hr	LC50	5.3	PPB	4.1-6.3
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	94.4	96 hr	LC50	13.3	PPB	9-19
Permethrin	52645-53-1	Fishes	Inland silverside	Menidia beryllina	0.035g	F	94.6	96 hr	LC50	6.6	PPB	5.5-7.9
Permethrin	52645-53-1	Crustacea	Water flea	Daphnia magna	12 hr	S	95.7	96 hr	EC50	0.039	PPB	0.025-0.062
Permethrin	52645-53-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.7	48 hr	EC50	7.2	PPB	5.8-8.9
Permethrin	52645-53-1	Crustacea	Fiddler crab	Uca pugilator	N.R.	S	95.7	96 hr	LC50	2.39	PPB	1.82-3.25
Permethrin	52645-53-1	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	NR	95.7	96 hr	LC50	0.35	PPB	0.29-0.44
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95.7	96 hr	LC50	2.52	PPB	1.88-3.36
Permethrin	52645-53-1	Crustacea	Water flea	Daphnia magna	12 hr	S	98.7	48 hr	EC50	0.6	PPB	0.5-0.67
Permethrin	52645-53-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	9.8	PPB	7.7-12.6
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	6.1	PPB	5.1-7.3
Permethrin	52645-53-1	Crustacea	Water flea	Daphnia magna	N.R.	S	Tech	48 hr	EC50	0.32	PPB	0.24-0.44
Permethrin	52645-53-1	Fishes	Atlantic salmon	Salmo salar	N.R.	S	Tech	96 hr	LC50	1.5	PPB	1.1-2.0
Permethrin	52645-53-1	Fishes	Coho salmon	Oncorhynchus kisutch	N.R.	S	Tech	96 hr	LC50	17	PPB	13-24
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.89 g	S	Tech	96 hr	LC50	6.8	PPB	4.6-10.0
Permethrin	52645-53-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	F	Tech	96 hr	LC50	2.1	PPB	N.R.
Permethrin	52645-53-1	Fishes	Brook trout	Salvelinus fontinalis	N.R.	S	Tech	96 hr	LC50	3.9	PPB	3.1-4.8
Permethrin	52645-53-1	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	Tech	96 hr	LC50	3	PPB	1.0-9.0
Permethrin	52645-53-1	Fishes	Common carp	Cyprinus carpio	N.R.	F	Tech	96 hr	LC50	15	PPB	N.R.
Permethrin	52645-53-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.6 g	F	Tech	96 hr	LC50	0.79	PPB	N.R.
Petroleum distillate GB 1111	8012-95-	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.75	48 hr	EC50	0.11	PPM	0.08-0.13

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Petroleum distillate GB 1111	8012-95-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	98.75	96 hr	EC50	6.07	PPM	4.88-7.53
Phenethyl propionate/eugenol (7:3 ratio)	122-70-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98	96 hr	LC50	12	PPM	N.R.
Phenmedipham	13684-63-4	Crustacea	Water flea	Daphnia magna	< 24hr	S	93.4	48 hr	EC50	14	PPM	12-16
Phenmedipham	13684-63-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.4	96 hr	EC50	3.2	PPM	N.R.
Phenmedipham	13684-63-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95.4	96 hr	LC50	1.41	PPM	1.26-1.58
Phenmedipham	13684-63-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95.4	96 hr	LC50	3.98	PPM	3.5-4.46
Phenol	108-95-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	N.R.	EC50	11.8	PPM	N.R.
Phenol	108-95-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	Tech	N.R.	LC50	8.9	PPM	N.R.
Phenol	108-95-2	Fishes	Fathead minnow	Pimephales promelas	Adult	F	Tech	N.R.	LC50	67.5	PPM	N.R.
Phenthoate (Cidial)	2597-03-7	Crustacea	Pink shrimp	Penaeus duorarum	Adult	S	90	48 hr	LC50	24	PPB	N.R.
Phenthoate (Cidial)	2597-03-7	Fishes	Longnose killifish	Fundulus similis	Adult	S	90	48 hr	LC50	2.4	PPB	N.R.
Phenthoate (Cidial)	2597-03-7	Mollusca	Eastern oyster	Crassostrea virginica	Adult	S	90	24 hr	EC50	320	PPB	N.R.
Phenthoate (Cidial)	2597-03-7	Crustacea	Water flea	Daphnia magna	N.R.	S	Tech	48 hr	EC50	1.9	PPB	1.6-2.26
Phenthoate (Cidial)	2597-03-7	Crustacea	Crayfish (freshwater)	Austropotamobius pallipes	Adult	S	Tech	24 hr	LC50	0.5	PPM	N.R.
Phenthoate (Cidial)	2597-03-7	Fishes	Mosquitofish	Gambusia affinis	Adult	S	Tech	96 hr	LC50	0.12	PPM	0.105-.137
Phenthoate (Cidial)	2597-03-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Adult	S	Tech	96 hr	LC50	24	PPB	18-31
Phenthoate (Cidial)	2597-03-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Adult	S	Tech	96 hr	LC50	12	PPB	8.3-17.1
Phenthoate (Cidial)	2597-03-7	Fishes	Bluegill sunfish	Lepomis macrochirus	Adult	S	Tech	96 hr	LC50	3.3	PPB	1-10
Phenthoate (Cidial)	2597-03-7	Fishes	Common carp	Cyprinus carpio	Adult	S	Tech	24 hr	LC50	1	PPM	N.R.
Phenthoate (Cidial)	2597-03-7	Mollusca	Great ramshorn	Planorbis corneus	Adult	S	Tech	24 hr	LC50	20	PPM	N.R.
PHMB	32289-58-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	Tech	96 hr	LC50	0.11	PPM	0.09-0.13
Phorate	298-02-2	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	89.5	96 hr	LC50	0.27	PPB	0.16-0.32
Phorate	298-02-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	89.5	96 hr	LC50	1.9	PPB	1.0-3.2
Phorate	298-02-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	28 D	S	89.5	96 hr	LC50	4	PPB	3.5-4.5
Phorate	298-02-2	Fishes	Spot	Leiostomus xanthurus	Adult	S	89.5	96 hr	LC50	5	PPB	4.2-5.6

Phorate	298-02-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	89.5	48 hr	EC50	900	PPB	400-1900
Phorate	298-02-2	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	90	96 hr	LC50	0.11	PPB	0.08-0.16
Phorate	298-02-2	Crustacea	Mysid	Americamysis bahia	Juv	F	90	96 hr	LC50	0.33	PPB	0.27-0.43
Phorate	298-02-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	90	48 hr	LC50	0.46	PPB	N.R.
Phorate	298-02-2	Crustacea	Mysid	Americamysis bahia	Adult	F	90	96 hr	LC50	0.31	PPB	0.22-0.4
Phorate	298-02-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	90	96 hr	LC50	1.3	PPB	0.97-1.7
Phorate	298-02-2	Fishes	Spot	Leiostomus xanthurus	Adult	F	90	96 hr	LC50	3.9	PPB	3.1-5.6
Phorate	298-02-2	Fishes	Longnose killifish	Fundulus similis	Juv	F	90	48 hr	LC50	0.36	PPB	N.R.
Phorate	298-02-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90	96 hr	EC50	640	PPB	N.R.
Phorate	298-02-2	Fishes	Largemouth bass	Micropterus salmoides	0.9g	S	91	96 hr	LC50	5	PPB	4.7-5.4
Phorate	298-02-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0g	S	91	96 hr	LC50	2	PPB	1.5-2.5
Phorate	298-02-2	Fishes	Channel catfish	Ictalurus punctatus	1.0g	S	91	96 hr	LC50	280	PPB	115-680
Phorate	298-02-2	Fishes	Northern pike	Esox lucius	0.7g	S	91	96 hr	LC50	110	PPB	90-130
Phorate	298-02-2	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	4	PPB	2.0-7.0
Phorate	298-02-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2g	S	100	96 hr	LC50	13	PPB	11.0-16.0
Phorate	298-02-2	Fishes	Cutthroat trout	Oncorhynchus clarkii	1.0g	S	100	96 hr	LC50	66	PPB	61.0-71.0
Phorate	298-02-2	Fishes	Walleye	Stizostedion vitreum v.	1.2g	S	100	96 hr	LC50	57	PPB	42-77
Phorate	298-02-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	100	96 hr	LC50	1	PPB	0.6-1.8
Phorate	298-02-2	Crustacea	Scud	Gammarus lacustris	2 MOS	S	Tech	96 hr	LC50	9	PPB	5.1-13.0
Phorate	298-02-2	Crustacea	Crayfish	Orconectes nais	Adult	S	Tech	96 hr	LC50	50	PPB	30-75
Phorate	298-02-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	0.68	PPB	0.36-1.0
Phosalone	2310-17-0	Crustacea	Water flea	Daphnia magna	< 20 h	S	94	48 hr	EC50	1200	PPB	1100-1400
Phosalone	2310-17-0	Fishes	Rainbow trout	Oncorhynchus mykiss	2.3 g	S	94	96 hr	LC50	630	PPB	540-730
Phosalone	2310-17-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	S	96	96 hr	LC50	50	PPB	39-64
Phosmet	732-11-6	Crustacea	Mysid	Americamysis bahia	Juv	S	94.3	96 hr	LC50	16	PPB	12-23
Phosmet	732-11-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.11 g	S	94.3	96 hr	LC50	170	PPB	130-220
Phosmet	732-11-6	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	95	48 hr	LC50	2.5	PPB	N.R.
Phosmet	732-11-6	Crustacea	Fiddler crab	Uca pugilator	Juv	S	95	96 hr	LC50	1	PPM	0.6-1.5
Phosmet	732-11-6	Fishes	Longnose killifish	Fundulus similis	Juv	F	95	48 hr	LC50	32	PPB	N.R.

Phosmet	732-11-6	Fishes	Striped mullet	Mugil cephalus	Juv	F	95	48 hr	LC50	32	PPB	N.R.
Phosmet	732-11-6	Crustacea	Fairy shrimp	Streptocephalus seali	Adult	S	95.3	48 hr	LC50	170	PPB	145-220
Phosmet	732-11-6	Crustacea	Scud	Gammarus fasciatus	Adult	S	95.3	96 hr	LC50	2	PPB	1.4-2.8
Phosmet	732-11-6	Fishes	Chinook salmon	Oncorhynchus tshawytscha	1 gm	S	95.3	96 hr	LC50	150	PPB	112-200
Phosmet	732-11-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.10 g	F	95.3	96 hr	LC50	120	PPB	105-136
Phosmet	732-11-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	95.3	96 hr	LC50	105	PPB	66-167
Phosmet	732-11-6	Fishes	Fathead minnow	Pimephales promelas	0.1 g	S	95.3	96 hr	LC50	7300	PPB	4670-11390
Phosmet	732-11-6	Fishes	Channel catfish	Ictalurus punctatus	0.40 g	S	95.3	96 hr	LC50	10.6	PPM	8.36-13.43
Phosmet	732-11-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	95.3	96 hr	LC50	22	PPB	15-33
Phosmet	732-11-6	Fishes	Smallmouth bass	Micropterus dolomieui	0.4 g	S	95.3	96 hr	LC50	150	PPB	100-224
Phosmet	732-11-6	Fishes	Largemouth bass	Micropterus salmoides	0.5 g	S	95.3	96 hr	LC50	160	PPB	105-244
Phosmet	732-11-6	Crustacea	Water flea	Daphnia magna	1st-I	S	95.8	48 hr	EC50	5.6	PPB	4.2-8.4
Phosmet	732-11-6	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	95.8	96 hr	LC50	90	PPB	62-130
Phosmet	732-11-6	Crustacea	Sowbug	Asellus brevicaudus	Mat	F	95.8	96 hr	LC50	72	PPB	57-90
Phosmet	732-11-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	96	96 hr	LC50	122	PPB	65-231
Phosmet	732-11-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.55 g	S	97	96 hr	LC50	230	PPB	150-350
Phosmet	732-11-6	Mollusca	Quahog clam	Mercenaria mercenaria	EmbLrv	S	100	48 hr	EC50	92.49	PPM	87.95-98.36
Phosmet	732-11-6	Crustacea	Scud	Gammarus fasciatus	N.R.	S	Tech	48 hr	LC50	2	PPB	N.R.
Phosmet	732-11-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	70	PPB	N.R.
Phosmet	732-11-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	560	PPB	N.R.
Phosphamidon	13171-21-6	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	80	48 hr	EC50	12	PPB	7.9-18.0
Phosphamidon	13171-21-6	Crustacea	Water flea	Daphnia pulex	1st-I	S	80	48 hr	EC50	10	PPB	6.7-15.0
Phosphamidon	13171-21-6	Crustacea	Scud	Gammarus fasciatus	Mat.	S	80	96 hr	LC50	3	PPB	2.0-4.5
Phosphamidon	13171-21-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	80	96 hr	LC50	7.8	PPM	6.2-9.8
Phosphamidon	13171-21-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	80	96 hr	LC50	3.4	PPM	2.4-4.9
Phosphamidon	13171-21-6	Fishes	Fathead minnow	Pimephales promelas	1.0 g	S	80	96 hr	LC50	100	PPM	91-110
Phosphamidon	13171-21-6	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	80	96 hr	LC50	70	PPM	67-74

Phosphamidon	13171-21-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	91.3	48 hr	LC50	240	PPB	N.R.
Phosphamidon	13171-21-6	Crustacea	Water flea	Daphnia magna	<24hr	S	92.5	48 hr	EC50	12.7	PPB	10.9-14.7
Phosphamidon	13171-21-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92.6	96 hr	LC50	119	PPB	90-200
Phosphamidon	13171-21-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.3 g	F	92.6	96 hr	LC50	74	PPM	59-89
Phosphamidon	13171-21-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92.6	96 hr	EC50	79	PPM	19-1100
Phosphamidon	13171-21-6	Crustacea	Scud	Gammarus lacustris	Mat.	S	Tech	96 hr	LC50	2.8	PPB	1.8-4.9
Phosphamidon	13171-21-6	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	16	PPB	10-26
Phosphamidon	13171-21-6	Crustacea	Crayfish	Orconectes nais	N.R.	S	Tech	96 hr	LC50	7.5	PPM	6.8-9.7
Phosphamidon	13171-21-6	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	16	PPB	10-26
Phosphoric acid Divosan X-Tend formulation	7664-38-2	Crustacea	Water flea	Daphnia magna	<24 Hr	S	100	48 Hr	EC50	105	PPM	72-121
Phosphoric acid Divosan X-Tend formulation	7664-38-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.52 g	S	100	96 Hr	LC50	87	PPM	74-123
Phosphoric acid Divosan X-Tend formulation	7664-38-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.39 g	S	100	96 Hr	LC50	60	PPM	43-72
Phostebupirim	96182-53-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	91.6	96 hr	LC50	2220	PPB	1420-4500
Phostebupirim	96182-53-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93.7	96 hr	LC50	6.63	PPB	5.66-7.8
Phostebupirim	96182-53-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.2	48 hr	EC50	0.078	PPB	0.039-0.11
Phostebupirim	96182-53-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.38 g	F	98	96 hr	LC50	36	PPB	30.0-41.2
Phostebupirim	96182-53-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	EC50	958	PPB	883-1038
Phostebupirim	96182-53-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	F	99.6	96 hr	LC50	89	PPB	56-110
Picloram	1918-02-1	Fishes	Fathead minnow	Pimephales promelas	Juv	S	93.8	96 hr	LC50	55.3	PPM	N.R.
Picloram	1918-02-1	Crustacea	Scud	Gammarus fasciatus	Adult	S	99	96 hr	LC50	27	PPM	20-37
Picloram	1918-02-1	Crustacea	Scud	Gammarus pseudolimnaeus	Juv	S	99	96 hr	LC50	16.5	PPM	10.8-25.3
Picloram	1918-02-1	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.7 g	S	99	96 hr	LC50	3.5	PPM	3-4
Picloram	1918-02-1	Fishes	Cutthroat trout	Oncorhynchus clarkii	3.8 g	F	99	96 hr	LC50	1.5	PPM	1.2-1.8
Picloram	1918-02-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	99	96 hr	LC50	3.1	PPM	1.7-5.6

Picloram	1918-02-1	Fishes	Lake trout	Salvelinus namaycush	0.5 g	S	99	96 hr	LC50	2.4	PPM	1.7-3.3
Picloram	1918-02-1	Fishes	Lake trout	Salvelinus namaycush	2.5 g	F	99	96 hr	LC50	1.9	PPM	1.6-2.1
Picloram	1918-02-1	Fishes	Lake trout	Salvelinus namaycush	YlkFry	F	99	96 hr	LC50	1.4	PPM	0.7-2.5
Picloram	1918-02-1	Fishes	Lake trout	Salvelinus namaycush	YlkFry	S	99	96 hr	LC50	2.9	PPM	2.4-3.4
Picloram	1918-02-1	Fishes	Channel catfish	Ictalurus punctatus	1.4 g	S	99	96 hr	LC50	1.4	PPM	0.7-2.5
Picloram	1918-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv.	S	99	96 hr	LC50	13.5	PPM	10.4-17.0
Picloram	1918-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S		96 hr	LC50	21.8	PPM	19.1-24.8
Picloram	1918-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S		96 hr	LC50	24.6	PPM	20.6-26
Picloram	1918-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S		96 hr	LC50	23	PPM	20.4-26
Picloram	1918-02-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.87 g	S		96 hr	LC50	22.5	PPM	21.6-23.4
Picloram potassium salt	2545-60-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	91	96 hr	LC50	13	PPM	N.R.
Picloram potassium salt	2545-60-0	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	91	96 hr	LC50	24	PPM	N.R.
Picloram potassium salt	2545-60-0	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	91	96 hr	LC50	14	PPM	N.R.
Picloram potassium salt	2545-60-0	Crustacea	Water flea	Daphnia magna	1st-I	S	93.8	48 hr	EC50	68.3	PPM	63-75
Picloram triethylamine salt	35832-11-2	Crustacea	Scud	Gammarus fasciatus	<24 hr	S	Tech	96 hr	LC50	27	PPM	20-37
Picloram triisopropanolamine salt	6753-47-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	88.6	48 hr	EC50	226	PPM	120-1712
Picloram triisopropanolamine salt	6753-47-5	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	375	PPM	N.R.
Pindone (Pival)	83-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	1.6	PPM	1.58-1.62
Pindone (Pival)	83-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	0.21	PPM	0.18-0.25
Pine oil	8002-09-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	24.5	PPM	17-28
Pine oil	8002-09-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	100	96 hr	LC50	54.82	PPM	36-Inf
Pine oil	8002-09-3	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	100	96 hr	LC50	18.35	PPM	16-21
Pinoxaden	243973-20-8	Fishes	Fathead minnow	Pimephales promelas	1.6 g	F	97.2	96 h	LC50	20	PPM	16-23
Pinoxaden	243973-20-8	Fishes	Fathead minnow	Pimephales promelas	1.6 g	F	97.2	96 h	LC50	20	PPM	16-23
Pinoxaden	243973-20-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.7	96 h	LC50	8.1	PPM	7.4-8.8
Pinoxaden	243973-	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.7	96 h	LC50	8.1	PPM	7.4-8.8

	20-8											
Pinoxaden	243973-20-8	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.7	96 h	LC50	0.32	PPM	.18-.56
Pinoxaden	243973-20-8	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.7	96 h	LC50	0.32	PPM	0.18-0.56
Piperalin	3478-94-2	Fishes	Goldfish	Carassius auratus	1.0 g	S	82.4	96 hr	LC50	2	PPM	1.5-2.6
Piperalin	3478-94-2	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99	48 hr	EC50	1.89	PPM	1.38-2.63
Piperalin	3478-94-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	F	99	96 hr	LC50	0.77	PPM	0.65-1.12
Piperonyl butoxide	51-03-6	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	90.5	48 hr	EC50	4.1	PPM	3.8-4.6
Piperonyl butoxide	51-03-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	90.78	48 hr	EC50	510	PPB	430-630
Piperonyl butoxide	51-03-6	Fishes	Rainbow trout	Oncorhynchus mykiss	4.6 g	F	90.78	96 hr	LC50	6.1	PPM	3.7-8.0
Piperonyl butoxide	51-03-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.46 g	F	90.78	96 hr	LC50	3.94	PPM	2.97-5.24
Piperonyl butoxide	51-03-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	90.78	96 hr	LC50	5.37	PPM	4.41-6.94
Piperonyl butoxide	51-03-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.78	96 hr	EC50	230	PPB	200-260
Piperonyl Butoxide	51-03-6	Crustacea	Mysid	Americamysis bahia	Juveni	F	91.95	96 Hr	LC50	490	PPB	410-610
Piperonyl butoxide	51-03-6	Crustacea	Sowbug	Asellus brevicaudus	Adult	S	100	96 hr	LC50	12	PPM	6.6-22.0
Piperonyl butoxide	51-03-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1 g	S	100	96 hr	LC50	1.8	PPM	1.0-3.3
Piperonyl butoxide	51-03-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	100	96 hr	LC50	3.4	PPM	2.7-4.3
Piperonyl butoxide	51-03-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	100	96 hr	LC50	4.2	PPM	3.8-4.6
Piperonyl butoxide	51-03-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.73 g	S	Tech	96 hr	LC50	2.82	PPM	2.27-3.49
Piperonyl butoxide	51-03-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.46-1	S	Tech	96 hr	LC50	4	PPM	3.27-4.88
Piperonyl butoxide	51-03-6	Fishes	Goldfish	Carassius auratus	1.41 g	S	Tech	96 hr	LC50	5.32	PPM	4.44-6.37
Piperonyl butoxide	51-03-6	Fishes	Common carp	Cyprinus carpio	0.54 g	S	Tech	96 hr	LC50	4.22	PPM	3.38-5.26
Piperonyl butoxide	51-03-6	Fishes	Fathead minnow	Pimephales promelas	0.25 g	S	Tech	96 hr	LC50	6.2	PPM	5.47-7.02
Piperonyl butoxide	51-03-6	Fishes	Channel catfish	Ictalurus punctatus	1.38 g	S	Tech	96 hr	LC50	6.4	PPM	5.56-7.36
Piperonyl butoxide	51-03-6	Fishes	Black bullhead	Ictalurus melas	1.5 g	S	Tech	96 hr	LC50	5.65	PPM	4.81-6.64
Piperonyl butoxide	51-03-6	Fishes	Green sunfish	Lepomis cyanellus	1.8 g	S	Tech	96 hr	LC50	12.2	PPM	10.8-13.8
Piperonyl butoxide	51-03-6	Fishes	Yellow perch	Perca flavescens	1.56 g	S	Tech	96 hr	LC50	6.9	PPM	6.25-7.52
Piperonyl butoxide	51-03-6	Fishes	White sucker	Catostomus commersoni	1.77 g	S	Tech	96 hr	LC50	6.95	PPM	6.35-7.6
Pirimicarb	23103-98-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	97.7	96 hr	LC50	55	PPM	49-61

Pirimicarb	23103-98-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	97.7	96 hr	LC50	29	PPM	29-30
Pirimicarb	23103-98-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.9	96 hr	LC50	19.6	PPM	9.9-56
Pirimicarb	23103-98-2	Mollusca	Pacific oyster	Crassostrea gigas	Emblrv	S	98.9	48 hr	EC50	9.4	PPM	8.2-11
Pirimicarb	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	0.019	PPM	0.016-0.022
Pirimicarb	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.13	48 hr	EC50	0.0065	PPM	0.005-0.0087
Pirimicarb	23103-98-2	Crustacea	Water flea	Daphnia pulex	<24 hr	S	99.9	48 hr	LC50	19.1	PPB	11.-33
Pirimicarb	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.5	48 hr	EC50	17	PPB	10-35
Pirimicarb	23103-98-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.68 g	S	98.9	96 hr	LC50	79	PPM	65-102
Pirimicarb R16210 degradate	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	28	PPM	21-37
Pirimicarb R34836 metabolite	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	50	PPB	30-96
Pirimicarb R34885 metabolite	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	18.2	PPB	9.5-29
Pirimicarb R35140 degradate	23103-98-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	90	48 hr	EC50	90	PPB	67-121
Pirimiphos-methyl	29232-93-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	84	96 hr	LC50	1.16	PPM	0.92-1.46
Pirimiphos-methyl	29232-93-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	84	96 hr	LC50	2.86	PPM	2.64-3.10
Pirimiphos-methyl	29232-93-7	Fishes	Fathead minnow	Pimephales promelas	N.R.	F	88.9	96 hr	LC50	2.5	PPM	2.3-2.6
Pirimiphos-methyl	29232-93-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	F	88.9	96 hr	LC50	0.404	PPM	0.36-.44
Pirimiphos-methyl	29232-93-7	Crustacea	Water flea	Daphnia magna	1st-I	S	99.5	48 hr	EC50	0.21	PPB	0.15-0.31
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	1.9	PPM	1.4-2.4
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Crustacea	Water flea	Daphnia magna	<24 Hr	S	100	48 hr	EC50	290	PPM	250-350
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Crustacea	Mysid	Americamysis bahia	6-7 D	S	100	96 hr	LC50	9	PPM	6-14
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	S	100	96 hr	LC50	290	PPM	250-390
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	100	96 hr	LC50	98	PPM	71-150
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	100	48 hr	EC50	2.5	PPM	2.2-4.9
POE Isooctadecanol Arosurf 66-E2	52292-17-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	100	96 hr	EC50	1.5	PPM	0.9-3.4
Polyxylenol tetrasulfide (PXTS)	N.R.	Crustacea	Marine amphipod	Leptocheirus plumulosus	2-4mm	S	100	10 D	EC50	42	MGK	25-50
Polyxylenol tetrasulfide (PXTS)	N.R.	Mollusca	Eastern oyster	Crassostrea virginica	45.0m	F	100	96 hr	EC50	64	PPB	40-105

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Potassium dichloroisocyanurate	2244-21-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	0.17	PPM	0.14-0.21
Potassium dichloroisocyanurate	2244-21-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	0.316	PPM	0.279-.356
Potassium dichloroisocyanurate	2244-21-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	S	100	96 hr	LC50	0.49	PPM	0.3-1.4
Potassium dichloroisocyanurate	2244-21-5	Fishes	Brook trout	Salvelinus fontinalis	0.79 g	S	100	96 hr	LC50	0.278	PPM	0.24-.32
Potassium oleate	143-18-0	Crustacea	Water flea	Daphnia pulex	1st-I	S	100	48 hr	EC50	0.57	PPM	0.43-0.74
Potassium oleate	143-18-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	100	96 hr	LC50	23	PPM	19-27.5
Potassium permanganate	7722-64-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.12 g	S	97.5	96 hr	LC50	3.6	PPM	1.8-5.6
Potassium permanganate	7722-64-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	0.084	PPM	0.056-0.1
Potassium permanganate	7722-64-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	2.7	PPM	N.R.
Potassium permanganate	7722-64-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	100	96 hr	LC50	2.3	PPM	N.R.
Potassium peroxymonosulfate-Oxone monopersulfate	37222-66-5	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.7	48 hr	EC50	3.5	PPM	3.0-4.2
Potassium peroxymonosulfate-Oxone monopersulfate	37222-66-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	SR	99.7	96 hr	LC50	53	PPM	43-68
Potassium salts of fatty acids	67701-09-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	100	96 hr	LC50	9.19	PPM	7.28-11.5
Prallethrin	23031-36-9	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.9	48 hr	EC50	6.2	PPB	4.6-8.4
Prallethrin	23031-36-9	Fishes	Bluegill sunfish	Lepomis macrochirus	3.2 g	F	92.9	96 hr	LC50	22	PPB	16-35
Prallethrin	23031-36-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	F	92.9	96 hr	LC50	12	PPB	8.9-22
Prallethrin	23031-36-9	Crustacea	Freshwater amphipod	Hyalella azteca	10 D	F	93.4	10 D	LC50	18 (overwa)	PPB	16-19
Prallethrin	23031-36-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.2	96 hr	LC50	3.9	PPB	3.4-4.3
Prallethrin	23031-36-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.2 g	F	94.2	96 hr	LC50	26	PPB	23-31
Prallethrin	23031-36-9	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	F	94.2	96 hr	EC50	0.58	PPM	0.37-0.88
Primisulfuron-methyl	86209-51-0	Mollusca	Quahog clam	Mercenaria mercenaria	Embryo	S	92.7	48 hr	EC50	55	PPM	N.R.
Primisulfuron-methyl	86209-51-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.27 g	S	95.3	96 hr	LC50	210	PPM	160-260
Primisulfuron-methyl	86209-51-0	Crustacea	Mysid	Americamysis bahia	Juv	S	98.2	96 hr	LC50	16	PPM	12-22
Primisulfuron-methyl	86209-51-0	Crustacea	Mysid	Americamysis bahia	N.R.	S	100	96 hr	LC50	62	PPM	50-88

Prodiamine	29091-21-2	Crustacea	Mysid	Americamysis bahia	<24 hr	S	91.7	96 hr	LC50	2100	PPB	1700-2600
Prodiamine	29091-21-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.8	96 hr	EC50	370	PPB	280-530
Prodiamine	29091-21-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99.6	96 hr	LC50	3.18	PPM	1.98-5.08
Profenofos	41198-08-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	88	48 hr	EC50	1.06	PPB	0.83-1.36
Profenofos	41198-08-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	88	96 hr	LC50	300	PPB	N.R.
Profenofos	41198-08-7	Fishes	Black bullhead	Ictalurus melas	N.R.	S	88	96 hr	LC50	20	PPB	N.R.
Profenofos	41198-08-7	Fishes	Crucian carp	Carassius carassius	N.R.	S	88	96 hr	LC50	90	PPB	N.R.
Profenofos	41198-08-7	Fishes	Guppy	Poecilia reticulata	N.R.	S	88	96 hr	LC50	800	PPB	N.R.
Profenofos	41198-08-7	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	88	96 hr	LC50	2390	PPB	1760-3260
Profenofos	41198-08-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	90.4	48 hr	EC50	0.93	PPB	0.7-2.0
Profenofos	41198-08-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	90.6	48 hr	EC50	2.8	PPB	2.2-3.6
Profenofos	41198-08-7	Crustacea	Mysid	Americamysis bahia	N.R.	F	90.6	96 hr	LC50	2.37	PPB	2.18-2.73
Profenofos	41198-08-7	Crustacea	Blue crab	Callinectes sapidus	N.R.	S	90.6	96 hr	LC50	33	PPB	26-41
Profenofos	41198-08-7	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	90.6	96 hr	LC50	4.6	PPB	3.6-6.0
Profenofos	41198-08-7	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	90.6	96 hr	LC50	21	PPB	15-34
Profenofos	41198-08-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90.6	96 hr	LC50	25	PPB	21-29
Profenofos	41198-08-7	Fishes	Pinfish	Lagodon rhomboides	N.R.	S	90.6	96 hr	LC50	7.7	PPB	6-10
Profenofos	41198-08-7	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90.6	96 hr	LC50	41	PPB	38-45
Profenofos	41198-08-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.6	96 hr	EC50	263	PPB	223-302
Profenofos	41198-08-7	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0g	S	94.7	96 hr	LC50	21	PPB	18-24
Profenofos	41198-08-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.35 g	S	94.7	96 hr	LC50	19	PPB	14.9-24.2
Prometon	1610-18-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.7	96 hr	EC50	27.5	PPM	24.2-31.1
Prometon	1610-18-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.5	48 hr	EC50	25.7	PPM	20-32
Prometon	1610-18-0	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.5	96 hr	LC50	17.7	PPM	14-22
Prometon	1610-18-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	98.5	96 hr	LC50	41.5	PPM	29-58
Prometon	1610-18-	Fishes	Rainbow trout	Oncorhynchus	0.9 g	S	98.5	96 hr	LC50	19.6	PPM	17-22

	0			mykiss								
Prometon	1610-18-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.8 g	S	98.5	96 hr	LC50	47.3	PPM	37-73
Prometon	1610-18-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99.2	96 hr	LC50	20	PPM	10.4-38
Prometon	1610-18-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	59.8	PPM	52-68.6
Prometryn	7287-19-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.1	96 hr	LC50	2.32	PPM	1.96-2.66
Prometryn	7287-19-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.42 g	S	98.1	96 hr	LC50	5.1	PPM	4.0-7.0
Prometryn	7287-19-6	Mollusca	Quahog clam	Mercenaria mercenaria	Embryo	S	98.1	48 hr	EC50	21	PPM	12-51
Prometryn	7287-19-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.9	48 hr	EC50	18.59	PPM	15.46-22.12
Prometryn	7287-19-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	99	96 hr	LC50	10	PPM	6.2-14.0
Prometryn	7287-19-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	99	96 hr	LC50	2.9	PPM	2.14-4.05
Prometryn	7287-19-6	Fishes	Goldfish	Carassius auratus	1.1 g	S	99	96 hr	LC50	4	PPM	1.23-8.86
Prometryn	7287-19-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.42 g	S	80W	96 hr	LC50	10	PPM	0-18.0
Prometryn	7287-19-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	80W	96 hr	LC50	7.2	PPM	5.6-8.7
Propachlor	1918-16-7	Crustacea	Water flea	Daphnia magna	1st-I	S	94.5	48 hr	EC50	6.9	PPM	5.6-8.6
Propachlor	1918-16-7	Fishes	Channel catfish	Ictalurus punctatus	0.6 g	S	94.5	96 hr	LC50	0.23	PPM	0.18-0.29
Propachlor	1918-16-7	Crustacea	Water flea	Daphnia magna	1st-I	S	96.6	48 hr	EC50	7.8	PPM	6.6-8.9
Propachlor	1918-16-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	96.6	96 hr	LC50	0.17	PPM	0.14-0.20
Propamocarb (Previcur N HCL formulation)	25606-41-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.8 g	S	70	96 hr	LC50	409	PPM	311-536
Propamocarb hydrochloride	25606-41-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	Tech	96 hr	EC50	39.2	PPM	35-44
Propanil	709-98-8	Fishes	Fathead minnow	Pimephales promelas	N.R.	F	86	192 h	LC50	2.6	PPM	1.7-4.2
Propanil	709-98-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	86.2	48 hr	EC50	6.7	PPM	N.R.
Propanil	709-98-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	86.2	96 hr	LC50	5.4	PPM	4.5-7.0
Propanil	709-98-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	88	96 hr	LC50	2.3	PPM	1.8-3.0
Propanil	709-98-8	Crustacea	Mysid	Americamysis bahia	Juv	F	98	96 hr	LC50	0.4	PPM	0.35-.48
Propanil	709-98-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.29 g	F	98	96 hr	LC50	4.6	PPM	3.4-5.8
Propanil	709-98-8	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	98	96 hr	EC50	4.96	PPM	4.4-5.6

Propanil	709-98-8	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	16	PPM	8.5-32
Propanil	709-98-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	26 hr	EC50	4.8	PPM	3.8-6.6
Propargite	2312-35-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	76.2	48 hr	EC50	74	PPB	66.1-84.7
Propargite	2312-35-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.5 g	F	76.2	96 hr	LC50	143	PPB	105-231
Propargite	2312-35-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	87.4	96 hr	LC50	60	PPB	30-100
Propargite	2312-35-8	Mollusca	Quahog clam	Mercenaria mercenaria	EmbLrv	F	87.4	48hr	EC50	80	PPB	N.R.
Propargite	2312-35-8	Crustacea	Water flea	Daphnia magna	1st-I	S	100	48 hr	EC50	91	PPB	78.8-120.0
Propargite	2312-35-8	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	100	96 hr	LC50	101	PPB	70.0-130.0
Propargite	2312-35-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	167	PPB	137.7-202.2
Propargite	2312-35-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	118	PPB	96-146
Propetamphos	31218-83-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	90	48 hr	EC50	3.3	PPB	1.8-4.2
Propetamphos	31218-83-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	90	96 hr	LC50	2600	PPB	2300-3000
Propetamphos	31218-83-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.8 g	F	90	96 hr	LC50	1100	PPB	810-1600
Propetamphos	31218-83-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	91	96 hr	LC50	944	PPB	787-1133
Propetamphos	31218-83-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	91	96 hr	LC50	191	PPB	142-256
Propetamphos	31218-83-4	Crustacea	Water flea	Daphnia magna	<20 hr	S	92	48 hr	EC50	14.27	PPB	12.0-16.9
Propiconazole	60207-90-1	Crustacea	Water flea	Daphnia magna	N.R.	S	90	48 hr	EC50	11.3	PPM	9.9-13.0
Propiconazole	60207-90-1	Fishes	Common carp	Cyprinus carpio	N.R.	S	90	96 hr	LC50	5.7	PPM	0.0-8.1
Propiconazole	60207-90-1	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	90	96 hr	LC50	4.87	PPM	3.8-6.3
Propiconazole	60207-90-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	90	96 hr	LC50	5.5	PPM	2.5-9.5
Propiconazole	60207-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.36 g	S	90	96 hr	LC50	5.2	PPM	4.0-6.7
Propiconazole	60207-90-1	Crustacea	Mysid	Americamysis bahia	6-8 D	S	90.7	96 hr	LC50	0.51	PPM	0.37-0.67
Propiconazole	60207-90-1	Crustacea	Crayfish	Procambarus sp.	3 g	S	90.7	96 hr	LC50	49	PPM	35-88
Propiconazole	60207-90-1	Fishes	Spot	Leiostomus xanthurus	N.R.	S	90.7	96 hr	LC50	2.2	PPM	1.8-2.8
Propiconazole	60207-90-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.7	96 hr	EC50	1.7	PPM	0.8-3.6
Propiconazole	60207-90-1	Crustacea	Water flea	Daphnia magna	1st IN	S	91	48 hr	EC50	4.8	PPM	3.9-6.2

Propiconazole	60207-90-1	Fishes	Channel catfish	Ictalurus punctatus	1.9 g	S	91	96 hr	LC50	1	PPM	N.R.
Propiconazole	60207-90-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.21 g	S	91	96 hr	LC50	1.3	PPM	1.0-1.8
Propiconazole	60207-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	91	96 hr	LC50	0.85	PPM	0.67-1.2
Propiconazole	60207-90-1	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	91.7	48 hr	EC50	3.4	PPM	3.1-3.7
Propiconazole 1,2,4-Triazol metabolite	60207-90-1	Crustacea	Water flea	Daphnia magna	24hr	S	91.9	24 hr	EC50	779	PPM	549-1649
Propiconazole 1,2,4-triazol metabolite	60207-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.27 g	S	91.9	96 hr	LC50	506	PPM	383-668
Propoxur	114-26-1	Fishes	Brook trout	Salvelinus fontinalis	0.96 g	S	70	96 hr	LC50	3.55	PPM	2.5-5
Propoxur	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	70	96 hr	LC50	9	PPM	6.6-12.2
Propoxur	114-26-1	Crustacea	Scud	Gammarus lacustris	Adult	S	88	96 hr	LC50	0.034	PPM	0.029-.039
Propoxur	114-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	88	96 hr	LC50	8.2	PPM	N.R.
Propoxur	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	88	96 hr	LC50	4.8	PPM	N.R.
Propoxur	114-26-1	Fishes	Fathead minnow	Pimephales promelas	0.6 g	S	88	96 hr	LC50	25	PPM	N.R.
Propoxur	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	95	96 hr	LC50	6.1	PPM	4.1-9.0
Propoxur	114-26-1	Crustacea	Water flea	Daphnia magna	N.R.	S	98.8	48 hr	EC50	11	PPB	9-12
Propoxur	114-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	98.8	96 hr	LC50	3.7	PPM	3.0-4.6
Propoxur	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	S	98.8	96 hr	LC50	6.2	PPM	5.2-7.3
Propoxur	114-26-1	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	0.041	PPM	N.R.
Propoxur	114-26-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	100	48 hr	LC50	1	PPM	N.R.
Propoxur	114-26-1	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	Tech	96 hr	LC50	1.3	PPM	1.2-1.5
Propoxur	114-26-1	Fishes	Goldfish	Carassius auratus	N.R.	S	Tech	96 hr	LC50	50	PPM	41-62
Propoxur	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	6.6	PPM	5.2-8.3
Propoxur	114-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	4	PPM	3.6-4.3
Propoxur Baygon 1.5 formulation	114-26-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64 g	S	86.1	96 hr	LC50	17.3	PPM	7.5-21
Propoxur/Pyrethrins I & II Kilz M formulation	114-26-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.18 g	S	85	48 hr	LC50	12.2	PPM	11.2-13.3
Proprionic acid	79-09-4	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	99.5	96 hr	LC50	115	PPM	N.R.
Proprionic acid	79-09-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	99.5	96 hr	LC50	51	PPM	N.R.

Proprionic acid	79-09-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	22.7	PPM	21.0-24.6
Proprionic acid	79-09-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	100	96 hr	LC50	85.3	PPM	73.0-99.7
Proprionic acid	79-09-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	100	96 hr	LC50	67.1	PPM	61.6-73.2
Propyzamide	23950-58-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.2	96 hr	LC50	6.43	PPM	5.64-7.60
Propyzamide (Pronamide)	23950-58-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.7	96 hr	EC50	3.5	PPM	3.1-4.0
Propyzamide (Pronamide)	23950-58-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.44 g	SR	96.2	96 hr	LC50	10.6	PPM	N.A.
Propyzamide (Pronamide)	23950-58-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.44 g	SR	96.2	96 hr	LC50	10.6	PPM	N.A.
Prothiaconazole Desthio metabolite	120983-64-4	Fishes	Rainbow trout	Oncorhynchus mykiss	1.26 g	S	93.7	96 hr	LC50	5.94	PPM	4.2-8.4
Prothioconazole	178928-70-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.4	96 hr	LC50	2.4	PPM	2.0-4.1
Prothioconazole	178928-70-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	98.4	96 hr	LC50	4.23	PPM	3.79-4.79
Prothioconazole	178928-70-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	98.4	96 hr	LC50	1.83	PPM	0.99-3.08
Prothioconazole	178928-70-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98.4	96 hr	EC50	3	PPM	2.6-3.5
Prothioconazole	178928-70-6	Fishes	Common Carp	Cyprinus carpio	0.8 g	S	98.6	96 hr	LC50	6.42	PPM	4.79-8.91
Prothioconazole (JAU 6476 Technical)	178928-70-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.4	48 hr	EC50	1.2	PPM	1.09-1.32
Prothioconazole Desthio metabolite	120983-64-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.5	96 hr	LC50	0.06	PPM	0.046-0.079
Prothioconazole Desthio metabolite	120983-64-4	Fishes	Fathead minnow	Pimephales promelas	0.29 g	SR	96.5	96 hr	LC50	11.4	PPM	7.99-16.3
Prothioconazole S-Methyl metabolite	178928-70-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.6	48 hr	EC50	2.7	PPM	2.4-3.2
Prothioconazole S-Methyl metabolite	178928-70-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	SR	98.6	96 hr	LC50	1.78	PPM	1.14-2.39
Pymetrozine	123312-89-0	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.5	48 hr	EC50	87	PPM	68-130
Pymetrozine	123312-89-0	Crustacea	Mysid	Americamysis bahia	N.R.	F	98.5	96 hr	LC50	66.9	PPM	58.4-77
Pymetrozine	123312-89-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.5	96 hr	EC50	3.05	PPM	2.13-4.38
Pyraclostrobin	175013-18-0	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.09	96 hr	LC50	4.16	PPB	3.64-5.97
Pyraclostrobin	175013-18-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.55 g	F	97.09	96 hr	LC50	6.2	PPB	5.25-8.97
Pyraclostrobin	175013-18-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.16 g	F	97.09	96 hr	LC50	76.9	PPB	53.5-87.9

Pyraclostrobin	175013-18-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.11 g	F	97.09	96 hr	LC50	11.4	PPB	9.52-15.9
Pyraclostrobin	175013-18-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.09	96 hr	EC50	12.5	PPB	9.2-17.1
Pyraclostrobin	175013-18-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.1	48 hr	EC50	15.7	PPB	14.2-17.4
Pyraclostrobin/Carbamic acid mixture	175013-18-0	Fishes	Rainbow trout	Oncorhynchus mykiss	2.1 g	S	96.1	96 hr	LC50	57	PPM	39-82
Pyraclostrobin/Carbamic acid mixture	175013-18-0	Fishes	Rainbow trout	Oncorhynchus mykiss	2.7 g	S	99.6	96 hr	LC50	75	PPM	47-93
Pyraflufen-ethyl metabolite	129630-19-9	Crustacea	Mysid	Americamysis bahia	<24 hr	S	99	96 hr	LC50	9.4	PPM	6.1-13
Pyrasulfotole	365400-11-9	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.4	96 hr	LC50	1.1	PPM	0.84-1.5
Pyridaben	96489-71-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.04 g	SR	98	96 hr	LC50	2.3	PPB	1.9-2.68
Pyridaben	96489-71-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.22 g	SR	98	96 hr	LC50	2.52	PPB	1.8-3.2
Pyridaben	96489-71-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	99.7	48 hr	EC50	1.02	PPB	0.90-1.16
Pyridaben	96489-71-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.7	96 hr	LC50	0.67	PPB	0.54-0.94
Pyridaben	96489-71-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.3 g	F	99.7	96 hr	LC50	0.72	PPB	0.63-0.83
Pyridaben	96489-71-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.05 g	F	99.7	96 hr	LC50	17.2	PPB	13.3-26.5
Pyridaben	96489-71-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.2 g	F	100	96 hr	LC50	3.43	PPB	3.13-3.80
Pyridaben	96489-71-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	100	96 hr	EC50	5.7	PPB	0-Inf.
Pyridaben	96489-71-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	0.53	PPB	0.47-0.61
Pyridaben	96489-71-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.08 g	F	Tech	21 D	LC50	1.64	PPB	0.842-5.14
Pyridaben outdoor exposure test	96489-71-3	Fishes	Bluegill sunfish	Lepomis macrochirus	5.6 cm	S	75.8	96 hr	LC50	34.9	PPB	25.8-50.9
Pyridaben-outdoor exposure test	96489-71-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	75.4	96 hr	LC50	2.98	PPB	2.67-3.33
Pyridalyl	179101-81-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	93.7	48 hr	EC50	4.2	PPB	2.8-5.7
Pyridalyl	179101-81-6	Crustacea	Water flea	Daphnia magna	<24 Hr	S	93.7	48 Hr	EC50	30.4	PPB	23.8-39.7
Pyridalyl	179101-81-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93.7	96 hr	LC50	1	PPB	0.85-1.2
Pyridalyl	179101-81-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	F	93.7	96 hr	LC50	500	PPB	310-950
Pyridalyl	179101-81-6	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	93.7	96 hr	EC50	800	PPB	510-1300
Pyridalyl	179101-	Crustacea	Water flea	Daphnia magna	<24 hr	SR	99.1	48 hr	EC50	0.36	PPM	0.30-0.43

	81-6											
Pyridalyl (in overlying water)	179101-81-6	Crustacea	Freshwater isopod	Asellus aquaticus	4-7mm	S	96.8	96 hr	LC50	0.59	PPB	0.48-0.71
Pyridalyl (in overlying water)	179101-81-6	Crustacea	Freshwater Isopod	Asellus aquaticus	4-7 mm	F	96.8	96 hr	LC50	1.9	PPB	1.5-2.3
Pyridalyl (in porewater)	179101-81-6	Crustacea	Freshwater isopod	Asellus aquaticus	4-7mm	F	96.8	96 hr	LC50	6	PPB	4.8 - 7.5
Pyridalyl S-1812-PYP metabolite	179101-81-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.9	48 hr	EC50	59600	PPB	49800-71600
Pyridate	55512-33-9	Crustacea	Mysid	Americamysis bahia	3 D	S	90	96 hr	LC50	4	PPM	3.4-5.1
Pyridate	55512-33-9	Mollusca	Quahog clam	Mercenaria mercenaria	N.R.	S	90	48 hr	EC50	0.145	PPM	0.038-0.597
Pyridate	55512-33-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	90.3	48 hr	EC50	1.08	PPM	1.02-1.15
Pyrifluquinazon	337458-27-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	F	96.4	96 hr	LC50	5800	PPB	4600-8200
Pyrifluquinazon	337458-27-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.29 g	F	96.4	96 hr	LC50	3900	PPB	1900-8400
Pyrifluquinazon IV-02 degradate	337458-27-2	Crustacea	Water flea	Daphnia magna	< 24hr	SR	99.3	48 hr	EC50	1.1	PPB	0.74-1.9
Pyrimethanil	53112-28-0	Fishes	Common carp	Cyprinus carpio	1.58 g	SR	96	96 hr	LC50	36.58	PPM	25.59-52.28
Pyrimethanil	53112-28-0	Crustacea	Mysid	Americamysis bahia	Juv	F	99.4	96 hr	LC50	3.4	PPM	1.5-5.8
Pyrimethanil	53112-28-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.1 g	F	99.4	96 hr	LC50	2.8	PPM	2.4-3.3
Pyrimethanil	53112-28-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.25 g	S	99.4	96 hr	LC50	26.2	PPM	10.0-43.8
Pyrimethanil	53112-28-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.4	96 hr	EC50	3.9	PPM	3.1-4.8
Pyrimethanil	53112-28-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	SR	99.5	96 hr	LC50	10.14	PPM	8.0-14.58
Pyrimethanil (radiolabeled)	53112-28-0	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99.3	48 hr	EC50	3.04	PPM	2.62-3.52
Pyriproxyfen	95737-68-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.3	48 hr	EC50	400	PPB	351-461
Pyriproxyfen	95737-68-1	Crustacea	Mysid	Americamysis bahia	10 D	F	95.3	96 hr	LC50	67	PPB	47-84
Pyriproxyfen	95737-68-1	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.1	96 hr	LC50	65	PPB	61-80
Pyriproxyfen	95737-68-1	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.1	96 hr	EC50	93	PPB	85-101
Quinclorac	84087-01-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.2	48 hr	EC50	29.8	PPM	23.8-42.4
Quinclorac	84087-01-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.25 g	S	96.2	96 hr	LC50	31.6	PPM	26.7-39.6
Quinclorac	84087-01-4	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.5	96 hr	LC50	69.4	PPM	50.4-118
Quinoxyfen	124495-18-7	Crustacea	Mysid	Americamysis bahia	Juven	F	97.4	96 hr	LC50	74.3	PPB	59.9-106.5

Quinoxyfen	124495-18-7	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.4	96 hr	EC50	72	PPB	60-87
Quinoxyfen	124495-18-7	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	99 WP	21 D	LC50	73	PPB	56-97
Quinoxyfen	124495-18-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.37 g	F	99.0 WP	96 hr	LC50	270	PPB	250-310
Quizalofop-ethyl	76578-14-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	99	96 hr	LC50	0.46	PPM	0.39-0.53
Quizalofop-ethyl	76578-14-8	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	99	96 hr	LC50	0.87	PPM	0.76-1.09
Quizalofop-ethyl	76578-14-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99	96 hr	EC50	0.187	PPM	0.17-0.23
Quizalofop-ethyl	76578-14-8	Crustacea	Water flea	Daphnia magna	1st-I	S	99.1	48 hr	EC50	3.7	PPM	2.9-6.9
Quizalofop-ethyl	76578-14-8	Crustacea	Water flea	Daphnia magna	1st-I	S	99.1	48 hr	EC50	6.4	PPM	5.1-8.9
Quizalofop-ethyl	76578-14-8	Crustacea	Mysid	Americamysis bahia	<29 hr	S	99.1	96 hr	LC50	0.26	PPM	0.21-0.32
Quizalofop-ethyl	76578-14-8	Crustacea	Mysid	Americamysis bahia	<48 hr	S	99.1	96 hr	LC50	0.15	PPM	0.11-0.19
Quizalofop-ethyl	76578-14-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	99.1	96 H	LC50	1.4	PPM	1.0-2.0
Quizalofop-ethyl	76578-14-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99.1	96 hr	LC50	9.66	PPM	7.07-13.9
Quizalofop-ethyl	76578-14-8	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	96 hr	EC50	2.12	PPM	N.R.
Quizalofop-ethyl D + Isomer	76578-14-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.32 g	F	99.2	96 hr	LC50	0.72	PPM	0.60-0.89
Quizalofop-ethyl NC 302	76578-14-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	91.1	96 hr	LC50	2.91	PPM	2.06-4.12
Quizalofop-P	100646-51-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.9	48 hr	EC50	51.9	PPM	44.0-62.4
Resmethrin	10453-86-8	Fishes	Coho salmon	Oncorhynchus kisutch	0.5 g	S	84	96 hr	LC50	1.77	PPB	0.55-5.77
Resmethrin	10453-86-8	Fishes	Coho salmon	Oncorhynchus kisutch	Finglg	F	84	24 hr	LC50	0.76	PPB	0.64-0.92
Resmethrin	10453-86-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	84	96 hr	LC50	1.8	PPB	0.95-3.49
Resmethrin	10453-86-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.5 g	F	84	96 hr	LC50	0.45	PPB	0.33-0.61
Resmethrin	10453-86-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	84	96 hr	LC50	0.28	PPB	0.24-0.32
Resmethrin	10453-86-8	Fishes	Brown trout	Salmo trutta	Finglg	F	84	96 hr	LC50	0.75	PPB	0.61-0.92
Resmethrin	10453-86-8	Fishes	Lake trout	Salvelinus namaycush	0.7 g	S	84	96 hr	LC50	1.68	PPB	1.14-2.48
Resmethrin	10453-86-8	Fishes	Lake trout	Salvelinus namaycush	Finglg	F	84	96 hr	LC50	0.74	PPB	0.58-0.94
Resmethrin	10453-86-8	Fishes	Northern pike	Esox lucius	Finglg	F	84	96 hr	LC50	1.05	PPB	0.87-1.26
Resmethrin	10453-	Fishes	Fathead minnow	Pimephales promelas	0.4 g	S	84	96 hr	LC50	6.6	PPB	5.22-8.35

	86-8											
Resmethrin	10453-86-8	Fishes	Fathead minnow	Pimephales promelas	0.70g	S	84	96 hr	LC50	2.96	PPB	0.89-9.89
Resmethrin	10453-86-8	Fishes	Fathead minnow	Pimephales promelas	0.8 g	F	84	96 hr	LC50	2.7	PPB	2.09-3.48
Resmethrin	10453-86-8	Fishes	White sucker	Catostomus commersoni	0.7 g	F	84	96 hr	LC50	3.25	PPB	2.61-4.05
Resmethrin	10453-86-8	Fishes	White sucker	Catostomus commersoni	Finglg	F	84	96 hr	LC50	2.33	PPB	2.04-2.67
Resmethrin	10453-86-8	Fishes	Channel catfish	Ictalurus punctatus	0.7 g	S	84	96 hr	LC50	16.6	PPB	9.6-28.6
Resmethrin	10453-86-8	Fishes	Channel catfish	Ictalurus punctatus	Finglg	F	84	96 hr	LC50	3.2	PPB	2.54-4.03
Resmethrin	10453-86-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	84	96 hr	LC50	1.7	PPB	0.31-9.3
Resmethrin	10453-86-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	84	96 hr	LC50	0.75	PPB	0.63-0.9
Resmethrin	10453-86-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Finglg	F	84	96 hr	LC50	2.62	PPB	2.14-3.19
Resmethrin	10453-86-8	Fishes	Largemouth bass	Micropterus salmoides	Finglg	F	84	96 hr	LC50	0.66	PPB	0.55-0.78
Resmethrin	10453-86-8	Fishes	Yellow perch	Perca flavescens	Finglg	F	84	96 hr	LC50	0.51	PPB	0.444-0.6
Resmethrin	10453-86-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	86.3	48 hr	EC50	0.22	PPB	0.18-.26
Resmethrin	10453-86-8	Fishes	Common carp	Cyprinus carpio	4.8 cm	S	88	96 hr	LC50	3.95	PPB	3.34-4.68
Resmethrin	10453-86-8	Fishes	Yellow perch	Perca flavescens	6.6 cm	S	88	96 hr	LC50	2.36	PPB	1.96-2.84
Resmethrin	10453-86-8	Fishes	Green sunfish	Lepomis cyanellus	4.3 cm	S	88	96 hr	LC50	4.55	PPB	3.25-6.36
Resmethrin	10453-86-8	Fishes	Rainbow trout	Oncorhynchus mykiss	4.8 cm	S	88	96 hr	LC50	3.14	PPB	2.76-3.58
Resmethrin	10453-86-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	90	48 hr	EC50	3.1	PPB	2.4-3.9
Resmethrin	10453-86-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	S	90	96 hr	LC50	1.3	PPB	1.0-1.9
Resmethrin	10453-86-8	Crustacea	Water flea	Daphnia magna	<24 hr	F	93	96 hr	EC50	0.4	PPB	0.33-0.47
Resmethrin	10453-86-8	Fishes	Rainbow trout	Oncorhynchus mykiss	2.63 g	F	93	96 hr	LC50	0.82	PPB	0.73-0.93
Resmethrin	10453-86-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	9 mg	S	96	96 hr	LC50	11	PPB	6.25-25.00
Rimsulfuron	122931-48-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.8	48 hr	EC50	1000	PPM	N.R.
Rimsulfuron IN-70942-2 metabolite	122931-48-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	98.8	48 hr	EC50	179	PPM	158-198
Rotenone	83-79-4	Crustacea	Water flea	Daphnia magna	1st-I	S	96.5	48 hr	EC50	3.7	PPB	2.5-5.5
Rotenone	83-79-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.45g	S	96.5	96 hr	LC50	2.82	PPB	2.27-3.49

Rotenone	83-79-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.59g	S	96.5	96 hr	LC50	6.09	PPB	5.39-6.88
Rotenone	83-79-4	Fishes	Bluegill sunfish	Lepomis macrochirus	5.0 cm	F	98	96 hr	LC50	4.9	PPB	4.2-5.8
Rotenone	83-79-4	Fishes	Rainbow trout	Oncorhynchus mykiss	4.2 cm	F	98	96 hr	LC50	1.9	PPB	1.7-2.2
Rotenone	83-79-4	Fishes	Rainbow trout	Oncorhynchus mykiss	37 mm	F	98.6	96 hr	LC50	2.8	PPB	2.0-3.4
Rotenone	83-79-4	Fishes	Bluegill sunfish	Lepomis macrochirus	41 mm	F	98.6	96 hr	LC50	5.5	PPB	3.5-10
Ryanodine	15662-33-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	100	96 hr	LC50	3200	PPB	2940-3490
Ryanodine	15662-33-6	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	100	96 hr	LC50	18500	PPB	16100-21200
Saflufenacil	372137-35-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	93.8	96 hr	LC50	8.5	PPM	7.4-11
S-Bioallethrin	28434-00-6	Fishes	Fathead minnow	Pimephales promelas	0.7 g	S	98	96 hr	LC50	80	PPB	65.9-97.1
S-Bioallethrin	28434-00-6	Fishes	Fathead minnow	Pimephales promelas	0.7 g	F	98	96 hr	LC50	53	PPB	35.8-78.3
S-Bioallethrin	28434-00-6	Fishes	Channel catfish	Ictalurus punctatus	0.9 g	F	98	96 hr	LC50	14.6	PPB	10.1-21.0
S-Bioallethrin	28434-00-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	98	96 hr	LC50	23.6	PPB	18.8-29.6
S-Bioallethrin	28434-00-6	Fishes	Yellow perch	Perca flavescens	1.5 g	S	98	96 hr	LC50	7.8	PPB	6.5-9.4
Sedaxane	874967-67-6	Crustacea	Mysid	Americamysis bahia	<24 hr	S	95.3	96 hr	LC50	1.5	PPM	1.2-2.3
Sedaxane	874967-67-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.22 g	S	95.3	96 hr	LC50	4.2	PPM	3.0-5.8
Sedaxane	874967-67-6	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.3	96 hr	EC50	2.9	PPM	2.0-3.3
Sedaxane SYN524464 (trans + cis isomers)	874967-67-6	Fishes	Common carp	Cyprinus carpio	0.20 g	S	95.3	96 hr	LC50	0.62	PPM	0.37-1.6
Sedaxane SYN524464 (trans + cis isomers)	874967-67-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	95.3	96 hr	LC50	1	PPM	0.43-1.8
Sedaxane SYN524464 (trans + cis isomers)	874967-67-6	Crustacea	Waterflea	Daphnia magna	<24 hr	S	98.2	48 hr	EC50	5.96	PPM	4.93-10.4
Sedaxane SYN524464 (trans + cis isomers)	874967-67-6	Fishes	Fathead minnow	Pimephales promelas	0.25 g	S	98.2	96 hr	LC50	0.91	PPM	0.47-2.4
Sethoxydim	74051-80-2	Crustacea	Water flea	Daphnia magna	1st-I	S	97.3	48 hr	EC50	78.1	PPM	64-93.5
Sethoxydim	74051-80-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	97.3	96 hr	LC50	265	PPM	220-318
Sethoxydim	74051-80-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	97.3	96 hr	LC50	170	PPM	142-204

Siduron	1982-49-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.2 g	S	97.75	96 hr	LC50	8.1	PPM	6.38-9.92
Siduron	1982-49-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.34 g	S	97.75	96 hr	LC50	12.3	PPM	9.9-16.2
Siduron	1982-49-6	Crustacea	Mysid	Americamysis bahia	<24 Hr	S	99.4	96 Hr	LC50	6.5	PPM	5.3-8.4
Siduron	1982-49-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99.9	96 hr	LC50	13	PPM	12-14
Siduron	1982-49-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99.9	96 hr	LC50	15	PPM	13-16
Silver Zeolite/Zinc mixture	130328-18-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	99	48 hr	EC50	0.035	PPM	0.030-0.041
Simazine	122-34-9	Crustacea	Water flea	Daphnia magna	1st-I	S	98.1	48 hr	EC50	1.1	PPM	0.56-2.2
Simazine	122-34-9	Crustacea	Seed shrimp	Cypridopsis vidua	Adult	S	98.1	48 hr	LC50	3.7	PPM	2.6-5.3
Simazine	122-34-9	Crustacea	Pink shrimp	Penaeus duorarum	55 mm	S	98.9	96 hr	LC50	113	PPM	56-226
Simazine	122-34-9	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	99.1	96 hr	LC50	16	PPM	9.9-26
Simazine	122-34-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	80 W	96 hr	LC50	60	PPM	49.8-72.3
Simazine	122-34-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	80 W	96 hr	LC50	44.6	PPM	37.6-52.9
Simazine	122-34-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	80WP	96 hr	LC50	40.5	PPM	34-48.4
Simazine	122-34-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	80WP	96 hr	LC50	100	PPM	90-110
Simazine	122-34-9	Fishes	Fathead minnow	Pimephales promelas	0.7 g	S	80WP	96 hr	LC50	510	PPM	373-698
Simazine	122-34-9	Fishes	Fathead minnow	Pimephales promelas	1.5 g	S	Tech	96 hr	LC50	6.4	PPM	4.8-8.7
Simazine	122-34-9	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	Tech	96 hr	LC50	70.5	PPM	60.6-82.0
s-Methoprene	65733-16-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	90	48 hr	EC50	0.36	PPM	0.21-0.55
s-Methoprene	65733-16-6	Crustacea	Mysid	Americamysis bahia	<24 hr	F	91.8	96 hr	LC50	106	PPB	88-120
S-Metolachlor	87392-12-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.6	48 hr	EC50	26	PPM	23-30
S-Metolachlor	87392-12-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.65 g	S	97.6	96 hr	LC50	11.9	PPM	8.3-15
S-Metolachlor	87392-12-9	Fishes	Sheepshead Minnow	Cyprinodon variegatus	0.39 g	SR	98.9	96 hr	LC50	17	PPM	12.1-23.3
Sodium 2-mercaptobenzothiolate	2492-26-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.57 g	S	98.22	96 hr	LC50	0.73	PPM	0.31-9.03
Sodium 2-mercaptobenzothiolate	2492-26-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	2.9	PPM	1.9-5.1
Sodium arsenate (cancelled)	13464-38-5	Crustacea	Water flea	Daphnia magna	N.R.	S	Tech	48 hr	EC50	26.9	PPM	22.3-32.6
Sodium arsenate (cancelled)	13464-38-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.22 g	S	Tech	96 hr	LC50	92.9	PPM	64.9-132.7
Sodium chlorate	7775-09-9	Crustacea	Water flea	Daphnia magna	< 24hr	S	99.95	48 hr	EC50	919.3	PPM	612.28-1380.30

Sodium chlorite	7758-19-2	Crustacea	Water flea	Daphnia magna	<24 hr	F	79	48 hr	EC50	0.29	PPM	0.25-0.33
Sodium chlorite	7758-19-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	79	96 hr	LC50	0.576	PPM	0.44-0.75
Sodium chlorite	7758-19-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.19 g	F	79	96 hr	LC50	75	PPM	62-90
Sodium chlorite	7758-19-2	Fishes	Bluegill sunfish	Lepomis macrochirus	NR	F	79	10 D	LC50	208	PPM	165-262
Sodium chlorite	7758-19-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.8 g	F	79	312hr	LC50	50.6	PPM	38-65.8
Sodium chlorite	7758-19-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	79	96 hr	EC50	21.4	PPM	14.3-27.1
Sodium chlorite	7758-19-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	0.025	PPM	0.021-0.031
Sodium chlorite	7758-19-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	0.146	PPM	0.120-0.180
Sodium chlorite	7758-19-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	0.08	PPM	0.06 - 0.10
Sodium chlorite	7758-19-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	0.39	PPM	0.32 - 0.54
Sodium chlorite	7758-19-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.37 g	S	80	96 hr	LC50	360	PPM	216-600
Sodium chlorite	7758-19-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.83 g	S	80	96 hr	LC50	244	PPM	196-304
Sodium chlorite	7758-19-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.81 g	S	80	96 hr	LC50	340	PPM	220-600
Sodium chlorite	7758-19-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.81 g	S	80	96 hr	LC50	420	PPM	220 - 600
Sodium chlorite	7758-19-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	80.2	96 hr	LC50	265	PPM	231-309
Sodium chlorite	7758-19-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.41 g	S	80.2	96 hr	LC50	290	PPM	250-340
Sodium chlorite	7758-19-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	81.5	96 hr	LC50	310	PPM	270-350
Sodium Cyanide	143-33-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	96.5	96 hr	LC50	0.148	PPM	0.117-0.188
Sodium Dalapon	127-20-8	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	86.5	48 hr	EC50	16	PPM	11.4-22.4
Sodium dichlorocyanuric acid dihydrate	51580-86-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.3	96 hr	LC50	0.25	PPM	0.13-0.36
Sodium Dichloroisocyanurate acid dihydrate	51580-86-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.3	48 hr	EC50	0.28	PPM	0.22-0.36
Sodium dichloroisocyanurate dihydrate	51580-86-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.42 g	S	98.03	96 hr	LC50	0.46	PPM	0.25-1.0
Sodium dichloroisocyanurate dihydrate	51580-86-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.3	48 hr	EC50	0.28	PPM	0.22-0.36

Sodium dichloroisocyanuratedihydrate	51580-86-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.03	48 hr	EC50	0.28	PPM	0.22-0.36
Sodium dichloroisocyanuratedihydrate	51580-86-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.03	96 hr	LC50	0.25	PPM	0.13-0.36
Sodium dichloro-s-triazinetrione	2893-78-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	0.11	PPM	0.093-0.16
Sodium dichloro-s-triazinetrione	2893-78-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.71 g	S	100	96 hr	LC50	0.358	PPM	0.302-0.424
Sodium dichloro-s-triazinetrione CDB-63	2893-78-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.14 g	S	100	96 hr	LC50	0.81	PPM	0.71-0.91
Sodium dichloro-s-triazinetrione dyhydrate	2893-78-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.32 g	S	100	96 hr	LC50	1.72	PPM	1.42-2.09
Sodium fluoride	7681-49-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.53g	SR	95	96 hr	LC50	830	PPM	560-Inf
Sodium fluoride	7681-49-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5-5g	S	95	96 hr	LC50	317	PPM	200-580
Sodium fluroacetate	62-74-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	350	PPM	301-411
Sodium fluroacetate	62-74-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	99	96 hr	LC50	54	PPM	39-74
Sodium lauryl sulfate	151-21-3	Crustacea	Mysid	Metamysidopsis swifti	Juv	S	100	96 hr	LC50	3.2	PPM	1.8-5.6
Sodium lauryl sulfate	151-21-3	Crustacea	Mysid	Americamysis bahia	Juv	S	100	96 hr	LC50	4.2	PPM	3.6-5.0
Sodium lauryl sulfate	151-21-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	100	96 hr	LC50	1.7	PPM	1.4-2.1
Sodium lauryl sulfate	151-21-3	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	100	48 hr	EC50	1.7	PPM	1.6-2.0
Sodium tetrathiocarbonate	7345-69-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.1 g	F	100	96 hr	LC50	21	PPM	17-30.5
Spinetoram	187166-40-1	Crustacea	Marine amphipod	Leptocheirus plumulosus	Juv.	S	85.8	10 D	LC50	1.6 (porew)	PPM	1.5-1.7
Spinetoram N demethyl L component	187166-15-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	95	48 hr	EC50	2380	PPB	1390-4900
Spinetoram N demethyl L component	187166-15-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	86.1	PPB	38.6-198
Spinetoram - XDE-175 mixture (Factor L &J)	187166-40-1	Crustacea	Water flea	Daphnia magna	<24 hr	SR	85.8	48 hr	EC50	3650	PPB	2350-6620
Spinetoram - XDE-175 mixture(110008+110009)	187166-40-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	85.8	48 hr	EC50	175	PPB	99.3-366
Spinetoram (mixture Factor L + Factor J)	187166-40-1	Crustacea	Mysid	Americamysis bahia	< 24hr	F	83	96 hr	LC50	355	PPB	300-419

Spinetoram (mixture Factor L + Factor J)	187166-40-1	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	83	96 hr	EC50	393	PPB	373-412
Spinetoram (mixture Factor L + Factor J)	187166-40-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.88g	F	85.8	96 hr	LC50	2690	PPB	2450-2960
Spinetoram N Dimethyl J component	187166-40-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	14.8	PPB	8.62-24.4
Spinetoram N Dimethyl XDE J component	187166-40-1	Crustacea	Water flea	Daphnia magna	<24 hr	SR	93	48 hr	EC50	11000	PPB	N.R.
Spinetoram N-demethyl (XDE-175-L Factor)	187166-40-1	Crustacea	Water flea	Daphnia magna	<24 hr	SR	95	48 hr	EC50	2380	PPB	1390-4900
Spinetoram N-demethyl (XDE-175-L Factor)	187166-40-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.38 g	SR	98	96 hr	LC50	1.6	PPM	1.4-1.9
Spinetoram N-demethyl(XDE-175-J factor)	187166-40-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4g	SR	99	96 hr	LC50	2.946	PPM	2.31-5.05
Spinosad	131929-60-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.48 g	SR	87.9	96 hr	LC50	7.87	PPM	4.87-10.6
Spinosad	131929-60-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	87.9	96 hr	EC50	0.3	PPM	0.22-0.41
Spinosad	131929-60-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	88	48 hr	EC50	14	PPM	1.84-33.5
Spinosad	131929-60-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	S	88	96 hr	LC50	5.94	PPM	5.6-6.3
Spinosad	131929-60-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	88	96 hr	LC50	30	PPM	17-41
Spinosad (factor 2)	131929-60-7	Crustacea	Water flea	Daphnia magna	<24 hr	SR	94	48 hr	EC50	6.39	PPM	4.59-9.06
Spinosad (Spinosyn factor A-76% and D-11.9%)	131929-60-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.789g	F	88	21 D	LC50	4.9	PPM	4.1-5.8
Spinosad spinosyn factor B	131929-60-7	Crustacea	Water flea	Daphnia magna	< 24 h	S	94	48 hr	EC50	6.5	PPM	5.2-8.5
Spinosyn Factor D metabolite	131929-63-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	96	48 hr	EC50	3.8	PPM	2.5-7.5
Spinosyn Factor D metabolite	131929-63-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	66.8	PPM	60-79.9
Spiromesifen	283594-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.19 g	F	96.4	96 Hr	LC50	16.8	PPB	14.7 - 18.8
Spirotetramat	203313-25-1	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	97.1	96 hr	EC50	0.85	PPM	0.59-1.3
Spirotetramat	203313-25-1	Crustacea	Mysid	Americamysis bahia	5 D	F	97.2	96 hr	LC50	5.5	PPM	1.2-90
Spirotetramat	203313-25-1	Fishes	Bluegill sunfish	Lepomis macrochirus	1.7 g	SR	97.2	96 hr	LC50	2.2	PPM	N.R.
Spirotetramat	203313-25-1	Fishes	Rainbow trout	Oncorhynchus mykiss	2.3 g	SR	97.4	96 hr	LC50	2.54	PPM	2.11-3.05

Spirotetramat	203313-25-1	Fishes	Common carp	Cyprinus carpio	0.9 g	SR	97.4	96 hr	LC50	2.59	PPM	N.R.
Spirotetramat	203313-25-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.13 g	F	98	96 hr	LC50	1.96	PPM	1.64-2.37
Spiroxamine	118134-30-8	Crustacea	Water flea	Daphnia magna	< 24 h	S	96.3	48 hr	EC50	6.8	PPM	5.7-8.1
Spiroxamine	118134-30-8	Crustacea	Water flea	Daphnia magna	< 24 h	F	96.5	48 hr	EC50	2.55	PPM	2.27-2.86
Streptomycin	57-92-1	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	650	PPM	N.R.
Streptomycin sulfate	3810-74-0	Crustacea	Waterflea	Daphnia magna	N.R.	S	75	48 hr	EC50	363	PPM	N.R.
Strobane (Cancelled in U.S.)	8001-50-1	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	12	PPB	9-14
Strobane (Cancelled in U.S.)	8001-50-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	100	96 hr	LC50	8.7	PPB	7.4-10.2
Strychnine	57-24-9	Crustacea	Water flea	Daphnia magna	<24 hr	N.R.	Tech	48 hr	EC50	10	PPM	N.R.
Strychnine	57-24-9	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	N.R.	Tech	96 hr	LC50	0.76	PPM	N.R.
Strychnine	57-24-9	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	N.R.	Tech	96 hr	LC50	2.3	PPM	N.R.
Sulfentrazone	122836-35-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94.2	96 hr	LC50	1	PPM	0.8-1.2
Sulfentrazone	122836-35-5	Fishes	Inland silverside	Menidia beryllina	0.3 g	F	94.2	96 hr	LC50	114	PPM	67.8->114
Sulfentrazone	122836-35-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	94.3	48 hr	EC50	60.4	PPM	48-79
Sulfentrazone	122836-35-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.4 g	F	94.3	96 hr	LC50	93.8	PPM	82-134
Sulfluramid	4151-50-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	370	PPB	90-2700
Sulfluramid	4151-50-2	Fishes	Fathead minnow	Pimephales promelas	0.09 g	SR	100	96 hr	LC50	189	PPB	159-224
Sulfotepp	3689-24-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	93.3	48 hr	EC50	2.5	PPB	1.9-.3.5
Sulfotepp	3689-24-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	99	96 hr	LC50	1000	PPB	830-1300
Sulfotepp	3689-24-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	99	96 hr	LC50	360	PPB	270-460
Sulfur	7704-34-9	Crustacea	Mysid	Americamysis bahia	Juv	S	90WP	96 hr	LC50	730	PPM	640-840
Sulfur Ortho Flotox Garden Sulfur	7704-34-9	Crustacea	Water flea	Daphnia magna	1st-I	S	90	96 hr	EC50	3850	PPM	2980-4970
Sulfur Ortho Flotox Garden Sulfur	7704-34-9	Crustacea	Mysid	Americamysis bahia	24 hr	S	90	96 hr	LC50	736	PPM	646-839
Sulprofos	35400-43-2	Crustacea	Water flea	Daphnia magna	1st-I	S	87	48 hr	EC50	0.75	PPB	0.52-1.09
Sulprofos	35400-43-2	Crustacea	Water flea	Daphnia magna	1st-I	S	87	48 hr	EC50	0.83	PPB	0.69-0.99
Sulprofos	35400-43-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	87	96 hr	LC50	11	PPM	10-13

Sulprofos	35400-43-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	87	96 hr	LC50	23	PPM	20-26
Sulprofos	35400-43-2	Fishes	Bluegill sunfish	Lepomis macrochirus	2.5 g	S	88.1	96 hr	LC50	14	PPM	12-17
Sulprofos sulfoxide degradate	35400-43-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	93	48 hr	EC50	5.1	PPB	3.8-6.9
Surfonic AGM-550 (Inert)	176022-82-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	100	48 hr	EC50	0.73	PPM	0.66-0.84
Surfonic AGM-550 (Inert)	176022-82-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.73 g	F	100	96 hr	LC50	0.16	PPM	0.12-0.19
T99-19 Sanitizer	41591-87-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	80	48 hr	EC50	0.29	PPM	0.22-0.46
Tau-fluvalinate	69409-94-5	Fishes	Bluegill sunfish	Lepomis macrochirus	0.31 g	F	92.5	96 Hr	LC50	1.19	PPB	0.96-1.57
Tau-fluvalinate	69409-94-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	92.5	96 Hr	LC50	0.91	PPB	0.21-1.5
Tau-fluvalinate	69409-94-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	F	92.5	96 Hr	LC50	1.7	PPB	1.4-2.1
Tau-fluvalinate	69409-94-5	Crustacea	Water flea	Daphnia magna	<24 hr	F	92.52	48 Hr	EC50	0.94	PPB	0.75-1.2
Tau-fluvalinate	69409-94-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92.83	96 Hr	LC50	0.0061	PPB	0.0051-0.0074
TCMTB	21564-17-0	Crustacea	Water flea	Daphnia magna	<24 hr	F	80	48 hr	EC50	23.1	PPB	20.2-26.7
TCMTB	21564-17-0	Crustacea	Mysid	Americamysis bahia	24 hr	S	80	96 hr	LC50	20.3	PPB	17-25
TCMTB	21564-17-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.47 g	S	80	96 hr	LC50	60	PPB	36-100
TCMTB	21564-17-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1.6 g	F	80	96 hr	LC50	8.73	PPB	7.71-10.06
TCMTB	21564-17-0	Mollusca	Quahog clam	Mercenaria mercenaria	EmbLrv	S	80	48 hr	EC50	13.9	PPB	9.8-16.1
TCMTB	21564-17-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.76 g	F	80.4	96 hr	LC50	20.12	PPB	17.77-22.91
TCMTB	21564-17-0	Crustacea	Water flea	Daphnia magna	1st-I	S	90	48 hr	EC50	23	PPB	13-36
TCMTB	21564-17-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	90	96 hr	LC50	32	PPB	16-45
TCMTB Busan 72	21564-17-0	Fishes	Bluegill sunfish	Lepomis macrochirus	3.3 g	S	75	96 hr	LC50	47	PPB	40-55
TCMTB Busan 72	21564-17-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	75	96 hr	LC50	29	PPB	21-40
Tebuconazole	107534-96-3	Crustacea	Water flea	Daphnia magna	<24 hr	F	96.3	48 hr	EC50	4	PPM	3.4-4.8
Tebuconazole	107534-96-3	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.3	96 hr	LC50	0.49	PPM	0.32-0.66
Tebuconazole	107534-96-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.11 g	F	96.3	96 hr	LC50	5.9	PPM	5.2-6.9
Tebuconazole	107534-96-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.3 g	F	96.3	96 hr	LC50	5.7	PPM	4.2-6.4
Tebuconazole	107534-	Fishes	Rainbow trout	Oncorhynchus	0.3 g	F	96.3	96 hr	LC50	4.4	PPM	3.8-5.2

	96-3			mykiss								
Tebuconazole	107534-96-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.3	96 hr	EC50	2.7	PPM	2.5-3.0
Tebuconazole	107534-96-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.5	48 hr	EC50	2.88	PPM	2.1-3.94
Tebufenozide	112410-23-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.1	48 hr	EC50	3.8	PPM	2.9-5.1
Tebufenozide	112410-23-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	96.1	96 hr	LC50	3	PPM	2.4-4.2
Tebufenozide	112410-23-8	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	96.1	96 hr	LC50	5.38	PPM	4.58-6.59
Tebufenozide	112410-23-8	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97.5	96 hr	LC50	1.4	PPM	0.82-2.2
Tebufenozide	112410-23-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.5	96 hr	EC50	0.5	PPM	0.44-0.59
Tebufenpyrad	119168-77-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.8	48 hr	EC50	40.2	PPB	33.8-48.8
Tebufenpyrad	119168-77-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.36 g	S	98.8	96 hr	LC50	93	PPB	72-120
Tebufenpyrad	119168-77-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	S	98.8	96 hr	LC50	17.8	PPB	14.4-21.7
Tebuthiuron	34014-18-1	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	98	96 hr	EC50	62	PPM	39-90
Tebuthiuron	34014-18-1	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98	96 hr	LC50	143	PPM	118-224
Tebuthiuron	34014-18-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	98	96 hr	LC50	106	PPM	87-120
Tebuthiuron	34014-18-1	Crustacea	Water flea	Daphnia magna	<10 hr	S	99.2	48 hr	EC50	297	PPM	279-315
Tefluthrin	79538-32-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	F	90.4	96 hr	LC50	0.13	PPB	0.091-.18
Tefluthrin	79538-32-2	Fishes	Rainbow trout	Oncorhynchus mykiss	2.33g	F	90.4	96 hr	LC50	0.06	PPB	0.038-0.094
Tefluthrin	79538-32-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.53 g	F	94.4	96 hr	LC50	0.13	PPB	0.11-0.16
Tefluthrin	79538-32-2	Crustacea	Water flea	Daphnia magna	1st-I	S	98.3	48 hr	EC50	0.07	PPB	0.05-0.1
Tefluthrin	79538-32-2	Crustacea	Mysid	Americamysis bahia	Juv	F	98.5	96 hr	LC50	0.053	PPB	0.046-.063
Tembotrione	335104-84-2	Crustacea	Mysid	Americamysis bahia	<24 hr	F	94	96 hr	LC50	0.1	PPM	0.079-0.13
Tembotrione	335104-84-2	Mollusca	Eastern oyster	Crassostrea virginica	39 mm	F	94	96 hr	EC50	39	PPM	17-93
Tembotrione	335104-84-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.4	48 hr	EC50	48.9	PPM	40.0-60.8
Temephos	3383-96-8	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	86.2	48 hr	LC50	5	PPB	N.R.
Temephos	3383-96-8	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	86.2	48 hr	LC50	10	PPB	N.R.
Temephos	3383-96-8	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	86.2	96 hr	EC50	220	PPB	N.R.

Temephos	3383-96-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	88.2	96 hr	LC50	43	PPM	N.R.
Temephos	3383-96-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.57 g	S	88.2	96 hr	LC50	13.8	PPM	N.R.
Temephos	3383-96-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.97 g	S	88.2	96 hr	LC50	18.8	PPM	6.2-30.8
Temephos	3383-96-8	Fishes	Bluegill Sunfish	Lepomis macrochirus	0.8g	S	88.2	96 hr	LC50	43	PPM	N.R.
Temephos	3383-96-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	90	96 hr	LC50	9.58	PPM	7.86-10.91
Temephos	3383-96-8	Crustacea	Fiddler crab	Uca pugnax	1.25 g	S	99	24 hr	LC50	9.12	PPM	N.R.
Temephos	3383-96-8	Crustacea	Scud	Gammarus lacustris	Adult	S	Tech	96 hr	LC50	80	PPB	30-210
Temephos	3383-96-8	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	96 hr	LC50	640	PPB	480-860
Temephos	3383-96-8	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.2 g	S	Tech	96 hr	LC50	1.27	PPM	0.87-1.86
Temephos	3383-96-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	Tech	96 hr	LC50	3.49	PPM	2.33-5.23
Temephos	3383-96-8	Fishes	Atlantic salmon	Salmo salar	0.5 g	S	Tech	96 hr	LC50	21	PPM	17.5-25.0
Temephos	3383-96-8	Fishes	Brook trout	Salvelinus fontinalis	1.2 g	S	Tech	96 hr	LC50	12.8	PPM	9.75-16.8
Temephos	3383-96-8	Fishes	Lake trout	Salvelinus namaycush	2.3 g	S	Tech	96 hr	LC50	3.65	PPM	2.7-4.92
Temephos	3383-96-8	Fishes	Fathead minnow	Pimephales promelas	0.7 g	S	Tech	96 hr	LC50	34.1	PPM	19.7-59.2
Temephos	3383-96-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	Tech	96 hr	LC50	21.8	PPM	15.6-30.5
Temephos Abate 4E formulation	3383-96-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.7	48 hr	EC50	0.011	PPB	0.0091-.013
Tepraloxydim	149979-41-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.62 g	S	95	96 hr	LC50	77.9	PPM	67.2-90.4
Terbacil	5902-51-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	80	96 hr	LC50	79	PPM	69-90
Terbacil	5902-51-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.89 g	S	80	96 hr	LC50	112	PPM	N.R.
Terbacil	5902-51-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	80	96 hr	LC50	54	PPM	42-68
Terbacil	5902-51-2	Crustacea	Shore shrimp	Palaemonetes vulgaris	Juv	S	84.7	96 hr	LC50	56.4	PPM	N.R.
Terbacil	5902-51-2	Crustacea	Water flea	Daphnia magna	1st-I	S	95	48 hr	EC50	65	PPM	56.8-74.3
Terbacil	5902-51-2	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	96.6	96 hr	LC50	46.2	PPM	39.7-53.9
Terbacil	5902-51-2	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	96.6	96 hr	LC50	102.9	PPM	92.7-111.3
Terbacil	5902-51-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.44 g	S	97.4	96 hr	LC50	108	PPM	76-164.5
Terbacil	5902-51-	Crustacea	Water flea	Daphnia magna	NR	S	Tech	48 hr	EC50	68	PPM	61-75

	2											
Terbacil	5902-51-2	Fishes	Common carp	Cyprinus carpio	5 cm	S	WP	48 hr	LC50	96	PPM	NA
Terbufos	13071-79-9	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	86	96 hr	LC50	0.77	PPB	0.71-0.83
Terbufos	13071-79-9	Fishes	Brown trout	Salmo trutta	Juv	S	86	96 hr	LC50	20	PPB	12.6-34.3
Terbufos	13071-79-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	86.3	96 hr	LC50	9.4	PPB	7.7-11.4
Terbufos	13071-79-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.2 g	S	86.3	96 hr	LC50	3.8	PPB	2.8-4.9
Terbufos	13071-79-9	Crustacea	Water flea	Daphnia magna	1st-I	S	88	48 hr	EC50	0.4	PPB	0.3-0.5
Terbufos	13071-79-9	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	88	96 hr	LC50	0.2	PPB	0.1-0.3
Terbufos	13071-79-9	Fishes	Fathead minnow	Pimephales promelas	0.8g	S	88	96 hr	LC50	390	PPB	237-643
Terbufos	13071-79-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.75 g	S	88	96 hr	LC50	1.1	PPB	0.8-1.6
Terbufos	13071-79-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.75 g	S	88	96 hr	LC50	7.6	PPB	6.0-9.7
Terbufos	13071-79-9	Crustacea	Water flea	Daphnia magna	1st-I	S	88.6	48 hr	EC50	0.31	PPB	0.27-0.36
Terbufos	13071-79-9	Crustacea	Crayfish	Procambarus sp.	40 g	S	88.6	96 hr	LC50	8	PPB	6.9-10.2
Terbufos	13071-79-9	Fishes	Channel catfish	Ictalurus punctatus	2.0 g	S	88.6	96 hr	LC50	9.6	PPB	8.5-11.1
Terbufos	13071-79-9	Fishes	Bluegill sunfish	Lepomis macrochirus	2.5 g	F	88.6	96 hr	LC50	0.87	PPB	0.77-1.0
Terbufos	13071-79-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	89.2	96 hr	EC50	200	PPB	180-230
Terbufos	13071-79-9	Crustacea	Mysid	Americamysis bahia	5 D	F	98	96 hr	LC50	0.4	PPB	.34-.48
Terbufos	13071-79-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.23 g	F	98	96 hr	LC50	3.2	PPB	2.7-3.7
Terbufos	13071-79-9	Crustacea	Mysid	Americamysis bahia	5 D	S	98.4	96 hr	LC50	0.22	PPB	0.14-0.36
Terbufos	13071-79-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.56g	S	98.4	96 hr	LC50	1.6	PPB	0.77-3.2
Terbuthylazine	5915-41-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	96 hr	EC50	50.9	PPM	36-85.6
Terbuthylazine	5915-41-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	98	96 hr	LC50	7.5	PPM	5.6-10
Terbuthylazine	5915-41-3	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	S	98	96 hr	LC50	3.4	PPM	2.4-4.7
Terbuthylazine	5915-41-3	Crustacea	Mysid	Americamysis bahia	5 D	S	99.2	96 hr	LC50	0.109	PPM	0.083-0.167
Terbuthylazine	5915-41-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	21.2	PPM	16-26.8
Terbutryn	886-50-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.25 g	S	96.5	96 hr	LC50	1.5	PPM	N.R.

Terbutryn	886-50-0	Crustacea	Water flea	Daphnia magna	<20 hr	S	97.1	48 hr	EC50	2.66	PPM	2.16-3.27
Terbutryn	886-50-0	Crustacea	Mysid	Americamysis bahia	<24 hr	S	97.3	96 hr	LC50	0.74	PPM	0.63-.84
Terbutryn	886-50-0	Mollusca	Quahog clam	Mercenaria mercenaria	Embryo	S	97.3	48 hr	EC50	5.8	PPM	4.0-9.6
Terbutryn	886-50-0	Fishes	Bluegill sunfish	Lepomis macrochirus	1.3 g	S	80 WP	96 hr	LC50	2.7	PPM	1.4-5.3
Terbutryn	886-50-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	80 WP	96 hr	LC50	0.82	PPM	N.R.
Terbutryn (Igran 80W)	886-50-0	Fishes	Bluegill sunfish	Lepomis macrochirus	0.68 g	S	80 WP	96 hr	LC50	4.8	PPM	4.5-5.1
Terbutryn (Igran 80W)	886-50-0	Fishes	Rainbow trout	Oncorhynchus mykiss	0.99 g	S	80 WP	48 hr	LC50	3.5	PPM	3.15-3.88
Tetrachlorvinphos	961-11-5	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	94	48 hr	LC50	280	PPB	N.R.
Tetrachlorvinphos	961-11-5	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	S	94	96 hr	LC50	529	PPB	362-773
Tetrachlorvinphos	961-11-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	1.9	PPB	1.3-2.4
Tetrachlorvinphos	961-11-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	WP 75	96 hr	LC50	430	PPB	332-557
Tetraconazole	112281-77-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.55 g	F	94.6	96 hr	LC50	3.85	PPM	3.31-4.56
Tetraconazole	112281-77-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.99 g	F	94.6	96 hr	LC50	3.91	PPM	3.42-4.58
Tetraconazole	112281-77-3	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	96.2	96 hr	LC50	0.43	PPM	0.38-0.49
Tetraconazole	112281-77-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.2	96 hr	EC50	0.99	PPM	0.84-1.2
Tetraconazole	112281-77-3	Crustacea	Water flea	Daphnia magna	< 24hr	S	96.21	48 hr	EC50	3.07	PPM	2.53-3.71
Tetraconazole	112281-77-3	Crustacea	Water flea	Daphnia magna	< 24 h	S	Tech	48 hr	EC50	2.63	PPM	2.14-3.31
Tetraethyl pyrophosphate (TEPP)	107-49-3	Crustacea	Scud	Gammarus fasciatus	Adult	S	Tech	96 hr	LC50	210	PPB	150-280
Tetrahydro-2(nitromethylene)-2H-1, 3-thiazine	58842-20-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	33.85	PPM	25.8-37.5
Tetrahydro-2(nitromethylene)-2H-1, 3-thiazine	58842-20-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.60 g	S	99	96 hr	LC50	117	PPM	100-150
Tetrahydro-2(nitromethylene)-2H-1, 3-thiazine	58842-20-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.28 g	S	99	96 hr	LC50	142	PPM	120-160
Tetramethrin	7696-12-0	Crustacea	Water flea	Daphnia magna	<24 hr	F	95.3	48 hr	EC50	45	PPB	40-50
Tetramethrin	7696-12-0	Fishes	Bluegill sunfish	Lepomis macrochirus	2.0 g	F	95.3	96 hr	LC50	15.9	PPB	12-23
Tetramethrin	7696-12-0	Fishes	Rainbow trout	Oncorhynchus mykiss	1.71 g	F	95.3	96 hr	LC50	3.7	PPB	2.2-6.4
Tetramethrin	7696-12-0	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	19	PPB	16-23

Tetramethrin	7696-12-0	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	21	PPB	18-25
Thiabendazole	148-79-8	Crustacea	Water flea	Daphnia magna	1st-I	S	98.5	48 hr	EC50	0.31	PPM	0.26-0.36
Thiabendazole	148-79-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98.5	96 hr	LC50	22	PPM	19-27
Thiabendazole	148-79-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.47 g	S	98.5	96 hr	LC50	19	PPM	16-26
Thiabendazole	148-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.5	96 hr	LC50	1.8	PPM	1.39-2.22
Thiabendazole	148-79-8	Crustacea	Mysid	Americamysis bahia	Juv	F	99.6	96 hr	LC50	0.34	PPM	0.25-0.42
Thiabendazole	148-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	F	99.6	96 hr	LC50	0.56	PPM	0.39-0.81
Thiabendazole	148-79-8	Crustacea	Water flea	Daphnia magna	1st-I	F	99.8	48 hr	EC50	0.85	PPM	0.72-0.91
Thiabendazole	148-79-8	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	Tech	96 hr	LC50	14	PPM	11-17
Thiabendazole	148-79-8	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	Tech	96 hr	LC50	3.5	PPM	2.8-4.3
Thiacloprid	111988-49-9	Crustacea	Water flea	Daphnia magna	1st in	S	97.2	48 hr	EC50	22.52	PPM	19.24-26.
Thiacloprid	111988-49-9	Crustacea	Amphipod	Hyalella azteca	14-21D	S	97.2	96 hr	LC50	0.037	PPM	0.03-0.05
Thiacloprid	111988-49-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	97.2	96 hr	LC50	30.2	PPM	22.6-38.5
Thiacloprid	111988-49-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	97.3	96 hr	LC50	25.2	PPM	16.7-48.7
Thiacloprid	111988-49-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.23 g	S	98	96 hr	LC50	19.7	PPM	15.5-30.7
Thiacloprid	111988-49-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.3	96 hr	EC50	4	PPM	2.7-5.4
Thiacloprid (Radiolabelled and Nonradiolabel	111988-49-9	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.3	96 hr	LC50	0.031	PPM	0.027-0.037
Thiacloprid metabolite	111988-49-9	Crustacea	Amphipod	Hyalella azteca	14-21D	S	97.4	96 hr	LC50	31.18	PPM	20.37-77.
Thiamethoxam	153719-23-4	Crustacea	Red crayfish	Procambarus clarkii	0.65 g	SR	98.4	96 Hr	EC50	2.31	PPM	1.63-3.28
Thiamethoxam	153719-23-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	99.2	96 hr	LC50	6.9	PPM	5.8-8.4
Thiazopyr	117718-60-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.42 g	F	96.38	96 hr	LC50	2.9	PPM	2.6-3.2
Thiazopyr	117718-60-2	Crustacea	Mysid	Americamysis bahia	N.R.	F	96.4	96 hr	LC50	2	PPM	1.5-2.3
Thiazopyr	117718-60-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.4	96 hr	EC50	0.82	PPM	0.57-0.98
Thiazopyr	117718-60-2	Crustacea	Water flea	Daphnia magna	<=24hr	S	97.8	48 hr	EC50	6.1	PPM	4.6-8.0
Thiazopyr	117718-60-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.45 g	S	97.8	96 hr	LC50	3.5	PPM	2.8-4.5
Thiazopyr	117718-60-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.58 g	S	97.8	96 hr	LC50	3.4	PPM	2.7-4.4

Thidiazuron	51707-55-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.4	48 hr	EC50	10	PPM	9.0-11.1
Thidiazuron	51707-55-2	Crustacea	Mysid	Americamysis bahia	96 hr	S	99.3	96 hr	LC50	3.2	PPM	2.8-3.7
Thidiazuron	51707-55-2	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.3	96 hr	EC50	4.3	PPM	3.6-5.1
Thidiazuron	51707-55-2	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99.5	48 Hr	EC50	5.7	PPM	4.7-9.5
Thidiazuron AE F132347 metabolite	51707-55-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	97.4	96 Hr	LC50	6.6	PPM	5.7-7.7
Thiencarbazone methyl M15 degradate	317815-83-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.2	48 hr	EC50	4.67	PPM	NA
Thiobencarb	28249-77-6	Mollusca	Apple snail	Pomacea paludosa	Juv	S	84	48 hr	LC50	1850	PPB	1650-2072
Thiobencarb	28249-77-6	Crustacea	Mysid	Americamysis bahia	Juv	F	90	96 hr	LC50	330	PPB	320-410
Thiobencarb	28249-77-6	Crustacea	Mysid	Americamysis bahia	Adult	F	90	96 hr	LC50	740	PPB	260-
Thiobencarb	28249-77-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	90	96 hr	LC50	1370	PPB	1350-1380
Thiobencarb	28249-77-6	Fishes	California grunion	Leuresthes tenuis	Prolrv	F	90	96 hr	LC50	260	PPB	250-280
Thiobencarb	28249-77-6	Fishes	California grunion	Leuresthes tenuis	L 7D	F	90	96 hr	LC50	240	PPB	200-280
Thiobencarb	28249-77-6	Fishes	California grunion	Leuresthes tenuis	L 28D	F	90	96 hr	LC50	330	PPB	270-400
Thiobencarb	28249-77-6	Fishes	Atlantic silverside	Menidia menidia	L 1D	F	90	96 hr	LC50	380	PPB	300-460
Thiobencarb	28249-77-6	Fishes	Atlantic silverside	Menidia menidia	L 7D	F	90	96 hr	LC50	200	PPB	180-240
Thiobencarb	28249-77-6	Fishes	Atlantic silverside	Menidia menidia	L 28D	F	90	96 hr	LC50	680	PPB	600-780
Thiobencarb	28249-77-6	Fishes	Tidewater silverside	Menidia peninsulae	L 1 D	F	90	96 hr	LC50	300	PPB	230-370
Thiobencarb	28249-77-6	Fishes	Tidewater silverside	Menidia peninsulae	L 7D	F	90	96 hr	LC50	460	PPB	400-570
Thiobencarb	28249-77-6	Fishes	Tidewater silverside	Menidia peninsulae	L 28D	F	90	96 hr	LC50	820	PPB	700-1000
Thiobencarb	28249-77-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	94.4	48 hr	EC50	101.2	PPB	74-139
Thiobencarb	28249-77-6	Crustacea	Mysid	Americamysis bahia	6 D	S	94.6	96 hr	LC50	150	PPB	110-220
Thiobencarb	28249-77-6	Crustacea	Water flea	Daphnia magna	<24 hr	F	95	21 D	EC50	9	PPB	5.0-15
Thiobencarb	28249-77-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	95.1	96 hr	LC50	658	PPB	390-1300
Thiobencarb	28249-77-6	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95.1	48 hr	EC50	560	PPB	230-1300
Thiobencarb	28249-77-6	Crustacea	Crayfish	Orconectes nais	N.R.	F	95.5	21 D	LC50	2000	PPB	N.R.

Thiobencarb	28249-77-6	Crustacea	Scud	Gammarus pseudolimnaeus	N.R.	S	95.5	96 hr	LC50	720	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Channel catfish	Ictalurus punctatus	N.R.	F	95.5	96 hr	LC50	2280	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	95.5	96 hr	LC50	2480	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	95.5	96 hr	LC50	1150	PPB	N.R.
Thiobencarb	28249-77-6	Crustacea	Water flea	Daphnia magna	<24hr	S	82EC	48 hr	EC50	210	PPB	176-253
Thiobencarb	28249-77-6	Crustacea	Fiddler crab	Uca pugilator	7-12mm	S	85EC	96 hr	LC50	4400	PPB	3500-5800
Thiobencarb	28249-77-6	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	85EC	96 hr	LC50	380	PPB	190-760
Thiobencarb	28249-77-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	85EC	96 hr	LC50	570	PPB	500-620
Thiobencarb	28249-77-6	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	85EC	96 hr	LC50	310	PPB	170-580
Thiobencarb	28249-77-6	Crustacea	Brown shrimp	Penaeus aztecus	Juv	S	85EC	96 hr	LC50	470	PPB	220-990
Thiobencarb	28249-77-6	Crustacea	Scud	Gammarus pseudolimnaeus	N.R.	S	85EC	96 hr	LC50	1000	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	8-14mm	S	85EC	96 hr	LC50	1400	PPB	1100-1800
Thiobencarb	28249-77-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	85EC	96 hr	LC50	1660	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Channel catfish	Ictalurus punctatus	1.2 g	S	85EC	96 hr	LC50	2290	PPB	N.R.
Thiobencarb	28249-77-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	85EC	96 hr	LC50	1050	PPB	N.R.
Thiobencarb	28249-77-6	Mollusca	Eastern oyster	Crassostrea virginica	<24 hr	S	85EC	48 hr	EC50	320	PPB	200-510
Thiodicarb	59669-26-0	Crustacea	Mysid	Americamysis bahia	24hr	S	94.5	96 hr	LC50	0.0293	PPM	0.014-0.0685
Thiodicarb	59669-26-0	Fishes	Rainbow trout	Oncorhynchus mykiss	2.2g	F	94.5	96 hr	LC50	3.45	PPM	2.9-5.9
Thiodicarb	59669-26-0	Crustacea	Grass shrimp	Palaemonetes sp.	N.R.	S	95	96 hr	LC50	0.0596	PPM	0.045-0.084
Thiodicarb	59669-26-0	Crustacea	Fiddler crab	Uca pugilator	N.R.	S	95	96 hr	LC50	2.54	PPM	2.12-3.05
Thiodicarb	59669-26-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	95.8	96 hr	LC50	0.53	PPM	0.46-0.59
Thiodicarb	59669-26-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	S	95.8	96 hr	LC50	1	PPM	0.12-5.3
Thiodicarb	59669-26-0	Crustacea	Water flea	Daphnia magna	<24 hr	SR	97.3	48 hr	EC50	50	PPB	N.A.
Thiodicarb	59669-26-0	Crustacea	Mysid	Americamysis bahia	Juv	S	99	96 hr	LC50	0.26	PPM	0.23-0.30
Thiodicarb	59669-26-0	Fishes	Brook trout	Salvelinus fontinalis	N.R.	S	99	96 hr	LC50	4.45	PPM	3.49-9.15
Thiodicarb	59669-	Fishes	Coho salmon	Oncorhynchus	N.R.	S	99	96 hr	LC50	3.3	PPM	2.2-6.8

	26-0			kisutch								
Thiodicarb	59669-26-0	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv.	S	99	96 hr	LC50	1.2	PPM	0.56-1.8
Thiodicarb	59669-26-0	Crustacea	Water flea	Daphnia magna	1st-I	F	99.9	48 hr	EC50	0.027	PPM	N.R.
Thiodicarb	59669-26-0	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	99.9	96 hr	LC50	1.47	PPM	1.18-1.76
Thiodicarb Larvin 80DF formulation	59669-26-0	Crustacea	Mysid	Americamysis bahia	N.R.	F	82.1	96 hr	LC50	0.075	PPM	0.063-0.090
Thiodicarb Larvin 80DF formulation	59669-26-0	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	82.1	96 hr	LC50	0.49	PPM	0.39-0.68
Thiodicarb Larvin 80DF formulation	59669-26-0	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	82.1	96 hr	EC50	0.55	PPM	N.R.
Thiophanate-methyl	23564-05-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	90.1	96 hr	EC50	2.2	PPM	1.3-3.2
Thiophanate-methyl	23564-05-8	Crustacea	Water flea	Daphnia magna	1st-I	S	94	96 hr	EC50	26.8	PPM	20.8-32.1
Thiophanate-methyl	23564-05-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5-3g	S	94.3	96 hr	LC50	58	PPM	45-75
Thiophanate-methyl	23564-05-8	Crustacea	Water flea	Daphnia carinata	1st-I	S	95.8	48 hr	EC50	22.3	PPM	18.0-27.2
Thiophanate-methyl	23564-05-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.47 g	F	95.95	96 Hr	LC50	11	PPM	7.6-13
Thiophanate-methyl	23564-05-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.5	96 hr	LC50	1.16	PPM	0.98-1.39
Thiophanate-methyl	23564-05-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.35 g	F	97.6	96 hr	LC50	49.5	PPM	36.4-131.5
Thiophanate-methyl	23564-05-8	Crustacea	Water flea	Daphnia magna	1st-I	F	98	48 hr	EC50	5.3	PPM	4.2-9.5
Thiophanate-methyl	23564-05-8	Fishes	Rainbow trout	Oncorhynchus mykiss	4.5 g	S	Tech	96 hr	LC50	8.1	PPM	6.9-9.5
Thiophanate-methyl 70WP	23564-05-8	Fishes	Rainbow trout	Oncorhynchus mykiss	4.5 g	S	Tech	96 hr	LC50	12.2	PPM	10.6-14.0
Thiophanate-methyl Topsin M 70WP	23564-05-8	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	S	70	96 hr	LC50	35.2	PPM	16.7-56.0
Thiram	137-26-8	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	98.3	96 hr	LC50	3.36	PPB	2.3-4.0
Thiram	137-26-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	1.17 g	F	98.3	96 hr	LC50	540	PPB	480-620
Thiram	137-26-8	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	F	98.3	48 hr	EC50	4.7	PPB	4.2-5.3
Thiram	137-26-8	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	99	96 hr	LC50	42	PPB	34-51
Thiram	137-26-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	99	96 hr	LC50	126	PPB	103-150
Thiram	137-26-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.1 g	S	99	96 hr	LC50	46	PPB	28-77
Thiram 80 formulation	137-26-8	Fishes	Harlequin fish	Rasbora heteromorpha	1-3 cm	SR	80	96 hr	LC50	7	PPB	N.R.
Thiram 80 WG formulation	137-26-8	Fishes	Rainbow trout	Oncorhynchus	1.74 g	SR	81.2	28 D	LC50	49.1	PPB	39.7-64.4

				mykiss								
Thiram Tersan 75 formulation	137-26-8	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	75	48 hr	LC50	400	PPB	330-480
Thiram Tersan 75 formulation	137-26-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.58 g	S	75	96 hr	LC50	280	PPB	175-445
THPS	55566-30-8	Crustacea	Water flea	Daphnia magna	<24 hr	SR	75	48 hr	EC50	15	PPM	12-18
THPS	55566-30-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	SR	75	96 hr	LC50	94	PPM	77-139
THPS	55566-30-8	Fishes	Bluegill sunfish	Lepomis macrochirus	2.6 g	SR	75	96 hr	LC50	97	PPM	67-208
Tolclofos-methyl	57018-04-9	Crustacea	Mysid	Americamysis bahia	<24 hr	SR	95.6	96 hr	LC50	0.327	PPM	0.269-0.410
Tolclofos-methyl	57018-04-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95.6	96 hr	EC50	0.21	PPM	0.15-0.30
Tolclofos-methyl	57018-04-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	F	97.8	96 hr	LC50	0.69	PPM	0.64-0.74
Tolclofos-methyl	57018-04-9	Crustacea	Water flea	Daphnia magna	<24 hr	C	98.8	48 hr	EC50	48	PPM	42.8-53.7
Tolclofos-methyl	57018-04-9	Crustacea	Water flea	Daphnia pulex	<24 hr	S	99.8	24 hr	EC50	2.4	PPM	2.05-2.78
Tolclofos-methyl	57018-04-9	Fishes	Common carp	Cyprinus carpio	0.46 g	SR	99.8	96 hr	LC50	2.13	PPM	1.51-2.73
Tolclofos-methyl	57018-04-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	SR	99.8	96 hr	LC50	0.87	PPM	0.31-1.25
Tolclofos-methyl	57018-04-9	Fishes	Guppy	Poecilia reticulata	0.04 g	SR	99.8	96 hr	LC50	3.18	PPM	2.39-4.24
Tolclofos-methyl	57018-04-9	Fishes	Killifish	Oryzias latipes	0.36 g	SR	99.8	96 hr	LC50	2.88	PPM	2.16-3.77
Tolfenpyrad	129558-76-5	Fishes	Common carp	Cyprinus carpio	2.19 g	SR	99.3	96 hr	LC50	3.2	PPB	2.5-4.0
Tolfenpyrad	129558-76-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.33	48 hr	EC50	1	PPB	0.83 -1.2
Tolfenpyrad	129558-76-5	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	F	99.5	96 hr	LC50	0.941	PPB	0.803 - 1.10
Tolfenpyrad	129558-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	F	99.5	96 hr	LC50	0.163	PPB	0.120-0.243
Tolfenpyrad	129558-76-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.35 g	F	99.5	96 hr	LC50	3.38	PPB	2.96-3.92
Tolfenpyrad PT(A)-4OH metabolite	129558-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.83 g	S	99.6	96 hr	LC50	3200	PPB	2500-4000
Tolfenpyrad PT-CA metabolite	129558-76-5	Fishes	Common carp	Cyprinus carpio	4 cm	S	100	96 hr	LC50	912	PPB	690-1400
Tolfenpyrad PT-CA metabolite	129558-76-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.13 g	S	100	96 hr	LC50	640	PPB	510-790
Tolyfluanid	731-27-1	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.3	48 hr	EC50	0.19	PPM	0.12-0.30
Tolylfluanid DMST metabolite	66840-71-9	Crustacea	Mysid	Americamysis bahia	<24 hr	S	98.8	96 hr	LC50	21.54	PPM	18.8-24.5
Tolylfluanid DMST metabolite	66840-71-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.2 g	S	98.8	96 hr	LC50	27.5	PPM	23.2-32.3

Tolylfluanid DMST metabolite	66840-71-9	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	98.8	96 hr	EC50	41.5	PPM	36.4-44.3
Tolylfluanid DMST metabolite	66840-71-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.57 g	S	99	96 hr	LC50	35	PPM	25.0-50.0
Tolylfluanid DMST metabolite	66840-71-9	Fishes	Bluegill sunfish	Lepomis macrochirus	2.0 g	S	99.2	96 hr	LC50	38	PPM	32.2-44.5
Tolylfluanid DMST metabolite	66840-71-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.4	48 hr	EC50	31.1	PPM	26-37
Tolylfluanid DMST metabolite in sediment	66840-71-9	Crustacea	Marine amphipod	Leptocheirus plumulosus	Juv.	S	98	10 D	LC50	73.6 (sedmnt)	PPM	68.4-84.7
Topramezone	210631-68-8	Crustacea	Mysid	Americamysis bahia	<24 Hr	S	95.8	96 Hr	LC50	2.7	PPM	2.2-3.4
Topramezone	210631-68-8	Crustacea	Marine Arthropod	Leptocheirus plumulosus	2.4 mm	S	98.9	10 D	LC50	1.06 (sedmt)	MGK	0.98-1.1
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	10	PPB	6.8-14.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Water flea	Daphnia pulex	<24 hr	S	100	48 hr	EC50	14.2	PPB	10.5-19.1
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	100	48 hr	LC50	10	PPB	7.0-14.2
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Scud	Gammarus fasciatus	Juv	S	100	96 hr	LC50	6	PPB	1.7-21.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Scud	Gammarus fasciatus	Adult	S	100	96 hr	LC50	26	PPB	18.9-35.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	100	48 hr	LC50	2.7	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	4.2	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	100	96 hr	LC50	1.4	PPB	1.1-1.8
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	100	48 hr	LC50	5.2	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	100	96 hr	LC50	4.4	PPB	3.2-5.4
Toxaphene (Cancelled in U.S.)	8001-35-2	Crustacea	Blue crab	Callinectes sapidus	Juv	F	100	48 hr	LC50	180	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Coho salmon	Oncorhynchus kisutch	1.0 g	S	100	96 hr	LC50	8	PPB	6-10
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	S	100	96 hr	LC50	10.6	PPB	7.9-12.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.9 g	S	100	96 hr	LC50	1.8	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	100	96 hr	LC50	6.7	PPB	4.5-9.9
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Brown trout	Salmo trutta	1.7 g	S	100	96 hr	LC50	3.1	PPB	2.1-4.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Brook trout	Salvelinus fontinalis	133 g	F	100	96 hr	LC50	10.8	PPB	9.1-12.8
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Brook trout	Salvelinus fontinalis	9.2 g	F	100	96 hr	LC50	3.39	PPB	2.62-4.4

Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Brook trout	Salvelinus fontinalis	Finglg	F	100	96 hr	LC50	3.6	PPB	2.88-4.5
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Goldfish	Carassius auratus	1.0 g	S	100	96 hr	LC50	14	PPB	11-19
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Common carp	Cyprinus carpio	0.6 g	S	100	96 hr	LC50	3.7	PPB	2.8-4.7
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Fathead minnow	Pimephales promelas	1.2 g	S	100	96 hr	LC50	14	PPB	9-22
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Fathead minnow	Pimephales promelas	1.3 g	F	100	96 hr	LC50	5.6	PPB	3.9-8.0
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Black bullhead	Ictalurus melas	1.2 g	S	100	96 hr	LC50	5	PPB	3.7-6.5
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	0.2 g	S	100	96 hr	LC50	4.2	PPB	2.91-6.04
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	0.3 g	S	100	96 hr	LC50	2.7	PPB	1.9-3.8
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	4.8 g	F	100	96 hr	LC50	5.5	PPB	4.9-6.18
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	2.9 g	F	100	96 hr	LC50	4.75	PPB	4.14-5.45
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	Finglg	S	100	96 hr	LC50	2.8	PPB	2-4
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	YlkFry	S	100	96 HR	LC50	0.82	PPB	0.56-1.19
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	YlkFry	F	100	96 hr	LC50	2.4	PPB	1.9-3
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Channel catfish	Ictalurus punctatus	yr	S	100	96 hr	LC50	1	PPB	0.85-1.2
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Green sunfish	Lepomis cyanellus	1.1 g	S	100	96 hr	LC50	11	PPB	8-17
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.8 g	S	100	96 hr	LC50	2.4	PPB	2-2.8
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.6 g	F	100	96 hr	LC50	3.37	PPB	3-3.78
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Largemouth bass	Micropterus salmoides	0.9 g	S	100	96 hr	LC50	2	PPB	1.3-3.2
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Yellow perch	Perca flavescens	1.4 g	S	100	96 hr	LC50	12	PPB	9-14
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	F	100	96 hr	LC50	1.1	PPB	0.9-1.4
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Pinfish	Lagodon rhomboides	Adult	F	100	96 hr	LC50	0.53	PPB	0.50-0.70
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Spot	Leiostomus xanthurus	Juv	F	100	48 hr	LC50	3.2	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Fishes	Striped mullet	Mugil cephalus	Juv	F	100	48 hr	LC50	3.2	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	34	PPB	N.R.
Toxaphene (Cancelled in U.S.)	8001-35-2	Mollusca	Eastern oyster	Crassostrea virginica	Adult	F	100	96 hr	EC50	16	PPB	N.R.
Tralomethrin	66841-	Crustacea	Water flea	Daphnia magna	1st-I	S	98.5	48 hr	EC50	0.039	PPB	0.031-

	25-6											0.049
Tralomethrin	66841-25-6	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	98.5	96 hr	LC50	1.6	PPB	1.3-1.9
Tralomethrin	66841-25-6	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	98.5	96 hr	LC50	4.3	PPB	3.2-5.6
Tralomethrin	66841-25-6	Fishes	Bluegill sunfish	Lepomis macrochirus	4.8 g	S	99	96 hr	LC50	2.8	PPB	1.7-3.7
Tralomethrin	66841-25-6	Mollusca	Eastern oyster	Crassostrea virginica	Larvae	S	99	48 hr	EC50	1.6	PPB	1.4-2.0
Tralomethrin	66841-25-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	S	Tech	96 hr	EC50	0.849	PPB	0.634-1.18
Tralomethrin	66841-25-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	S	Tech	96 hr	LC50	2.48	PPB	2.27-2.69
Triademefon	43121-43-3	Crustacea	Mysid	Americamysis bahia	<24 hr	S	96.88	96 hr	LC50	4.3	PPM	2.2-9.1
Triademefon	43121-43-3	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.20 g	S	96.88	96 hr	LC50	6.3	PPM	3.5-Inf
Triademefon	43121-43-3	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.88	96 hr	EC50	3.9	PPM	3.0-5.1
Triadimefon	43121-43-3	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	93	96 hr	LC50	11	PPM	9.7-12.0
Triadimefon	43121-43-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	93	96 hr	LC50	14	PPM	12-16
Triadimefon	43121-43-3	Fishes	Channel catfish	Ictalurus punctatus	Juv	S	93	96 hr	LC50	15	PPM	13-17
Triadimefon	43121-43-3	Fishes	Rainbow trout	Oncorhynchus mykiss	0.4 g	SR	96.8	96 hr	LC50	4.1	PPM	3.3-5.0
Triadimefon	43121-43-3	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	SR	96.8	96 hr	LC50	10	PPM	7.0-14.3
Triadimefon	43121-43-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.8	48 hr	EC50	7.16	PPM	5.8-8.7
Triadimefon	43121-43-3	Crustacea	Water flea	Daphnia magna	1st-I	S	Tech	48 hr	EC50	1.73	PPM	1.16-2.99
Triadimenol	55219-65-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	92	48 hr	EC50	2.5	PPM	2.1-3.0
Triadimenol	55219-65-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	92	96 hr	LC50	15	PPM	13-17
Triadimenol	55219-65-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	92	96 hr	LC50	14	PPM	12-16
Triadimenol	55219-65-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	94.9	96 hr	LC50	23.5	PPM	21.8-25.4
Triadimenol	55219-65-3	Fishes	Golden orfe	Leuciscus idus melanotus	1.5 g	S	94.9	96 hr	LC50	17.4	PPM	17.1-17.7
Triallate	2303-17-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	F	92.7	96 hr	LC50	1330	PPB	710-1400
Triallate	2303-17-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.5	48 hr	EC50	91	PPB	79-103
Triallate	2303-17-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	96.5	48 hr	EC50	430	PPB	380-490
Triallate	2303-17-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	96.9	96 hr	LC50	1200	PPB	960-1500

Triallate	2303-17-5	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	96.9	96 hr	LC50	1300	PPB	1000-1800
Triallate	2303-17-5	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv.	F	Tech	21 D	LC50	580	PPB	N.R.
Triasulfuron	82097-50-5	Crustacea	Mysid	Americamysis bahia	N.R.	S	93.4	96 hr	LC50	21.5	PPM	17.2-26.0
Triasulfuron	82097-50-5	Mollusca	Quahog clam	Mercenaria mercenaria	N.R.	S	93.4	N.R.	EC50	56	PPM	N.R.
Triazamate	112143-82-5	Fishes	Bluegill sunfish	Lepomis macrochirus	2.2 g	F	94.9	96 Hr	LC50	0.74	PPM	0.4-1.2
Triazamate	112143-82-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.3 g	F	94.9	96 Hr	LC50	0.53	PPM	0.42-0.70
Triazamate	112143-82-5	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	97.9	96 Hr	LC50	188	PPB	144-259
Triazamate	112143-82-5	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.35 g	F	98	96 Hr	LC50	5.8	PPM	4.8-7.3
Triazamate	112143-82-5	Mollusca	Eastern Oyster	Crassostrea virginica	Spat	F	98	96 Hr	EC50	12	PPM	11-14
Triazamate	112143-82-5	Crustacea	Water flea	Daphnia magna	<24 Hr	F	99.6	48 Hr	EC50	14	PPB	5.7-27
Tribenuron methyl	101200-48-0	Crustacea	Water flea	Daphnia magna	1st-I	S	96.8	96 hr	EC50	720	PPM	680-6506
Tribufos	78-48-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	72.3	48 hr	EC50	61	PPB	50-73
Tribufos	78-48-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	6.8	PPB	3.7-13
Tribufos	78-48-8	Crustacea	Scud	Gammarus fasciatus	Adult	S	95	96 hr	LC50	100	PPB	68-150
Tribufos	78-48-8	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	95	96 hr	LC50	27	PPB	16-43
Tribufos	78-48-8	Crustacea	Mysid	Americamysis bahia	24 hr	F	95	96 hr	LC50	4.6	PPB	4.2-4.9
Tribufos	78-48-8	Crustacea	Brown shrimp	Penaeus aztecus	Adult	F	95	48 hr	LC50	28	PPB	N.R.
Tribufos	78-48-8	Crustacea	Pink shrimp	Penaeus duorarum	Adult	F	95	96 hr	LC50	14	PPB	10-18
Tribufos	78-48-8	Crustacea	White shrimp	Penaeus stylirostris	Juv	S	95	96 hr	LC50	25	PPB	16-49
Tribufos	78-48-8	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	95	96 hr	LC50	22	PPB	19-23
Tribufos	78-48-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	95	96 hr	LC50	660	PPB	560-750
Tribufos	78-48-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	95	96 hr	LC50	620	PPB	390-975
Tribufos	78-48-8	Fishes	Spot	Leiostomus xanthurus	Adult	F	95	96 hr	LC50	130	PPB	100-170
Tribufos	78-48-8	Fishes	Channel catfish	Ictalurus punctatus	0.2 g	S	95	96 hr	LC50	350	PPB	270-460
Tribufos	78-48-8	Fishes	Channel catfish	Ictalurus punctatus	1.0 g	S	95	96 hr	LC50	1540	PPB	1360-1750
Tribufos	78-48-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	28 D	S	95	96 hr	LC50	440	PPB	410-470
Tribufos	78-48-8	Fishes	Pinfish	Lagodon rhomboides	Adult	F	95	96 hr	LC50	290	PPB	240-380
Tribufos	78-48-8	Fishes	Spot	Leiostomus xanthurus	Juv	F	95	48 hr	LC50	240	PPB	N.R.

Tribufos	78-48-8	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95	48 hr	EC50	200	PPB	120-323
Tribufos	78-48-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	95	96 hr	EC50	100	PPB	N.R.
Tribufos	78-48-8	Fishes	Bluegill sunfish	Lepomis macrochirus	1.9 g	F	96.2	96 hr	LC50	630	PPB	500-780
Tribufos	78-48-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.91 g	F	96.2	96 hr	LC50	1700	PPB	1300-2300
Tribufos	78-48-8	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96.4	96 hr	LC50	11.5	PPB	9.3-15.1
Tribufos	78-48-8	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.4	96 hr	EC50	39.6	PPB	35-45
Tribufos	78-48-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.10 g	F	98.6	96 hr	LC50	767	PPB	560-1370
Tribufos	78-48-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.7	48 hr	EC50	110	PPB	90-139
Tribufos	78-48-8	Fishes	Fathead minnow	Pimephales promelas	0.32 g	F	99.4	96 hr	LC50	920	PPB	590-Inf
Tribufos	78-48-8	Crustacea	Scud	Gammarus lacustris	Adult	S	Tech	96 hr	LC50	100	PPB	78-150
Tribufos DEF 6 formulation	78-48-8	Fishes	Bluegill sunfish	Lepomis macrochirus	2.3 g	F	72.3	96 hr	LC50	607	PPB	456-810
Tributyltin fluoride(TBTF)	1983-10-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	0.248	PPB	0.17-0.35
Tributyltin fluoride(TBTF)	1983-10-4	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	95	96 hr	LC50	12.7	PPB	2.4-67.1
Tributyltin fluoride(TBTF)	1983-10-4	Crustacea	Fiddler crab	Uca pugilator	Adult	S	95	96 hr	LC50	800	PPB	300-2200
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	3.7	PPB	2.5-5.3
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	95	96 hr	LC50	4.3	PPB	3.4-5.6
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Mummichog	Fundulus heteroclitus	N.R.	S	95	96 hr	LC50	7.6	PPB	3.4-17.2
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95	96 hr	LC50	3.4	PPB	2.3-5.0
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.06 g	S	95	96 hr	LC50	10.8	PPB	9.6 -12.0
Tributyltin fluoride(TBTF)	1983-10-4	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	95	96 hr	LC50	7.5	PPB	5.5-10.0
Tributyltin fluoride(TBTF)	1983-10-4	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95	48 hr	EC50	0.36	PPB	0.003-62.4
Tributyltin neodecanoate	28801-69-6	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	5.5	PPB	3.77-8.03
Tributyltin neodecanoate	28801-69-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.37 g	S	98	96 hr	LC50	21	PPB	N.R.
Tributyltin neodecanoate	28801-69-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.84 g	S	98	96 hr	LC50	10.5	PPB	N.R.
Tributyltin oxide	56-35-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	95	48 hr	EC50	1.67	PPB	1.0-1.9
Tributyltin oxide	56-35-9	Crustacea	Fiddler crab	Uca pugilator	Adult	S	95	48 hr	LC50	7300	PPB	6400-8300
Tributyltin oxide	56-35-9	Crustacea	Pink shrimp	Penaeus duorarum	<35 mm	S	95	96 hr	LC50	11	PPB	5.4-23

Tributyltin oxide	56-35-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.89 g	S	95	96 hr	LC50	13.2	PPB	11-15.7
Tributyltin oxide	56-35-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.77 g	S	95	96 hr	LC50	5.6	PPB	4.6-6.9
Tributyltin oxide	56-35-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	<4.9cm	S	95	21 D	LC50	10	PPB	8.7-18
Tributyltin oxide	56-35-9	Fishes	Channel catfish	Ictalurus punctatus	N.R.	S	95	96 hr	LC50	12	PPB	7.3-20
Tributyltin oxide	56-35-9	Fishes	Mummichog	Fundulus heteroclitus	Adult	S	95	96 hr	LC50	24	PPB	18-33
Tributyltin oxide	56-35-9	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	95	96 hr	LC50	7.6	PPB	5.6 - 10
Tributyltin oxide	56-35-9	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	95	48 hr	EC50	0.9	PPB	0.4-1.9
Tributyltin oxide	56-35-9	Crustacea	Grass shrimp	Palaemonetes pugio	Adult	F	97	96 hr	LC50	19	PPB	13-30
Tributyltin oxide	56-35-9	Mollusca	Mussel	Mytilus edulis	EmbLrv	S	97.4	72 hr	EC50	0.8	PPB	0.76-0.85
Tributyltin oxide	56-35-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.5	48 hr	EC50	11.5	PPB	9.2-15.5
Tributyltin oxide	56-35-9	Fishes	Bluegill sunfish	Lepomis macrochirus	1.0 g	F	97.5	96 hr	LC50	8.7	PPB	5.8-11.3
Tributyltin oxide	56-35-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.4 g	F	97.5	96 hr	LC50	7.4	PPB	5.5-10
Tributyltin oxide	56-35-9	Mollusca	Pacific oyster	Crassostrea gigas	EmbLrv	S	97.5	48 hr	EC50	0.28	PPB	0.25-0.30
Tributyltin oxide	56-35-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.5	96 hr	EC50	0.126	PPB	0.108-0.146
Tributyltin oxide	56-35-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.5 g	S	Tech	96 hr	LC50	16	PPB	11-30
Trichlorfon	52-68-6	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	80	96 hr	LC50	17	PPB	11-25
Trichlorfon	52-68-6	Fishes	Striped bass	Morone saxatilis	Finglg	S	80	96 hr	LC50	2	PPM	N.R.
Trichlorfon	52-68-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.6 g	S	80	96 hr	LC50	2.4	PPM	1.7-3.3
Trichlorfon	52-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.33 g	S	80	96 hr	LC50	1.2	PPM	1.0-1.5
Trichlorfon	52-68-6	Crustacea	Water flea	Daphnia pulex	1st-I	S	98	48 hr	EC50	0.18	PPB	0.13-0.25
Trichlorfon	52-68-6	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	98	48 hr	LC50	0.7	PPB	0.56-0.87
Trichlorfon	52-68-6	Crustacea	Scud	Gammarus lacustris	Adult	S	98	96 hr	LC50	40	PPB	26-60
Trichlorfon	52-68-6	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	98	96 hr	LC50	0.36	PPB	N.R.
Trichlorfon	52-68-6	Crustacea	Scud	Gammarus pseudolimnaeus	Adult	S	98	96 hr	LC50	32	PPB	23-45
Trichlorfon	52-68-6	Crustacea	Crayfish	Procambarus sp.	Adult	S	98	96 hr	LC50	7800	PPB	6520-9330
Trichlorfon	52-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	0.20 g	S	98	96 hr	LC50	0.43	PPM	0.35-0.52
Trichlorfon	52-68-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.80g	S	98	96 hr	LC50	0.23	PPM	0.155-0.351

Trichlorfon	52-68-6	Fishes	Atlantic salmon	Salmo salar	0.2g	S	98	96 hr	LC50	0.3	PPM	0.26-0.34
Trichlorfon	52-68-6	Fishes	Channel catfish	Ictalurus punctatus	1.6g	S	98	96 hr	LC50	0.88	PPM	0.76-1.01
Trichlorfon	52-68-6	Fishes	Fathead minnow	Pimephales promelas	0.9g	S	98	96 hr	LC50	7.9	PPM	6.7-9.2
Trichlorfon	52-68-6	Fishes	Largemouth bass	Micropterus salmoides	0.8g	S	98	96 hr	LC50	3.4	PPM	3.0-3.9
Trichlorfon	52-68-6	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.6g	S	98	96 hr	LC50	0.375	PPM	0.32-0.454
Trichlorfon	52-68-6	Fishes	Brook trout	Salvelinus fontinalis	0.8g	S	98	96 hr	LC50	0.24	PPM	0.20-0.287
Trichlorfon	52-68-6	Fishes	Lake trout	Salvelinus namaycush	2.3 g	S	98	96 hr	LC50	0.55	PPM	0.35-0.85
Trichlorfon	52-68-6	Fishes	Black bullhead	Ictalurus melas	N.R.	S	98	96 hr	LC50	0.515	PPM	0.36-0.73
Trichlorfon	52-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	S	98	96 hr	LC50	1.8	PPM	1.3-2.4
Trichlorfon	52-68-6	Fishes	Cutthroat trout	Oncorhynchus clarkii	0.90g	S	80WP	96 hr	LC50	3.25	PPM	2.74-3.86
Trichlorfon	52-68-6	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2g	S	80WP	96 hr	LC50	0.78	PPM	0.56-1.07
Trichloromelamine	7673-09-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.9	96 hr	EC50	0.8	PPM	0.56-1.0
Trichloromelamine	7673-09-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	95.9	96 hr	LC50	4.5	PPM	3.2-5.6
Trichloromelamine	7673-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.71 g	S	95.9	96 hr	LC50	4	PPM	3.2-5.6
Trichloromelamine	7673-09-8	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.5	48 hr	EC50	1.2	PPM	1.0-1.4
Trichloromelamine	7673-09-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.86 g	S	99.5	96 hr	LC50	5.2	PPM	3.2-6.8
Trichloromelamine	7673-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.58 g	S	99.5	96 hr	LC50	2	PPM	1.5-3.2
Trichloro-s-triazinetrione	87-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.64 g	S	92.08	96 hr	LC50	0.08	PPM	0.06-.11
Trichloro-s-triazinetrione	87-90-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.45 g	S	92.08	96 hr	LC50	0.2	PPM	0.14-0.27
Trichloro-s-triazinetrione	87-90-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	92.8	48 hr	EC50	0.17	PPM	0.16-0.18
Trichloro-s-triazinetrione	87-90-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	98	48 hr	EC50	0.64	PPM	0.36-1.0
Trichloro-s-triazinetrione	87-90-1	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	0.8	PPM	0.6-1.0
Trichloro-s-triazinetrione	87-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.62 g	S	100	96 hr	LC50	0.37	PPM	0.34-0.39
Trichloro-s-triazinetrione	87-90-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.45 g	S	100	96 hr	LC50	0.2	PPM	0.14-0.50
Trichloro-s-triazinetrione	87-90-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.42 g	S	100	96 hr	LC50	0.33	PPM	0.3-0.35
Trichloro-s-triazinetrione	87-90-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.68 g	S	100	96 hr	LC50	0.62	PPM	0.52-0.73
Triclopyr acid	55335-06-3	Crustacea	Water flea	Daphnia magna	1st-I	S	99.5	48 hr	EC50	132.9	PPM	104.5-216.7

Triclopyr acid	55335-06-3	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	132.9	PPM	104-216
Triclopyr acid	55335-06-3	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	117	PPM	N.R.
Triclopyr acid	55335-06-3	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	148	PPM	N.R.
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Fathead minnow	Pimephales promelas	0.38 g	S	96	24 hr	LC50	2.31	PPM	N.R.
Triclopyr butoxyethyl ester	64700-56-7	Crustacea	Grass shrimp	Palaemonetes pugio	0.11 g	F	96.1	96 hr	LC50	2.48	PPM	2.1-3.9
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Inland silverside	Menidia beryllina	Juv.	F	96.1	96 hr	LC50	0.45	PPM	0.3-0.57
Triclopyr butoxyethyl ester	64700-56-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96.1	96 hr	EC50	0.46	PPM	0.37-0.54
Triclopyr butoxyethyl ester	64700-56-7	Crustacea	Water flea	Daphnia magna	1st-I	S	96.4	48 hr	EC50	1.7	PPM	1.2-2.2
Triclopyr butoxyethyl ester	64700-56-7	Crustacea	Water flea	Daphnia magna	1st-I	S	96.4	48 hr	EC50	12	PPM	4-32
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Fathead minnow	Pimephales promelas	0.38 g	S	96.4	24 hr	LC50	2.4	PPM	2.0-2.7
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.98 g	F	96.8	96 hr	LC50	0.36	PPM	0.2-0.56
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.99g	F	96.98	96 hr	LC50	0.65	PPM	0.57-0.73
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Coho salmon	Oncorhynchus kisutch	Fry	S	99	96 hr	LC50	0.45	PPM	N.R.
Triclopyr butoxyethyl ester	64700-56-7	Fishes	Coho salmon	Oncorhynchus kisutch	Finglg	S	99	96 hr	LC50	1.4	PPM	N.R.
Triclosan	3380-34-5	Fishes	Rainbow trout	Oncorhynchus mykiss	0.44 g	S	99.3	96 hr	LC50	288	PPB	203-493
Triclosan	3380-34-5	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.7	48 hr	EC50	0.39	PPM	0.18-0.56
Triclosan	3380-34-5	Fishes	Fathead minnow	Pimephales promelas	0.04 g	S	99.7	96 hr	LC50	0.25	PPM	0.18-0.32
Tricosene as Muscalure formulation	27519-02-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	98.7	48 hr	EC50	1.08	PPM	0.83-1.40
Tricyclazole EL 291	41814-78-2	Fishes	Bluegill sunfish	Lepomis macrochirus	N.R.	S	Tech	96 hr	LC50	2.46	PPM	1.69-3.88
Tricyclazole EL 291	41814-78-2	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	Tech	96 hr	LC50	1.81	PPM	1.5-2.2
Tridecen-1-yl acetate (Z and E acetates)	65954-19-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	95.8	48 hr	EC50	4.8	PPM	4.1-5.7
Tridecen-1-yl acetate (Z and E acetates)	65954-19-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	97	48 hr	EC50	0.54	PPM	0.4-0.66
Tridecen-1-yl acetate (Z and E acetates)	65954-19-0	Crustacea	Water flea	Daphnia magna	<24 hr	S	99	48 hr	EC50	1.6	PPM	1.1-3.0
Tridiphane (DOWCO 356)	58138-08-2	Crustacea	Water flea	Daphnia magna	1st-I	S	89.1	48 hr	EC50	0.25	PPM	0.22-0.29

Tridiphane (DOWCO 356)	58138-08-2	Crustacea	Pink shrimp	Penaeus duorarum	N.R.	S	89.1	96 hr	LC50	0.14	PPM	0.11-0.17
Tridiphane (DOWCO 356)	58138-08-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.13 g	S	89.1	96 hr	LC50	0.37	PPM	0.33-0.41
Tridiphane (DOWCO 356)	58138-08-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.28 g	S	89.1	96 hr	LC50	0.53	PPM	0.48-0.61
Tridiphane (DOWCO 356)	58138-08-2	Fishes	Fathead minnow	Pimephales promelas	0.54 g	S	89.1	96 hr	LC50	1.32	PPM	1.16-1.50
Tridiphane (DOWCO 356)	58138-08-2	Mollusca	Eastern oyster	Crassostrea virginica	EmbLrv	S	89.1	48 hr	EC50	0.036	PPM	0.026-.050
Triethylene glycol	112-27-6	Crustacea	Mysid	Americamysis bahia	Juv	S	99.9	96 hr	LC50	11000	PPM	9600-12000
Triethylene glycol	112-27-6	Fishes	Sheepshead minnow	Cyprinodon variegatus	Adult	S	99.9	96 hr	LC50	48000	PPM	27000-75000
Trifloxystrobin	141517-21-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	96	48 hr	EC50	25.3	PPB	21.8-29.4
Trifloxystrobin	141517-21-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	96	96 hr	LC50	8.62	PPB	7.49-9.90
Trifloxystrobin	141517-21-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.16 g	F	96	96 hr	LC50	78	PPB	66.9-90.4
Trifloxystrobin	141517-21-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	96	96 hr	EC50	29.29	PPB	24.36-35.22
Trifloxystrobin	141517-21-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.51 g	F	96.4	96 hr	LC50	54	PPB	48-61
Trifloxystrobin	141517-21-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.71 g	F	96.4	96 hr	LC50	14	PPB	12-21
Trifloxysulfuron sodium	290332-10-4	Crustacea	Mysid	Americamysis bahia	<24 Hr	F	96.3	96 Hr	LC50	60.1	PPM	51.7-69.9
Trifloxysulfuron sodium	290332-10-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.304	F	96.3	96 Hr	LC50	NA	PPM	NA
Trifloxysulfuron sodium	290332-10-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.448	F	96.3	96 Hr	LC50	NA	PPM	NA
Trifloxysulfuron sodium metabolite	145099-40-7	Fishes	Rainbow trout	Oncorhynchus mykiss		S	99.5	96 Hr	LC50	NA	PPM	NA
Triflumizole	68694-11-1	Crustacea	Water flea	Daphnia carinata	<24 hr	S	98.7	48 hr	EC50	1.4	PPM	1.2-1.7
Triflumizole	68694-11-1	Fishes	Common carp	Cyprinus carpio	1.6 g	S	98.7	96 hr	LC50	0.89	PPM	0.75-1.08
Triflumizole	68694-11-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.41 g	S	98.8	96 hr	LC50	1.2	PPM	0.8-1.6
Triflumizole	68694-11-1	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	98.8	96 hr	LC50	0.58	PPM	0.4-0.8
Triflumizole	68694-11-1	Crustacea	Mysid	Americamysis bahia	<24hr	F	99.2	96 hr	LC50	0.6	PPM	0.49-.75
Triflumizole	68694-11-1	Fishes	Bluegill sunfish	Lepomis macrochirus	0.15 g	S	99.9	96 hr	LC50	0.48	PPM	0.39-0.65
Triflumizole	68694-11-1	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.33 g	F	99.2	96 hr	LC50	1.4	PPM	1.1-1.7
Triflumizole	68694-11-1	Mollusca	Eastern oyster	Crassostrea virginica	Spat	F	99.2	96 hr	EC50	0.72	PPM	0.65-0.80
Trifluoro-4-nitro-m-cresol (TFM)	88-30-2	Crustacea	Scud	Gammarus	Juv	S	95	96 hr	LC50	22.3	PPM	16-31.4

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Trifluoro-4-nitro-m-cresol (TFM)	88-30-2	Crustacea	Crayfish	Orconectes nais	Juv	S	95	96 hr	LC50	17.8	PPM	14.9-21.2
Trifluoro-4-nitro-m-cresol (TFM)	88-30-2	Fishes	Rainbow trout	Oncorhynchus mykiss	1.5 g	S	96	96 hr	LC50	1.92	PPM	1.5-2.5
Trifluoro-4-nitro-m-cresol (TFM)	88-30-2	Fishes	Bluegill sunfish	Lepomis macrochirus	1.5 g	S	96	96 hr	LC50	6.19	PPM	5.6-6.9
Trifluralin	1582-09-8	Crustacea	Water flea	Simocephalus serrulatus	1st-I	S	95.9	48 hr	EC50	900	PPB	651-1245
Trifluralin	1582-09-8	Crustacea	Water flea	Daphnia magna	1st-I	S	95.9	48-96	EC50	560	PPB	320-1,000
Trifluralin	1582-09-8	Crustacea	Water flea	Daphnia pulex	1st-I	S	95.9	48 hr	EC50	625	PPB	446-876
Trifluralin	1582-09-8	Crustacea	Scud	Gammarus fasciatus	Adult	S	95.9	96 hr	LC50	2200	PPB	1400-3400
Trifluralin	1582-09-8	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Juv	S	95.9	96 hr	LC50	37	PPB	26-54
Trifluralin	1582-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	95.9	96 hr	LC50	22	PPB	16-30
Trifluralin	1582-09-8	Fishes	Fathead minnow	Pimephales promelas	0.8 g	S	95.9	96 hr	LC50	105	PPB	83-134
Trifluralin	1582-09-8	Fishes	Channel catfish	Ictalurus punctatus	5.2 g	S	95.9	96 hr	LC50	210	PPB	135-375
Trifluralin	1582-09-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.9 g	S	95.9	96 hr	LC50	8.4	PPB	6.5-11.0
Trifluralin	1582-09-8	Fishes	Largemouth bass	Micropterus salmoides	0.7 g	S	95.9	96 hr	LC50	75	PPB	65-87
Trifluralin	1582-09-8	Fishes	Walleye	Stizostedion vitreum v.	1.4 g	S	95.9	24 hr	LC50	180	PPB	108-300
Trifluralin	1582-09-8	Fishes	Sheepshead minnow	Cyprinodon variegatus	Juv	S	96	96 hr	LC50	160	PPB	130-230
Trifluralin	1582-09-8	Crustacea	Grass shrimp	Palaemonetes pugio	Juv	F	96.4	96 hr	LC50	638.5	PPB	487.1-974.1
Trifluralin	1582-09-8	Crustacea	Water flea	Daphnia magna	<24 Hr	SR	97.1	48 Hr	EC50	251	PPB	215-288
Trifluralin (metabolite TR-15)	1582-09-8	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99	48 Hr	EC50	8910	PPB	7800-10100
Trifluralin (metabolite TR-15)	1582-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.85 g	S	99	96 Hr	LC50	6040	PPB	1730-7770
Trifluralin (metabolite TR-6)	1582-09-8	Crustacea	Water flea	Daphnia magna	<24 Hr	S	99	48 Hr	EC50	3520	PPB	2930-4250
Trifluralin (metabolite TR-6)	1582-09-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.8 g	S	99	96 Hr	LC50	991	PPB	769-1400
Triforine	26644-46-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	83.87	PPM	29.5-263.24
Triforine	26644-46-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	28	PPM	N.R.
Trimethacarb	2686-99-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	86.9	48 hr	EC50	18	PPB	15-21
Trimethacarb	2686-99-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.7 g	S	95	96 hr	LC50	3	PPM	2.0-4.5

Trimethacarb	2686-99-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.5 g	S	95	96 hr	LC50	4.7	PPM	3.2-10.0
Trimethacarb	2686-99-9	Crustacea	Brown shrimp	Penaeus aztecus	Juv	F	Tech	48 hr	LC50	4.2	PPB	N.R.
Trimethacarb	2686-99-9	Fishes	Pinfish	Lagodon rhomboides	N.R.	S	Tech	48 hr	LC50	1.8	PPM	N.R.
Tri-n-butyl tetradecyl phosphonium chloride	81741-28-8	Fishes	Rainbow trout	Oncorhynchus mykiss	1.9 g	S	Tech	96 hr	LC50	200	PPB	150-250
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.48 g	S	97	96 hr	LC50	22	PPB	20-24
Triphenyltin hydroxide (TPTH)	76-87-9	Crustacea	Mysid	Americamysis bahia	<=24hr	F	97.23	96 hr	LC50	4.3	PPB	3.7-5.0
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.28 g	F	97.23	96 hr	LC50	25.5	PPB	21-33
Triphenyltin hydroxide (TPTH)	76-87-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	97.23	96 hr	EC50	0.36	PPB	0.30-0.46
Triphenyltin hydroxide (TPTH)	76-87-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	97.3	48 hr	EC50	10	PPB	8.7-13
Triphenyltin hydroxide (TPTH)	76-87-9	Crustacea	Pink shrimp	Penaeus duorarum	Juv	F	100	48 hr	LC50	64	PPB	N.R.
Triphenyltin hydroxide (TPTH)	76-87-9	Crustacea	Scud	Gammarus fasciatus	Mat	S	100	96 hr	LC50	66	PPB	44-103
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Spot	Leiostomus xanthurus	Juv	F	100	48 hr	LC50	46	PPB	N.R.
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Goldfish	Carassius auratus	1.0 g	S	100	96 hr	LC50	62	PPB	49-75
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Fathead minnow	Pimephales promelas	0.9 g	S	100	96 hr	LC50	20	PPB	N.R.
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Bluegill sunfish	Lepomis macrochirus	0.5 g	S	100	96 hr	LC50	23	PPB	19-28
Triphenyltin hydroxide (TPTH)	76-87-9	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	100	96 hr	EC50	1.5	PPB	N.R.
Triphenyltin hydroxide (TPTH)	76-87-9	Crustacea	Mysid	Americamysis bahia	3 D	S	Tech	96 hr	LC50	3.7	PPB	2.8-4.8
Triphenyltin hydroxide (TPTH)	76-87-9	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.92 g	S	Tech	96 hr	LC50	34	PPB	32-52
Triphenyltin hydroxide (TPTH)	76-87-9	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	Tech.	96 hr	EC50	0.57	PPB	0.35-.85
Triphenyltin hydroxide	76-87-9	Fishes	Fathead minnow	Pimephales promelas	Larvae	S	96	96 hr	LC50	7.1	PPB	5.6-8.6
Tris(hydroxymethyl)nitromethane	126-11-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99	96 hr	EC50	22.8	PPM	N.R.
Tris(hydroxymethyl)nitromethane	126-11-4	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	80	PPM	N.R.
Tris(hydroxymethyl)nitromethane	126-11-4	Fishes	Rainbow trout	Oncorhynchus mykiss	Juv	S	100	96 hr	LC50	414	PPM	342-781
Tris(hydroxymethyl)nitromethane	126-11-4	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	100	96 hr	LC50	280	PPM	N.R.
Triticonazole	131983-72-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	90.52	96 hr	LC50	1.6	PPM	0.4-2.8
Triticonazole	131983-72-7	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.5	48 hr	EC50	7.6	PPM	6.2-10.0
Uniconazole	83657-17-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.66 g	S	96.2	96 hr	LC50	14.8	PPM	12.8-18.1
Uniconazole	83657-17-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.45 g	S	97.6	96 hr	LC50	6.8	PPM	4.6-8.4

Uniconazole	83657-17-4	Fishes	Common carp	Cyprinus carpio	0.68 g	F	98.2	96 hr	LC50	7.5	PPM	6.9-8.1
Vernolate	1929-77-7	Crustacea	Water flea	Daphnia magna	1st-I	S	96.6	48 hr	EC50	7.6	PPM	6.2-9.4
Vernolate	1929-77-7	Crustacea	Mysid	Americamysis bahia	N.R.	F	97.4	96 hr	LC50	4.4	PPM	3.8-4.9
Vernolate	1929-77-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	N.R.	F	97.4	96 hr	LC50	7.4	PPM	5.5-10.0
Vernolate	1929-77-7	Crustacea	Water flea	Daphnia magna	1st-I	S	97.7	48 hr	EC50	1.8	PPM	0.9-3.0
Vernolate	1929-77-7	Crustacea	Seed shrimp	Cypridopsis vidua	Mat	S	97.7	48 hr	LC50	0.25	PPM	0.15-0.42
Vernolate	1929-77-7	Crustacea	Sowbug	Asellus brevicaudus	Mat	S	97.7	96 hr	LC50	0.23	PPM	0.16-0.33
Vernolate	1929-77-7	Crustacea	Scud	Gammarus fasciatus	Mat	S	97.7	96 hr	LC50	14	PPM	9.6-20.0
Vernolate	1929-77-7	Crustacea	Glass shrimp	Palaemonetes kadiakensis	Juv	S	97.7	96 hr	LC50	0.53	PPM	0.14-2.0
Vernolate	1929-77-7	Fishes	Bluegill sunfish	Lepomis macrochirus	Juv	S	97.7	96 hr	LC50	2.5	PPM	1.7-3.7
Vernolate	1929-77-7	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	98	96 hr	EC50	1.7	PPM	1.3-2.4
Vernolate	1929-77-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.52g	S	98.4	96 hr	LC50	4.8	PPM	4.0-5.7
Vernolate	1929-77-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.69g	S	98.7	96 hr	LC50	3.5	PPM	2.7-4.6
Vernolate	1929-77-7	Crustacea	Scud	Gammarus lacustris	N.R.	S	Tech	96 hr	LC50	1.8	PPM	1.1-2.9
Vernolate (Vernam 6E)	1929-77-7	Fishes	Mosquitofish	Gambusia affinis	N.R.	S	77.8	96 hr	LC50	14.5	PPM	N.R.
Vernolate Vernam 6E formulation	1929-77-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.529	S	77.38	96 Hr	LC50	12.5	PPM	NR
Vernolate Vernam 6E formulation	1929-77-7	Fishes	Goldfish	Carassius auratus	0.634	S	77.38	96 Hr	LC50	12.7	PPM	11.7-13.8
Vernolate Vernam 6E formulation	1929-77-7	Fishes	Bluegill sunfish	Lepomis macrochirus	1.403	S	77.38	96 Hr	LC50	11.8	PPM	10.7-13.0
Vernolate Vernam 6E formulation	1929-77-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.724	S	77.38	96 Hr	LC50	9	PPM	NR
Vinclozolin	50471-44-8	Crustacea	Water flea	Daphnia magna	20 hr	S	96.5	48 H	EC50	3.65	PPM	N.R.
Vinclozolin	50471-44-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.51 g	S	96.5	96 hr	LC50	47.5	PPM	37.1-60.3
Vinclozolin	50471-44-8	Fishes	Pumpkinseed sunfish	Lepomis gibbosus	N.R.	S	96.5	96 hr	LC50	49.8	PPM	N.R.
Vinclozolin	50471-44-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.7 g	S	97	96 hr	LC50	2.84	PPM	N.R.
Warfarin	81-81-2	Fishes	Channel catfish	Ictalurus punctatus	0.8 g	S	88	96 hr	LC50	34.3	PPM	28.1-42
Warfarin	81-81-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	99.98	48 hr	EC50	70	PPM	56-100
Warfarin	81-81-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	130	PPM	100-180

Warfarin	81-81-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.23 g	S	100	96 hr	LC50	88	PPM	56-180
Warfarin	81-81-2	Crustacea	Water flea	Daphnia magna	<24 hr	S	Tech	48 hr	EC50	72	PPM	56-100
Warfarin	81-81-2	Fishes	Bluegill sunfish	Lepomis macrochirus	0.28 g	S	Tech	96 hr	LC50	750	PPM	560-1000
Xylene	1330-20-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.6 g	S	100	96 hr	LC50	8.2	PPM	6.7-10.03
Xylene	1330-20-7	Fishes	Bluegill sunfish	Lepomis macrochirus	0.90 g	S	100	96 hr	LC50	13.5	PPM	12.12-15.03
Z-11-Hexadecanol/Z-9 tetradecanol	53939-28-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	91.4	48 hr	EC50	1	PPM	0.77-1.3
Z-11-Hexadecanol/Z-9 tetradecanol	53939-28-9	Fishes	Rainbow trout	Oncorhynchus mykiss	1.0 g	S	91.4	96 hr	LC50	320	PPM	270-400
Zinc 2-ethylhexanoate (Not registered in U.S. now)	136-53-8	Crustacea	Water flea	Daphnia magna	<24 h	S	79.16	48 hr	EC50	1.6	PPM	1.4-1.9
Zinc 2-ethylhexanoate (Not registered in U.S. now)	136-53-8	Fishes	Rainbow trout	Oncorhynchus mykiss	0.31 g	S	79.16	96 hr	LC50	0.44	PPM	0.36-.54
Zinc 2-ethylhexanoate (Not registered in U.S. now)	136-53-8	Fishes	Bluegill sunfish	Lepomis macrochirus	0.34 g	S	79.16	96 hr	LC50	70	PPM	40-120
Zinc borate	12447-61-9	Crustacea	Water flea	Daphnia magna	<24 hr	S	100	48 hr	EC50	75	PPM	50-120
Zinc borate	12447-61-9	Fishes	Rainbow trout	Oncorhynchus mykiss	0.51 g	S	100	96 hr	LC50	2.7	PPM	1.8-3.4
Zinc omadine	13463-41-7	Crustacea	Water flea	Daphnia magna	<24 hr	F	97.8	48 hr	EC50	8.25	PPB	5.24-25.82
Zinc omadine	13463-41-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	97.8	96 hr	LC50	4.7	PPB	4.04-5.53
Zinc omadine	13463-41-7	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.26 g	SR	97.8	96 hr	LC50	400	PPB	200-590
Zinc omadine	13463-41-7	Fishes	Fathead minnow	Pimephales promelas	0.28 g	F	97.8	96 hr	LC50	2.68	PPB	2.10-3.27
Zinc omadine	13463-41-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.52 g	F	97.8	96 hr	LC50	3.6	PPB	3.07-4.33
Zinc omadine	13463-41-7	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	97.8	96 hr	EC50	22	PPB	18.9-27.3
Zinc omadine	13463-41-7	Crustacea	Amphipod	Hyalella azteca	12-13D	SR	98.2	10 D	EC50	2.1 (sedmnt)	MGK	0.78-5.6
Zinc omadine	13463-41-7	Crustacea	Amphipod	Hyalella azteca	4.8 mg	F	98.2	48 hr	LC50	136	PPB	97.6-203
Zinc omadine pyridine sulfonic acid degradate	13463-41-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	71	PPM	62.8-81.1
Zinc omadine pyridine sulfonic acid degradate	13463-41-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.41 g	F	98	96 hr	LC50	57.1	PPM	48.3-69.8

Zinc omadine pyridine sulfonic acid degradate	13463-41-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	99.1	96 hr	EC50	85.6	PPM	73.3-102.5
Zinc omadine sulfonic acid degradate	13463-41-7	Fishes	Fathead minnow	Pimephales promelas	0.32 g	F	98	96 hr	LC50	68.5	PPM	55.2-85.0
Zinc omadine sulfonic acid degradate	13463-41-7	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.5	96 hr	LC50	70.3	PPM	61.6-81.6
Zinc omadine sulfonic acid degradate	13463-41-7	Fishes	Rainbow trout	Oncorhynchus mykiss	0.48 g	F	98.5	96 hr	LC50	92.3	PPM	73.6-124
Zinc omadine sulfonic acid degradate	13463-41-7	Fishes	Fathead minnow	Pimephales promelas	0.28 g	F	98.5	96 hr	LC50	58.8	PPM	48.7-71
Zinc omadine sulfonic acid degradate	13463-41-7	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98.5	96 hr	EC50	96.2	PPM	89.3-105
Zinc oxide	1314-13-2	Fishes	Rainbow trout	Oncorhynchus mykiss	0.78 g	S	99	96 hr	LC50	1.1	PPM	0.59-2.5
Zinc sulphate monohydrate(30% as metallic)	7440-66-6	Fishes	Bluegill sunfish	Lepomis macrochirus	0.66 g	S	100	96 hr	LC50	26.5	PPM	N.R.
Zineb	12122-67-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	75	96 hr	LC50	20.8	PPM	16.3-26.
Zineb	12122-67-7	Fishes	Rainbow trout	Oncorhynchus mykiss	N.R.	S	75	48 hr	LC50	28	PPM	23-33.9
Ziram	137-30-4	Fishes	Rainbow trout	Oncorhynchus mykiss	0.65 g	S	76	24 hr	LC50	300	PPB	211-427
Ziram	137-30-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98	96 hr	LC50	13.6	PPB	8.5-18.3
Ziram	137-30-4	Fishes	Sheepshead minnow	Cyprinodon variegatus	0.23 g	F	98	96 Hr	LC50	840	PPB	700-1100
Ziram	137-30-4	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	98	96 hr	LC50	77	PPB	39-170
Ziram	137-30-4	Crustacea	Water flea	Daphnia magna	<24 hr	F	98.2	48 hr	EC50	206	PPB	151-307
Ziram	137-30-4	Crustacea	Mysid	Americamysis bahia	<24 hr	F	98.2	96 hr	LC50	134	PPB	105-169
Ziram	137-30-4	Fishes	Bluegill sunfish	Lepomis macrochirus	0.51 g	F	98.2	96 hr	LC50	570	PPB	330-930
Ziram	137-30-4	Crustacea	Water flea	Daphnia magna	24 hr	S	98.9	48 hr	EC50	48	PPB	34-68
Ziram	137-30-4	Fishes	Bluegill sunfish	Lepomis macrochirus	1.01 g	F	98.9	96 hr	LC50	9.7	PPB	8.0-11.0
Ziram	137-30-4	Fishes	Rainbow trout	Oncorhynchus mykiss	3.22 g	SR	98.9	96 hr	LC50	1700	PPB	1500-2000
Ziram	137-30-4	Fishes	Fathead minnow	Pimephales promelas	N.R.	S	99	96 hr	LC50	8	PPB	N.R.
Ziram	137-30-4	Fishes	Rainbow trout	Oncorhynchus mykiss	8-10cm	SR	Tech	96 hr	LC50	270	PPB	190-370
Ziram	137-30-4	Fishes	Common carp	Cyprinus carpio	N.R.	SR	Tech	96 hr	LC50	2280	PPB	2100-2500

Ziram	137-30-4	Fishes	Longnose killifish	Fundulus similis	Juv	S	Tech	48 hr	LC50	6400	PPB	N.R.
Ziram	137-30-4	Mollusca	Eastern oyster	Crassostrea virginica	Juv	F	Tech	96 hr	EC50	1000	PPB	N.R.
Zoxamide	156052-68-5	Crustacea	Mysid	Americamysis bahia	<24 hr	F	92.3	96 hr	LC50	75	PPB	67-87
Zoxamide	156052-68-5	Mollusca	Eastern oyster	Crassostrea virginica	SPAT	F	92.3	96 hr	EC50	0.715	PPM	0.535-0.957
Zoxamide	156052-68-5	Fishes	Rainbow trout	Oncorhynchus mykiss	1.2 g	F	94.2	96 hr	LC50	0.156	PPM	0.134-0.181

A.3 Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model

Table A.3.1. Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model. Parameters include e, s, a, b, v, CTSC for applicable organisms, and associated standard errors. Coefficients for Nonpolar, Organophosphate, Polar, Pyrethroid sodium channel modulation, Carbamate, and Aclicyclic GABA antagonism.

Variables	**Nonpolar**	***Nonpolar SE***	**Organophosphate**	***Organophosphate SE***	**Polar**	***Polar SE***	**Pyrethroid sodium channel modulation**	***Pyrethroid sodium channel modulation SE***	**Carbamate**	***Carbamate SE***	**Alicyclic GABA antagonism**	***Alicyclic GABA antagonism SE***
e [-]	1.096	*0.061*	1.291	*0.143*	1.305	*0.229*			0.962	*0.353*	2.590	*0.038*
s [-]			-1.039	*0.137*	-0.670	*0.212*	0.659	*0.131*	-1.535	*0.407*		
a [-]	-0.419	*0.141*			0.601	*0.162*					143.746	*35.175*
b [-]	-1.880	*0.109*			-1.993	*0.202*	-1.468	*0.346*				
v [-]	1.930	*0.079*	0.710	*0.140*	1.507	*0.146*	1.846	*0.136*	2.220	*0.290*		

Acartia			-2.540	*0.984*								
Aedes	1.960	*0.397*										
Alburnus	2.202	*0.303*										
Ambystoma	1.894	*0.397*										
Americamysis	0.620	*0.183*	-3.112	*0.314*			-2.140	*0.211*	-1.415	*0.412*		
Ankistrodesmus	1.793	*0.271*										
Artemia	1.502	*0.165*										
Asellus			-1.229	*0.444*								
Callinectes			-1.653	*0.598*							1.264	*0.374*
Carassius	1.580	*0.133*			0.795	*0.178*						
Chlamydomonas	1.443	*0.163*										
Chlorella	1.941	*0.168*										
Corbicula									1.639	*0.702*		
Culex	1.843	*0.397*										
Cypridopsis			-2.287	*0.996*								
Cyprinodon	1.337	*0.144*	-1.431	*0.307*								
Cyprinus	2.213	*0.464*										
Danio	1.391	*0.206*										
Daphnia	1.396	*0.105*	-3.222	*0.315*							2.366	*0.269*
Esox			-1.852	*0.590*			-0.762	*0.299*				
Fundulus			-2.437	*0.442*								
Gambusia	1.970	*0.247*	-0.819	*0.593*								
Gammarus	1.059	*0.247*	-3.094	*0.281*			-0.908	*0.240*	-0.935	*0.331*	0.466	*0.268*
Hydra	1.863	*0.397*										
Ictalurus	1.406	*0.201*	-0.621	*0.303*					0.604	*0.330*	0.471	*0.242*
Jordanella	1.017	*0.326*										
Lagodon			-2.066	*0.994*								

Leiostomus	1.095	*0.413*	-1.637	*0.333*							-0.694	*0.308*
Lepomis	1.381	*0.108*	-1.290	*0.265*					0.472	*0.256*		
Leptochirus	1.700	*0.412*										
Leuciscus							-0.894	*0.293*				
Leucisus	2.046	*0.143*			0.778	*0.257*						
Leuresthes			-3.468	*0.989*								
Lymnaea	1.932	*0.302*			0.583	*0.233*						
Macrobrachium			-3.518	*0.985*								
Menidia	1.691	*0.270*	-1.273	*0.600*					-1.188	*0.698*		
Micropterus			-1.104	*0.342*			-0.796	*0.419*				
Morone			-1.219	*0.582*								
Mugil			-1.682	*0.397*								
Mysidopsis	0.992	*0.194*										
Neopanope												
Nitocra	2.294	*0.326*										
Oithona	2.000	*0.406*										
Oncorhynchus	1.206	*0.120*	-1.230	*0.263*			-0.288	*0.134*	0.674	*0.256*		
Opsanus			-1.635	*0.989*								
Orconectes	2.054	*0.328*	-2.202	*0.444*			-1.296	*0.411*	1.669	*0.699*		
Oryzias	1.884	*0.150*			0.624	*0.118*						
Palaemonetes	1.204	*0.241*	-2.862	*0.397*			-1.931	*0.411*	-1.197	*0.413*		
Penaeus	1.444	*0.366*	-2.828	*0.279*			-0.540	*0.191*	-1.596	*0.332*	-1.089	*0.270*
Perca			-0.939	*0.524*			-0.528	*0.249*				
Pimephales	1.677	*0.086*	-0.570	*0.267*	0.686	*0.093*			0.703	*0.274*	0.568	*0.224*
Poecilia	1.664	*0.108*			0.567	*0.096*						
Pomoxis			-2.360	*0.993*								
Portunus	0.514	*0.402*										

Procambarus			-1.271	*0.588*					-0.923	*0.502*		
Rana	2.208	*0.358*										
Rhepoxyinus	1.555	*0.468*										
Salmo			-1.492	*0.472*			-0.507	*0.297*				
Salvelinus			-1.273	*0.339*								
Scenedemus	1.794	*0.181*										
Selenastrum	0.930	*0.227*										
Simocephalus			-4.653	*0.978*					-2.053	*0.701*		
Stizostedion			-1.233	*0.723*								
Streptocephalus			-1.198	*0.996*								
Syngnathus			-1.290	*0.976*								
Tanytarsus	1.910	*0.269*										
Tetrahymena	1.803	*0.304*										
Tilapia											0.883	*0.523*
Uca											3.052	*0.523*
Xenopus	1.714	*0.356*										

Table A.3.2. Abraham solvent Coefficients for the MLR analysis of 11 MoA for the Target Site Model. Parameters include e, s, a, b, v, CTSC for applicable organisms, and associated standard errors. Coefficients for Ester Narcosis, Diphenyl sodium channel modulation, Uncoupling oxidative phosphorylation, oxidative phosphorylation inhibition and alkylation.

Variables	**Ester**	***Ester SE***	**Diphenyl sodium channel modulation**	***Diphenyl sodium channel modulation SE***	**Uncoupling oxidative phosphorylation**	***Uncoupling oxidative phosphorylation SE***	**Oxidative phosphorylation inhibition**	***Oxidative phosphorylation inhibition SE***	**Alkylation**	***Alkylation SE***
e [-]	1.426	*0.198*					-0.965	*0.308*		
s [-]			-4.938	*0.932*			1.608	*0.369*	2.405	*0.900*
a [-]	-3.362	*1.510*					-2.905	*1.057*		
b [-]	-2.437	*0.343*	-3.167	*0.183*	-2.725	*0.266*			-2.580	*1.258*
v [-]	1.383	*0.145*	5.875	*0.636*	2.245	*0.079*	0.496	*0.159*	0.922	*0.515*
Americamysis			-0.845	*0.228*			-3.420	*0.738*		
Carassius							-3.019	*1.046*		
Cyprinodon							-2.313	*0.702*		
Danio										
Daphnia	0.487	*0.254*							0.581	*0.488*

Fundulus							-3.202	*0.873*		
Gambusia							-2.995	*1.046*		
Gammarus			-1.064	*0.184*			-4.371	*1.046*		
Ictalurus							-2.831	*0.660*		
Lagodon			-1.187	*0.312*	-0.819	*0.485*	-2.830	*1.061*		
Leiostomus							-2.912	*1.046*		
Lepomis							-2.600	*0.685*		
Micropterus							-2.894	*1.046*		
Mugil			-1.062	*0.312*						
Neopanope					1.161	*0.483*				
Oncorhynchus					-0.716	*0.285*	-2.911	*0.555*		
Orconectes			-1.495	*0.222*						
Palaemonetes			-0.883	*0.184*	1.087	*0.485*	-1.787	*0.795*		
Penaeus			-0.886	*0.312*			-2.021	*0.651*		
Perca							-3.672	*1.046*		
Pimephales							-3.686	*0.775*		
Polyodon							-5.274	*1.046*		
Pomoxis							-2.743	*1.046*		
Salvelinus					-1.278	*0.483*				
Tilapia			0.322	*0.222*						

Appendix B

PREDICTING MODES OF TOXIC ACTION FROM FEATURE WEIGHTED k-NEAREST NEIGHBORS METHODOLOGY

B.1 Equations Used in Distance Weighting k-NN Calculations. R Statistical Program Function *kknn*()

B.2 Compounds Associated with the Training Database for the k-NN Classification Analysis

B.3 Compounds Associated with the Test Database for the k-NN Classification Analysis

B.1 Equations Used in Distance Weighting k-NN Calculations. R Statistical Program Function *kknn*() with Triangular Kernel estimations.[83]

Weighted k-Nearest-Neighbor classification (wkNN)

1. Let $L = \{(y_i, x_i), i = 1, \ldots, n_L\}$ be a learning set of observations x_i with given class membership y_i and let x be a new observation, whose class label y has to be predicted.

2. Find the $k + 1$ nearest neighbors to x according to a distance function $d(x, x_i)$.

3. The $(k + 1)$th neighbor is used for standardization of the k smallest distances via
$$D_{(i)} = D(x, x_{(i)}) = \frac{d(x, x_{(i)})}{d(x, x_{(k+1)})} \quad .$$

4. Transform the normalized distances $D_{(i)}$ with any kernel function $K(.)$ into weights $w_{(i)} = K(D_{(i)})$. triangular kernel $(1 - |d|) \cdot \mathrm{I}(|d| \leq 1)$

5. As prediction for the class membership y of observation x choose the class, which shows a weighted majority of the k nearest neighbors
$$\hat{y} = \max_r \left(\sum_{i=1}^{k} w_{(i)} I(y_{(i)} = r) \right) \quad .$$

B.2 Compounds Associated with the Training Database for the k-NN Classification Analysis

Table B.2. Compounds associated with the training database for k-NN analysis. CAS number, applied MoA, and Abraham parameters are included.

Chemical	CAS No.	Specific MoA	E	S	A	B	V
tributyltin	688-73-3	Oxidative phosphorylation inhibition	-0.117	0.174	0	0.0726	1.7768
bromoform	75-25-2	Nonpolar	0.884	0.7297	0.1173	0.0055	0.7745
1,1-bis(p-bromophenyl)-2,2,2-trichloroethane	2990-17-2	Diphenyl sodium channel modulation	2.1239	1.6756	0	0.2154	2.3232
bromocyclohexane	108-85-0	Nonpolar	0.5243	0.4862	7.00E-04	0.0459	1.0204
tribromoethene	598-16-3	Nonpolar	1.0537	0.8871	0	0.1082	0.8724
1-bromopropane	106-94-5	Nonpolar	0.3088	0.402	7.00E-04	0.0326	0.7063
1-bromobutane	109-65-9	Nonpolar	0.307	0.4063	7.00E-04	0.0357	0.8472
1-bromohexane	111-25-1	Nonpolar	0.3035	0.4151	7.00E-04	0.0419	1.129
isodrin	465-73-6	Alicyclic GABA antagonism	2.0096	1.2035	0	0.4269	2.0134
tetrachloroethylene	127-18-4	Nonpolar	0.6	0.73	0	0.12	0.837
3-chloro-2-methylpropene	563-47-3	Nonpolar	0.2268	0.3249	7.00E-04	0.1024	0.7516
2,5-dimethyl-2,4-hexadiene	764-13-6	Nonpolar	0.27	0.28	0	0.21	1.1498
1,5,9-cyclododecatriene	676-22-2	Nonpolar	0.6674	0.6005	0	0.227	1.5618
cyclohexene	110-83-8	Nonpolar	0.3662	0.3769	0	0.0819	0.8024
1,3 dichloropropene	542-75-6	Alkylation	0.4029	0.5608	7.00E-04	0.0952	0.7331
phenanthrene	85-01-8	Nonpolar	1.99	1.34	0	0.23	1.4544
1,2,3,4-tetrachlorobenzene	634-66-2	Nonpolar	1.0681	1.0208	0	0	1.206
1,2,3-trichlorobenzene	87-61-6	Nonpolar	0.95	0.92	0	0.04	1.0836

acenaphthene	83-32-9	Nonpolar	1.53	0.99	0	0.15	1.2586
pentachloroethane	76-01-7	Nonpolar	0.75	0.67	0.09	0.13	1.0024
isamidofos	66602-87-7	Organophosphate	1.2509	2.7776	0.1339	1.6899	2.5444
pxylene	106-42-3	Nonpolar	0.6051	0.5768	0	0.1166	0.9982
1-methyl-4-(1-methylethyl)-benzene	99-87-6	Nonpolar	0.6113	0.5697	0	0.1504	1.28
o-(2-propynyloxy)phenyl methylcarbamate	3279-46-7	Carbamate	1.1293	1.6174	0.2983	0.912	1.5678
toluene	108-88-3	Nonpolar	0.5808	0.6344	0	0.1159	0.8573
isopropylbenzene	98-82-8	Nonpolar	0.587	0.6273	0	0.1497	1.1391
amylbenzene	538-68-1	Nonpolar	0.5737	0.6519	0	0.1283	1.4209
chlorobenzene	108-90-7	Nonpolar	0.7038	0.772	0	0.1123	0.8388
2-chloroethanol	107-07-3	Alkylation	0.329	0.5883	0.3849	0.3054	0.5715
bromethalin	63333-35-7	Uncoupling oxidative phosphorylation	2.5257	2.8336	0	0.433	2.632
picrotin	21416-53-5	Alicyclic GABA antagonism	1.8353	4.0035	0.6253	2.0018	2.004
moxidectin	113507-06-5	GABA agonism	2.6043	2.0931	0.4978	2.7415	5.0473
noviflumuron	121451-02-3	Inhibition of chitin biosynthesis, type 0	1.3259	1.9666	0.7872	0.9414	2.7216
coroxon	321-54-0	Organophosphate	1.3756	1.6423	0	1.6601	2.3282
butacarb	2655-19-8	Carbamate	0.844	1.1135	0.2132	0.7352	2.2996
4-bromo-2-fluoro-6-nitrophenol	320-76-3	Uncoupling oxidative phosphorylation	1.1657	1.3877	0.2827	0.2774	1.1419
5-bromo-2-hydroxybenzyl-alcohol	2316-64-5	Polar	1.3653	1.2419	0.9829	0.79	1.1497
acrinathrin	101007-06-1	Pyrethroid sodium channel modulation	1.3008	2.2579	0.0889	1.2938	3.4721
fenpyroximate	111812-58-9	Mitochondrial complex I Electron Transport inhibition	2.2619	2.183	0	1.5013	3.2686
niclosamide	50-65-7	Uncoupling oxidative phosphorylation	2.1747	2.6728	0.7694	0.7767	2.0583
2,2’-methylenebis(4-chlorophenol)	97-23-4	Polar	1.9111	1.743	1.3404	0.7262	1.8273
m-nitroaniline	99-09-2	Nonpolar	1.1286	1.6512	0.2955	0.5274	0.9904

tebufenozide	112410-23-8	Ecdysone receptor agonists	1.8399	2.6313	0.2553	1.4252	2.9642
cyclanilide	113136-77-9	Nonpolar	1.5431	2.1117	1.0369	0.9537	1.747
acetamiprid	135410-20-7	nAChR agonism	1.2876	1.4616	0	1.2259	1.6726
propaphos	7292-16-2	Organophosphate	1.2094	1.2869	0	1.4332	2.3056
cimecticarb	95266-40-3	Ester	1.2319	2.0011	0.3126	1.3783	1.8446
menadione	58-27-5	Alkylation	1.3701	1.7026	0	0.7892	1.3007
benzylamine	100-46-9	Polar	0.7799	0.9544	0.2107	0.6592	0.9571
triphenylphosphineoxide	791-28-6	Nonpolar	1.8749	1.602	0	0.839	2.1953
sd 8339	2312-73-4	Nonpolar	2.4996	2.2386	0.1297	1.255	2.3262
dialifos	10311-84-9	Organophosphate	2.2868	2.2589	7.00E-04	1.5958	2.6376
2-(1-naphthyl)-1,3-indandione	1786-03-4	Anticoagulation	2.5397	2.4251	0	0.8787	2.0387
tcmtb	21564-17-0	Cyanate/nitrile	2.2289	2.0039	0	0.7802	1.5916
benzothiazole	95-16-9	Nonpolar	1.3358	1.2056	0	0.3515	0.969
chlorphoxim	14816-20-7	Organophosphate	1.6771	1.5466	0	1.2652	2.299
chlorophacinone	3691-35-8	Anticoagulation	2.7598	3.1311	0	1.2444	2.6974
triamiphos	1031-47-6	Organophosphate	1.9689	3.3394	0.2266	1.793	2.2293
pyridate	55512-33-9	Nonpolar	2.0208	1.9566	0	0.9911	2.8704
thiocyclam	31895-21-3	Nicotinic acetylcholine receptor (NACHR) channel blocking	1.4219	0.891	0	0.9151	1.2948
biopermethrin	51877-74-8	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
2-butyn-1-ol	764-01-2	Alkylation	0.3513	0.5852	0.3126	0.3802	0.6449
picrotoxinin	17617-45-7	Alicyclic GABA antagonism	1.7522	3.798	0.3126	1.7582	1.9023
3’-aminoacetophenone	99-03-6	Polar	1.0939	1.5198	0.2266	0.738	1.1137
1-benzoylacetone	93-91-4	Nonpolar	0.9999	1.6314	0	0.7328	1.3114
cinerin ii	121-20-0	Pyrethroid sodium channel modulation	1.153	1.7252	0	1.3553	2.8858
jasmolin ii	1172-63-0	Pyrethroid sodium channel modulation	1.1512	1.7296	0	1.3584	3.0267
tebuconazole	107534-96-3	Nonpolar	1.6656	1.7596	0.3126	0.928	2.4113
3-tert-butylphenol	585-34-2	Polar	0.79	0.79	0.5	0.43	1.3387

fenbutatin oxide	12684-28-5	Inhibition of mitochondrial ATP synthase	2.9277	2.6406	0	1.0994	7.1505
halfenprox	111872-58-3	Pyrethroid sodium channel modulation	1.9144	1.915	0	0.8949	3.1637
barthrin	70-43-9	Pyrethroid sodium channel modulation	1.4278	1.4805	0	0.9399	2.4612
jasmolin i	4466-14-2	Pyrethroid sodium channel modulation	1.0889	1.3297	0	1.0278	2.8114
flucythrinate	70124-77-5	Pyrethroid sodium channel modulation	1.8954	2.5829	0.0887	1.2419	3.3
isazophos-methyl	42509-83-1	Organophosphate	1.5467	1.4394	0	1.2662	1.8663
2,4-d isopropyl ester	94-11-1	Ester	0.9447	1.366	0	0.6137	1.7988
chlorfenethol	80-06-8	Diphenyl sodium channel modulation	1.6608	1.3781	0.3126	0.696	1.9095
cevadine	62-59-9	Pyrethroid sodium channel modulation	3.0717	2.6069	1.4934	3.3538	4.3993
deltamethrin	52918-63-5	Pyrethroid sodium channel modulation	2.4178	2.6373	7.00E-04	1.1147	3.0785
cyfluthrin	68359-37-5	Pyrethroid sodium channel modulation	1.9486	2.4449	7.00E-04	1.1073	2.9909
permethrin	52645-53-1	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
d-trans allethrin (bioallethrin)	584-79-2	Pyrethroid sodium channel modulation	1.0605	1.2795	0	1.0092	2.5296
terbacil	5902-51-2	Nonpolar	0.9716	1.4577	0.161	1.0152	1.5785
cyantraniliprole	736994-63-1	Ryanodine receptor modulation	3.4643	4.122	0.671	2.0079	2.9575
methoxyfenozide	161050-58-4	Hydrazine	1.9054	2.7238	0.2553	1.6351	3.0229
4-(methylformamido)-3,5-xylyl methylcarbamate	10233-94-0	Carbamate	1.2642	2.0462	0.2132	1.2255	1.8515
dimethenamid	87674-68-8	Nonpolar	1.0666	1.537	7.00E-04	0.9126	2.0649
[1r-(1a,4a beta,4b alpha,7 alpha,10a alpha)]-7-ethenyl-1,2,3,4,4a,4b,5,6,7,8,10,10a-dodecahydro-1,4a,7-trimethyl-1-phenanthrenecarboxylic acid	5835-26-7	Nonpolar	1.0079	0.8217	0.5715	0.6309	2.5892
binapacryl	485-31-4	Uncoupling oxidative phosphorylation	1.3403	2.1691	0	0.7666	2.3643
1-nonylphenol polyglycol(10eo)ether	9016-45-9	Nonpolar	1.0117	1.6353	0.2277	1.6019	3.7457
sodium laurate	629-25-4	Nonpolar	0.1571	0.6582	0.5715	0.3882	1.8738

alkylbenzene sulphonate, linear (c11)	27636-75-5	Nonpolar	0.8728	1.7636	0.3126	0.9155	2.6059
alkylbenzene sulphonate, linear (c13)	26248-24-8	Nonpolar	0.8693	1.7723	0.3126	0.9217	2.8877
linear alcohol ethoxylate (c11-15-eo9)	27306-79-2	Nonpolar	0.2604	0.6013	0.2277	0.6564	2.4804
fatty alcohol (c12-14) polyglycol(30eo)ether	68439-50-9	Nonpolar	0.0245	0.3806	0	0.2793	2.1399
linear alcohol ethoxylate (c10-12-eo6)	9002-92-0	Nonpolar	0.4076	1.2454	0.2277	1.5244	3.5606
prosulfocarb	52888-80-9	Nonpolar	1.2412	1.6926	0	0.8725	2.1226
trifluralin	1582-09-8	Di/trinitroaromatic	0.9875	1.8423	0	0.5522	2.2037
4,7-dithiadecane	22037-97-4	Nonpolar	0.6834	0.5033	0	0.3015	1.5628
profenofos	41198-08-7	Organophosphate	1.5842	1.4163	0	1.1454	2.2625
ethoprophos	13194-48-4	Organophosphate	0.8699	0.6998	0	1.0615	1.8848
n,n-diethylacetamide	685-91-6	Nonpolar	0.3282	1.0672	0	0.6506	1.0695
napropamide	15299-99-7	Nonpolar	1.6666	1.9991	0	1.041	2.2459
thiobencarb	28249-77-6	Nonpolar	1.3921	1.7639	0	0.8634	1.9632
diethylbenzylmalonate	607-81-8	Ester	0.7062	1.4403	0	0.8202	1.9924
methyl acetoxon	2088-72-4	Organophosphate	0.6331	1.0894	0	1.4686	1.5726
acetophos	2425-25-4	Organophosphate	0.6295	1.0981	0	1.4748	1.8544
spirotetramat	203313-25-1	Inhibition of acetyl COA carboxylase	1.5291	2.138	0.2553	1.5104	2.877
n,n-bis(2,2-diethoxyethyl) methylamine	6948-86-3	Nonpolar	0.3325	0.986	0	1.4608	2.2749
etrimfos	38260-54-7	Organophosphate	1.3234	1.2488	0	1.5003	2.0825
amiton	78-53-5	Organophosphate	0.7304	0.8893	0	1.6458	2.1616
parathion	56-38-2	Organophosphate	1.4484	1.6062	0	1.0347	1.9984
dithicrofos	41219-31-2	Organophosphate	2.22	1.3186	0	0.9762	2.529

demeton-s-methylsulphon	17040-19-6	Organophosphate	0.6689	1.6057	0	1.677	1.7791
ethiprole	181587-01-9	Pyrazole GABA antagonism	2.3278	3.3258	0.2955	1.4372	2.3411
oxydeprofos	2674-91-1	Organophosphate	1.095	1.8774	0	1.8559	1.8613
empc	18809-57-9	Carbamate	1.2072	1.4653	0.2132	0.7665	1.6177
ethiofencarb	29973-13-5	Carbamate	1.2015	1.4385	0.2132	0.7798	1.7586
thiometon	640-15-3	Organophosphate	1.2509	0.7288	0	0.8955	1.7665
tributyltin chloride	1461-22-9	Oxidative phosphorylation inhibition	-0.1013	0.2724	0	0.0839	1.8992
methyl chloride	74-87-3	Nonpolar	0.13	0.31	0	0.03	0.3719
technical chlordane	12789-03-6	Alicyclic GABA antagonism	2.0155	1.3145	0.0014	0.4528	2.128
6-chloro-2,4-dinitrophenol	946-31-6	Uncoupling oxidative phosphorylation	1.2856	1.7416	0.1144	0.3582	1.2459
akton	1757-18-2	Organophosphate	1.7299	1.42	0	1.0067	2.4302
cypermethrin	52315-07-8	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
(+)-theta-cypermethrin	65732-07-2	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
dienochlor	2227-17-0	Alicyclic GABA antagonism	2.1768	1.6306	0	0.5251	2.3524
sulfentrazone	122836-35-5	Nonpolar	1.9438	2.4704	0.5057	1.4237	2.2451
chlordane	5103-74-2	Alicyclic GABA antagonism	2.0155	1.3145	0.0014	0.4528	2.128
valifenalate	283159-90-0	Ester	1.3782	2.665	0.4685	1.6721	3.0346
4-chlorobiphenyl	2051-62-9	Nonpolar	1.534	1.2425	0	0.2089	1.4466
(±)-indoxacarb	144171-61-9	Sodium channel blocking	2.193	2.4057	0	1.9354	3.2295
2-chlorobiphenyl	2051-60-7	Nonpolar	1.534	1.2425	0	0.2089	1.4466
diflovidazin	162320-67-4	Mite growth inhibition	2.3356	1.8971	0	0.6472	1.9252
azamethiphos	35575-96-3	Organophosphate	1.8361	1.9566	0	1.8753	1.9711
endosulfan sulfate	1031-07-8	Alicyclic GABA antagonism	1.7852	2.211	0	1.2321	2.1406
photodieldrin	13366-73-9	Alicyclic GABA antagonism	2.3521	1.3397	7.00E-04	0.6511	1.9409
1,2,3-trichloropropane	96-18-4	Nonpolar	0.57	0.62	0	0.17	0.8985
1-chloropropane	540-54-5	Nonpolar	0.1258	0.3201	7.00E-04	0.0324	0.6537
pirimicarb	23103-98-2	Carbamate	1.224	1.5366	0	1.2653	1.8945

1-methylpiperazine	109-01-3	Nonpolar	0.4981	0.6438	0.1609	0.9402	0.9041
carbanolate	671-04-5	Carbamate	1.0125	1.303	0.2132	0.6348	1.5766
xmc	2655-14-3	Carbamate	0.8856	1.2206	0.2132	0.6478	1.4542
m-cumenylmethylcarbamate	64-00-6	Carbamate	0.8674	1.271	0.2132	0.6809	1.5951
oxamyl	23135-22-0	Carbamate	1.0997	1.7938	0.2132	1.46	1.6049
fluoxastrobin	361377-29-9	Nonpolar	2.5978	2.292	0	1.9713	2.9928
mevinphos	7786-34-7	Organophosphate	0.4616	1.1384	0	1.6367	1.5657
halosulfuron methyl	100784-20-1	Ester	2.4516	3.5162	0.7458	2.373	2.7177
primisulfuron-methyl	86209-51-0	Ester	1.7242	3.0576	0.9217	2.0102	2.7049
2-nitroanisole	91-23-6	Polar	0.89	1.36	0	0.43	1.0902
3,5-dimethoxyphenol	500-99-2	Polar	0.881	1.0758	0.499	0.7309	1.1743
metalaxyl	57837-19-1	Ester	1.063	1.8705	0	1.3034	2.2331
tetrachlorvinphos (mixed isomers)	961-11-5	Organophosphate	1.502	1.5967	0	1.3037	2.166
dimethylvinphos	2274-67-1	Organophosphate	1.3712	1.4831	0	1.3269	2.0436
iodofenphos	18181-70-9	Organophosphate	2.0397	1.4532	0	0.7916	2.0454
cyanophos	2636-26-2	Organophosphate	1.355	1.5099	0	1.0763	1.6971
dicapthon	2463-84-5	Organophosphate	1.5788	1.68	0	1.0155	1.839
quinalphos-methyl	13593-08-3	Organophosphate	1.9698	1.4806	0	1.3707	1.8292
chlorpyrifos-methyl	5598-13-0	Organophosphate	1.5942	1.4374	0	1.0542	1.8685
carbophenothion-methyl	953-17-3	Organophosphate	1.9802	1.2919	0	0.9623	2.074
methamidophos	10265-92-6	Organophosphate	0.4537	1.5549	0.2107	0.9425	0.9757
2-fluorophenol	367-12-4	Polar	0.6807	0.8739	0.499	0.382	0.7927
1,1-dichloro-1,2,2,2-tetrafluoroethane	374-07-2	Nonpolar	-0.0683	0.0692	0	0	0.7056
ttfp	2338-29-6	Uncoupling oxidative phosphorylation	1.5115	1.469	0.3454	0.297	1.5886
pyridalyl	179101-81-6	Compounds of unknown or uncertain MOA	1.5888	1.9108	0	0.9318	2.9449

triflumizole	68694-11-1	Nonpolar	1.2208	1.3563	0	0.8231	2.2802
cyflumetofen	400882-07-7	Mitochondrial Complex II electron transport inhibition	1.2914	2.3096	0	1.2035	3.2304
chlorfluazuron	71422-67-8	Inhibition of chitin biosynthesis, type 0	2.1895	2.7434	0.6988	1.2436	3.0585
hfc-134a	811-97-2	Nonpolar	-0.3007	-0.0395	0.0883	0	0.4608
chlorothalonil	1897-45-6	Cyanate/nitrile	1.4338	1.9913	0	0.2838	1.5154
1,6-dicyanohexane	629-40-3	Nonpolar	0.3613	1.2963	0.0014	0.3921	1.2634
3,3'-oxydipropionitrile	1656-48-0	Nonpolar	0.4043	1.442	0.0014	0.5983	1.0403
bromonitrostyrene	7166-19-0	Nonpolar	1.2381	1.442	0	0.4128	1.3044
1-methyl-4-nitrobenzene	99-99-0	Nonpolar	0.8503	1.2045	0	0.2129	1.0315
1,3,5-triazine, hexahydro-1,3,5-trinitro-	121-82-4	Di/trinitroaromatic	1.3818	2.4119	0	2.1306	1.2447
9-vinylcarbazole	1484-13-5	Alkylation	2.0735	1.4072	0	0.4169	1.5542
3-cyano-4,6-dimethyl-2-hydroxypyridine	769-28-8	Polar	1.0489	1.4	0.499	0.8189	1.1705
pyramat	2532-49-2	Carbamate	0.9755	1.4277	0	1.1137	1.7947
n,n-bis(1-methylpropyl)-1,4-benzenediamine	101-96-2	Nonpolar	1.0101	1.1371	0.2595	0.7594	2.0432
irgarol 1051	28159-98-0	Nonpolar	1.6909	1.298	0.2595	1.089	1.9748
l-nicotine	54-11-5	nAChR agonism	1.0066	1.0311	0	0.9086	1.371
1,3,5-triethylhexahydro-s-triazine	7779-27-3	Nonpolar	0.7105	0.8253	0	1.5048	1.5675
n,n-diphenyl-guanidine	102-06-7	Nonpolar	1.8228	1.551	0.3904	0.9249	1.7215
1-(2-chloroethyl)-pyrrolidine	7250-67-1	Nonpolar	0.5001	0.5982	7.00E-04	0.5104	1.0676
lythidathion	2669-32-1	Organophosphate	2.0002	1.7241	0	1.848	2.0298
cyprazine	22936-86-3	Nonpolar	1.4766	1.3167	0.3628	0.8929	1.6519
nifurpirinol	13411-16-0	Nonpolar	1.6502	1.9265	0.3126	1.1017	1.7156
2-methoxy-3,5,6-trichloropyridine	31557-34-3	Polar	1.0321	1.1988	0	0.4509	1.2421

chlorsulfuron	64902-72-3	Nonpolar	2.2192	2.8935	0.7458	1.7549	2.3009
o,o-diethyl s-(4,6-dimethyl-2-pyrimidinyl) phosphorodithioate	333-40-4	Organophosphate	1.6087	1.1052	0	1.2582	2.1286
2-eeebc	62732-91-6	Carbamate	1.7115	2.1906	0.7118	1.4301	2.1832
imazethapyr acid	81335-77-5	Nonpolar	1.5853	1.6791	0.8269	1.6106	2.2224
2-dimethylaminopyridine	5683-33-0	Nonpolar	0.8584	0.9758	0	0.6458	1.0569
4-hydroxybenzamide	619-57-8	Polar	1.2244	1.7575	1.1502	0.9344	1.0315
2,3-dimethylaniline	87-59-2	Polar	0.9078	0.966	0.2266	0.4318	1.098
2-bromoaniline	615-36-1	Polar	1.1689	1.2454	0.2266	0.4177	0.9912
3,4-dimethylaniline	95-64-7	Polar	0.9078	0.966	0.2266	0.4318	1.098
3,4-dichloroaniline	95-76-1	Polar	1.1169	1.2611	0.3523	0.3483	1.061
3,5-dinitroaniline	618-87-1	Uncoupling oxidative phosphorylation	1.3981	2.2213	0.3471	0.6243	1.1646
a,a,a-4-tetrafluoro-m-toluidine	2357-47-3	Nonpolar	0.4422	0.8527	0.3523	0.3088	1.0275
3benzyloxyaniline	1484-26-0	Polar	1.4751	1.6293	0.2266	0.6766	1.6236
1-pentanamine	110-58-7	Amine	0.2002	0.5068	0.2107	0.5824	0.9129
1-hexanamine	111-26-2	Amine	0.1984	0.5112	0.2107	0.5855	1.0538
triclosan	3380-34-5	Polar	1.7281	1.6951	0.4654	0.4087	1.8088
2-ethoxyphenol	94-71-3	Polar	0.7641	0.9691	0.2746	0.4744	1.1156
4-ethoxyphenol	622-62-8	Polar	0.8499	1.035	0.499	0.5948	1.1156
4-butoxyphenol	122-94-1	Polar	0.8464	1.0437	0.499	0.601	1.3974
1,4-dimethoxybenzene	150-78-7	Nonpolar	0.688	0.9169	0	0.5311	1.1156
2,2-oxybisethanol	111-46-6	Nonpolar	0.5117	0.776	0.4765	0.9664	0.8483
dimethyl chlorothiophosphate	2524-03-0	Organophosphate	0.6915	0.5499	0	0.6295	0.9983
triphenyltin hydroxide	76-87-9	Oxidative phosphorylation inhibition	1.7182	1.7456	0.3126	0.5909	1.9681
2-hydroxyacetophenone	118-93-4	Polar	0.9523	1.1566	0.1328	0.3751	1.0726
2,4-dimethyl-3-pentanone	565-80-0	Nonpolar	0.2291	0.6559	0	0.4043	1.1106
4-hydroxybenzophenone	1137-42-4	Polar	1.5932	1.8019	0.6636	0.7826	1.5395
2,5-hexanedione	110-13-4	Nonpolar	0.4237	1.1751	0	0.6498	0.9854

5-nonanone	502-56-7	Nonpolar	0.21	0.7	0	0.36	1.3924
cyclohexanone	108-94-1	Polar	0.42	0.77	0	0.32	0.8611
2-nonanone	821-55-6	Nonpolar	0.21	0.7	0	0.36	1.3924
2-decanone	693-54-9	Nonpolar	0.2	0.7	0	0.36	1.5333
2-dodecanone	6175-49-1	Nonpolar	0.2008	0.7094	0	0.3646	1.8151
phenylbutazone	50-33-9	Uncoupling oxidative phosphorylation	2.1456	2.4486	0	1.6254	2.4329
5,5-dimethylhydantoin	77-71-4	Nonpolar	0.7941	1.1177	0.4422	0.9691	0.9355
n-(4-chlorophenyl)-n-(3,4-dichlorophenyl)urea	101-20-2	Nonpolar	2.0039	2.2291	0.7716	0.7065	2.0476
3-acetamidophenol	621-42-1	Polar	1.0987	1.6195	0.9077	0.885	1.1724
dimethoate	60-51-5	Organophosphate	1.2193	1.4417	0.2553	1.3224	1.5776
3-hydroxybenzoic-acid	99-06-9	Polar	0.9768	1.2857	1.0623	0.717	0.9904
propionic acid	79-09-4	Nonpolar	0.1731	0.6189	0.5715	0.3603	0.6057
2,4-d acid	94-75-7	Nonpolar	1.0448	1.4139	0.5715	0.5767	1.3761
pyrethrin ii	121-29-9	Pyrethroid sodium channel modulation	1.2751	1.7869	0	1.4093	2.9837
carbamic acid, methyl-, 2-chlorophenyl ester	3942-54-9	Carbamate	0.9638	1.4182	0.2132	0.6335	1.2948
cyclohexyl acrylate	3066-71-5	Acrylate	0.4027	0.7283	0	0.4339	1.2995
dimethyl phthalate	131-11-3	Ester	0.7297	1.3767	0	0.7777	1.4288
furethrin	17080-02-3	Pyrethroid sodium channel modulation	1.2951	1.5562	0	1.0766	2.7185
diethyl phthalate	84-66-2	Ester	0.7262	1.3854	0	0.7839	1.7106
propanoic acid, ethyl ester	105-37-3	Ester	0.0651	0.5824	0	0.3666	0.8875
2,3(and 3,4)-dichlorobenzyl methylcarbamate	62046-37-1	Carbamate	1.1094	1.5026	0.2132	0.6337	1.5581
butyl acetate	123-86-4	Ester	0.0633	0.5868	0	0.3697	1.0284
thiofanox	39196-18-4	Carbamate	0.7518	0.8599	0.2132	0.8922	1.7712
coumafuryl	117-52-2	Anticoagulation	1.7633	2.1575	0.3126	1.2631	2.1276
kadenthrin	58769-20-3	Pyrethroid sodium channel modulation	2.1216	2.1242	0	1.1546	2.9692

acetaldehyde	75-07-0	Carbonyl	0.2398	0.7225	0	0.3176	0.4061
4-(diethylamino)salicylaldehyde	17754-90-4	Nonpolar	1.1884	1.4252	0.1328	0.6513	1.5951
benzaldehyde	100-52-7	Carbonyl	0.8142	1.1832	0	0.4037	0.873
dicloran	99-30-9	Polar	1.3722	1.8012	0.2834	0.4505	1.2352
diethyleneglycol dinitrate	693-21-0	Nonpolar	0.4165	1.4731	0	0.5091	1.1967
mipafox	371-86-8	Organophosphate	-0.0857	1.6319	0.2678	0.9555	1.4345
diamidafos	1754-58-1	Organophosphate	0.6142	2.2685	0.2678	1.2233	1.5198
endothion	4/3/2778	Organophosphate	1.3353	1.6785	0	2.0138	1.8594
demeton-s-methyl	919-86-8	Organophosphate	0.9129	0.8455	0	1.2677	1.6617
phosfolan	947-02-4	Organophosphate	1.2938	0.8104	0	1.3995	1.7508
schradan	152-16-9	Organophosphate	0.1004	3.3331	0	2.2516	2.2203
phenyl sulfoxide	945-51-7	Nonpolar	1.6733	2.29	0	0.8862	1.5464
benzyl sulfoxide	621-08-9	Nonpolar	1.6697	2.2987	0	0.8924	1.8282
2,2,5,5-tetramethyltetrahydrofuran	15045-43-9	Nonpolar	0.2153	0.3082	0	0.306	1.1859
2,5-dimethylfuran	625-86-5	Nonpolar	0.3875	0.4545	0	0.1518	0.8181
ivermectin b1a	71827-03-7	GABA agonism	3.2438	3.2111	0.683	4.2253	6.7184
furan	110-00-9	Nonpolar	0.3387	0.5696	0	0.1505	0.5363
6-chloropicolinic acid	4684-94-0	Nonpolar	0.9403	1.2852	0.642	0.7244	1.013
naptalam	132-66-1	Nonpolar	2.3773	2.5903	0.9802	1.1398	2.1649
flufenamic acid	530-78-9	Uncoupling oxidative phosphorylation	1.2637	1.356	0.7183	0.5855	1.833
2,3-dimethylphenol	526-75-0	Polar	0.8327	0.7874	0.499	0.3902	1.0569
2,4,6-tribromophenol	118-79-6	Polar	1.6188	1.1807	0.4177	0.1529	1.3001
4-bromo-2,6-dimethylphenol	5/2/2374	Polar	1.1669	0.9805	0.4828	0.3773	1.2319
4,6-dichlororesorcinol	137-19-9	Polar	1.1007	1.0172	1.0037	0.346	1.0786
phenol, 4,4-thiobis[2-(1,1-dimethylethyl)-5-methyl-	96-69-5	Polar	2.0169	1.3852	0.9981	0.9482	3.0141
2,6-dimethylphenol	576-26-1	Polar	0.8327	0.7874	0.3117	0.3902	1.0569

2,5-dimethylphenol	95-87-4	Polar	0.8327	0.7874	0.499	0.3902	1.0569
4-methylphenol, 2-amino	95-84-1	Polar	1.0775	1.1485	0.5148	0.5463	1.0158
5-methylresorcinol	504-15-4	Polar	1.0155	1.042	0.9981	0.6072	0.9747
1,3,5-trihydroxybenzene	108-73-6	Polar	1.2085	1.3033	1.4971	0.8521	0.8925
1,5-hexadiene-3-ol	924-41-4	Alkylation	0.4582	0.5625	0.3126	0.4477	0.9267
4-tert-octylphenol	140-66-9	Polar	0.7649	0.7424	0.499	0.4801	1.9023
phenol	108-95-2	Polar	0.784	0.9026	0.499	0.3889	0.7751
2,3,5-trichlorophenol	933-78-8	Polar	1.07	1	0.62	0.13	1.1423
2,6-dichlorophenol	87-65-0	Polar	0.93	0.83	0.25	0.19	1.0199
1-naphthol	90-15-3	Polar	1.5	1.23	0.5	0.45	1.1441
bromoxynil	1689-84-5	Uncoupling oxidative phosphorylation	1.4673	1.4769	0.4177	0.3386	1.2798
2,3,5,6-tetrafluorophenol	769-39-1	Uncoupling oxidative phosphorylation	0.3177	0.8011	0.7853	0.1497	0.8455
4-hydroxy-2-methylacetophenone	875-59-2	Polar	1.0431	1.2837	0.6636	0.6971	1.2135
3-ethylphenol	620-17-7	Polar	0.8065	0.8494	0.499	0.3927	1.0569
3,4-dinitrophenol	577-71-9	Uncoupling oxidative phosphorylation	1.323	2.0427	0.861	0.5828	1.1235
6-chloropyridin-2-ol	16879-02-0	Polar	0.9546	1.099	0.6899	0.6139	0.8564
3-fluorophenol	372-20-3	Polar	0.6808	0.8578	0.6899	0.336	0.7927
coumatetralyl	5836-29-3	Anticoagulation	2.006	1.813	0.3126	0.8981	2.1834
benzenemethanol	100-51-6	Nonpolar	0.8035	0.8382	0.3126	0.5293	0.916
1-dodecanol	112-53-8	Nonpolar	0.19	0.49	0.31	0.34	1.8581
2-(octylthio)ethanol	3547-33-9	Nonpolar	0.5374	0.6329	0.3126	0.4572	1.7398
fenthion-ethyl	1716-09-2	Organophosphate	1.5753	1.1039	0	1.0554	2.2695
isopropyl disulfide	4253-89-8	Nonpolar	0.7064	0.4629	0	0.3505	1.281
azinphos-ethyl	2642-71-9	Organophosphate	2.2756	1.7052	0	1.6499	2.3743
decane	124-18-5	Nonpolar	-0.0078	0.2087	0	0.0546	1.5176
cyclopentanol	96-41-3	Nonpolar	0.42	0.53	0.31	0.32	0.7632
p-tert-butyltoluene	98-51-1	Nonpolar	0.58	0.52	0	0.16	1.4209

1,2,4,5-tetramethylbenzene	95-93-2	Nonpolar	0.65	0.46	0	0.12	1.28
2,4-dichlorotoluene	95-73-8	Nonpolar	0.86	0.78	0	0.05	1.1021
2-chloronaphthalene	91-58-7	Nonpolar	1.42	1.1	0	0.17	1.2078

B.3 Compounds Associated with the Test Database for the k-NN Classification Analysis

Table B.3. Compounds associated with the test database for k-NN analysis. CAS number, applied MoA, and Abraham parameters are included.

Chemical	CAS No.	Specific MOA	E	S	A	B	V
potassium cyanide	133708-36-8	Mitochondrial Complex IV electron transport inhibition	0.2965	0.761	0.0852	0.1868	0.2633
sodium cyanide	143-33-9	Oxidative phosphorylation inhibition	0.2965	0.761	0.0852	0.1868	0.2633
thiosultap-sodium	52207-48-4	Nicotinic acetylcholine receptor (NACHR) channel blocking	1.4342	2.9472	0.6253	2.3541	1.9191
chloropicrin	76-06-2	Miscellaneous non-specific (multi-site) inhibition	0.4815	0.8706	0	0.1761	0.7909
1-chloro-3-nitrobenzene	121-7-33	Polar	0.97	1.34	0	0.21	1.013
1-nitronaphthalene	86-57-7	Polar	1.54	1.59	0	0.27	1.2596
dnoc	497-56-3	Uncoupling oxidative phosphorylation	1.3474	1.9852	0.833	0.5835	1.2644
tributyltin fluoride	1983-10-4	Oxidative phosphorylation inhibition	-0.3227	0.1275	0	0.0505	1.7944
methyl bromide	74-83-9	Nonpolar	0.3123	0.3932	7.00E-04	0.0264	0.4245
4-bromo-2,6-dichlorophenol	3217-15-0	Polar	1.2529	1.0169	0.4177	0.1524	1.1949
bromoxynil butyrate	3861-41-4	Ester	1.4217	1.8393	0	0.521	1.8591
4-bromophenyl 3-pyridyl ketone	14548-45-9	Nonpolar	1.7396	1.8833	0	0.7902	1.6147
bromocyclen	1715-40-8	Alicyclic GABA antagonism	1.7136	1.1848	7.00E-04	0.3154	1.885
2-(bromomethyl)-tetrahydro-2h-pyran	34723-82-5	Nonpolar	0.5637	0.6407	7.00E-04	0.2583	1.0791
1,2-dibromoethane	106-93-4	Nonpolar	0.7416	0.6428	0.0014	0.102	0.7404
1-bromoheptane	629-04-9	Nonpolar	0.3017	0.4195	7.00E-04	0.045	1.2699
1-bromooctane	111-83-1	Nonpolar	0.2999	0.4238	7.00E-04	0.0481	1.4108
1-chloro-3-bromopropane	109-70-6	Nonpolar	0.43	0.5439	0.0014	0.0321	0.8287
1ethynylcyclohexanol	78-27-3	Nonpolar	0.6454	0.6665	0.3978	0.3917	1.0999

furamethrin	23031-38-1	Pyrethroid sodium channel modulation	1.0326	1.1067	0.0852	0.7182	2.3457
proparthrin	27223-49-0	Pyrethroid sodium channel modulation	1.057	1.0491	0.0852	0.7188	2.4866
2-bromo-2-(bromomethyl)pentanedinitrile	35691-65-7	Cyanate/nitrile	1.1767	1.6398	0.0014	0.5292	1.3316
4-cyanophenol	767-00-0	Polar	0.9566	1.385	0.6702	0.5336	0.9298
acrylonitrile	107-13-1	Acrylate	0.3113	0.7836	0	0.2557	0.5021
propanenitrile	107-12-0	Nonpolar	0.1874	0.7263	7.00E-04	0.2048	0.5451
methylene bis(thiocyanate)	6317-18-6	Cyanate/nitrile	1.0579	1.5778	0	0.6298	0.8859
hexachlorobutadiene	87-68-3	Alkylation	0.9573	1.0043	0	0.2236	1.3206
2,3-dichloro-1-propene	78-88-6	Polar	0.3498	0.4625	7.00E-04	0.0988	0.7331
1,1-dichloroethylene	75-35-4	Nonpolar	0.35	0.46	0	0.1	0.5922
1,9-decadiene	1647-16-1	Alkylation	0.24	0.3233	0	0.1564	1.4316
cyclethrin	97-11-0	Pyrethroid sodium channel modulation	1.3097	1.4008	0	1.0318	2.7028
(r)-1-methyl-4-(1-methylethenyl)cyclohexene	5989-27-5	Nonpolar	0.4504	0.3222	0	0.2048	1.323
trichloroethylene	79-01-6	Nonpolar	0.5	0.64	0	0.11	0.7146
tralomethrin	66841-25-6	Pyrethroid sodium channel modulation	3.0297	2.8974	0.0014	1.1579	3.4715
malononitrile	109-77-3	Nonpolar	0.3354	1.2028	0.0881	0.3407	0.5589
pentachlorobenzene	608-93-5	Nonpolar	1.199	1.1263	0	0	1.3284
hexachlorobenzene	118-74-1	Nonpolar	1.3299	1.2319	0	0	1.4508
1,2,3,4,5,6-hexachlorocyclohexane	6108-10-7	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
alpha-hexachlorocyclohexane	319-84-6	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
beta-hexachlorocyclohexane	319-85-7	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
delta-hexachlorocyclohexane	319-86-8	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
lindane	58-89-9	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
fluorene	86-73-7	Nonpolar	1.6483	1.13	0	0.1865	1.3565
1-methylnaphthalene	90-12-0	Nonpolar	1.3	0.96	0	0.17	1.2263
pyrene	129-00-0	Nonpolar	2.5998	1.517	0	0.2513	1.5846

3a,4,7,7a-tetrahydro-4,7-methano-1h-indene	77-73-6	Nonpolar	0.9761	0.6037	0	0.2208	1.1058
2,4,5-trichlorotoluene	6639-30-1	Nonpolar	0.986	0.8944	0	0.0309	1.2245
dimethrin	70-38-2	Pyrethroid sodium channel modulation	1.0256	0.9891	0	0.6211	2.4709
2,3,5-trimethacarb	2655-15-4	Carbamate	0.91	1.163	0.2132	0.6484	1.5951
anthracene	120-12-7	Nonpolar	1.9932	1.3397	0	0.2316	1.4544
naphthalene	91-20-3	Nonpolar	1.27	1.02	0	0.17	1.0854
fluoranthene	206-44-0	Nonpolar	2.6	1.52	0	0.25	1.5846
2-chlorotoluene	95-49-8	Nonpolar	0.7282	0.7144	0	0.113	0.9797
1,2-dichlorobenzene	95-50-1	Nonpolar	0.8307	0.8544	0	0.0994	0.9612
biphenyl	92-52-4	Nonpolar	1.3866	1.1625	0	0.2118	1.3242
hexachloroethane	67-72-1	Nonpolar	0.86	0.74	0	0.15	1.1248
1,1,2,2-tetrachloroethane	79-34-5	Nonpolar	0.63	0.6	0.18	0.12	0.88
tau-fluvalinate	102851-06-9	Pyrethroid sodium channel modulation	2.042	2.7006	0.1872	1.2672	3.4811
bioresmethrin	28434-01-7	Pyrethroid sodium channel modulation	1.3562	1.3893	0	0.7448	2.7577
hydroprene	1096-46-2	Juvenile hormone mimics	0.3538	0.7437	0	0.6015	2.4923
5,6,7,8-tetrahydro-1-naphthyl methylcarbamate	1136-84-1	Carbamate	1.0932	1.3163	0.2132	0.6304	1.6274
1,3,5-trimethylbenzene	108-67-8	Nonpolar	0.6295	0.5193	0	0.1173	1.1391
1,4-dicyanobutane	111-69-3	Nonpolar	0.3648	1.2875	0.0014	0.3859	0.9816
1,4-dibromobenzene	106-37-6	Nonpolar	1.221	1.0469	0	0.0996	1.0664
1-ethenyl-4-methyl-benzene	622-97-9	Alkylation	0.7273	0.6385	0	0.1706	1.0961
4-tert-butylstyrene	1746-23-2	Alkylation	0.7065	0.585	0	0.2143	1.5188
ddt	50-29-3	Diphenyl sodium channel modulation	1.758	1.5118	0	0.215	2.218
1,4-dichlorobenzene	106-46-7	Nonpolar	0.8551	0.8832	0	0.0992	0.9612
1,2,4-tribromobenzene	615-54-3	Nonpolar	1.5105	1.1976	0	0.0309	1.2414
34dichlorotoluene	95-75-0	Nonpolar	0.8551	0.7969	0	0.1001	1.1021

1,2,4-trichlorobenzene	120-82-1	Nonpolar	0.9616	0.952	0	0.0302	1.0836
hexane	110-54-3	Polar	0	0.19	0	0.04	0.954
bromobenzene	108-86-1	Nonpolar	0.8868	0.8539	0	0.1125	0.8914
1,2-dichloro-4-methylbenzene	98-87-3	Nonpolar	0.7982	0.8309	0.088	0.1066	1.1021
ethenylbenzene	100-42-5	Alkylation	0.7029	0.696	0	0.1699	0.9552
ethylbenzene	100-41-4	Nonpolar	0.579	0.6388	0	0.119	0.9982
butylbenzene	104-51-8	Nonpolar	0.5755	0.6475	0	0.1252	1.28
1,3-dichlorobenzene	541-73-1	Nonpolar	0.8308	0.8383	0	0.0534	0.9612
ethephon	16672-87-0	Nonpolar	0.6774	0.9029	0.626	1.1291	0.8935
tefluthrin	79538-32-2	Pyrethroid sodium channel modulation	0.357	0.9288	0	0.3614	2.4347
2-chloropropane	75-29-6	Nonpolar	0.1355	0.3043	7.00E-04	0.06	0.6537
2,2-dichloropropane	594-20-7	Nonpolar	0.1968	0.3239	0	0.0303	0.7761
1,1,1-trichloroethane	71-55-6	Nonpolar	0.31	0.44	0	0.01	0.7576
carbon tetrachloride	56-23-5	Nonpolar	0.42	0.55	0	0	0.7391
chloroform	67-66-3	Nonpolar	0.34	0.48	0.12	0	0.6167
flutolanil	66332-96-5	Nonpolar	1.1775	1.7309	0.4086	0.8298	2.2557
bromopropylate	18181-80-1	Compounds of unknown or uncertain MOA	2.0189	1.7153	0.172	1.0601	2.5118
uniconazole-p	83657-17-4	Nonpolar	1.8043	1.7954	0.3126	1.0164	2.3683
cis-methocrotophos	69632-93-5	Organophosphate	0.7457	1.7706	0.2553	2.0813	1.8064
pyresmethrin	24624-58-6	Pyrethroid sodium channel modulation	1.4185	1.7892	0	1.0754	2.973
profluthrin	223419-20-3	Pyrethroid sodium channel modulation	0.6193	1.0145	0	0.4611	2.2595
acetaldoxime	107-29-9	Nonpolar	0.4005	0.3767	0.3126	0.4422	0.5059
cacodylic acid	75-60-5	Arsenical respiratory inhibition	0.1521	0.8588	0.3126	0.5856	0.4637
benthiavalicarb	413615-35-7	Nonpolar	1.967	2.7111	1.04	1.5438	2.4035
selamectin	165108-07-6	GABA agonism	3.2384	2.7089	0.7254	3.5397	5.8946
avermectin b1b	65195-56-4	GABA agonism	3.4015	3.3054	0.683	4.2855	6.5345
doramectin	117704-25-3	GABA agonism	3.6073	3.4055	0.683	4.2712	6.8486

3-chloro-2-chloromethyl-1-propene	1871-57-4	Alkylation	0.348	0.4669	0.0014	0.1019	0.874
dbmib	29096-93-3	Uncoupling oxidative phosphorylation	1.4258	0.652	0	0.859	1.7044
terallethrin	15589-31-8	Pyrethroid sodium channel modulation	0.9042	1.1782	0	0.9306	2.2908
2,6-dichloro-4-fluorophenol	392-71-2	Polar	0.8398	0.8239	0.4177	0.1582	1.0375
2-bromo-4-methylphenol	6627-55-0	Polar	1.0523	0.8614	0.3307	0.2978	1.091
pyraclostrobin	175013-18-0	Nonpolar	2.5185	2.7584	0	1.5653	2.7295
carbosulfan	55285-14-8	Carbamate	1.6132	1.7782	0	1.5625	3.0766
hexylthiofos	41495-67-4	Organophosphate	0.7828	0.7825	0	1.1575	1.9532
prothiofos	34643-46-4	Organophosphate	1.7393	1.2177	0	0.7729	2.3147
pyrazothion	108-35-0	Organophosphate	1.3412	1.2659	0.5259	1.2309	1.785
2-(trifluoromethyl)benzonitrile	447-60-9	Nonpolar	0.391	0.946	0	0.1455	1.0648
pyridine	110-86-1	Polar	0.6	0.82	0	0.4	0.6753
heptenophos	23560-59-0	Organophosphate	1.0916	1.0777	0	1.4023	1.6353
naftalofos	1491-41-4	Organophosphate	2.2354	2.5675	0	2.0787	2.3928
o,o-diethyl o-naphthaloximido phosphorothioate	2668-92-0	Organophosphate	2.5734	2.4507	0	1.7064	2.4976
veratrine	8051-02-3	Pyrethroid sodium channel modulation	2.4992	2.0388	0.8529	2.3443	3.9414
quinothion	22439-40-3	Organophosphate	1.9652	1.4326	0	1.2805	2.293
coumafuryl, sodium salt	34490-93-2	Anticoagulation	1.9919	2.6034	0.3126	1.5369	2.1433
decarbofuran	1563-67-3	Carbamate	1.1236	1.453	0.2132	0.8572	1.5452
fludioxonil	131341-86-1	Nonpolar	1.5753	1.8672	0.31	0.8308	1.5248
2,2’-methylenebis(3,4,6-trichlorophenol)	70-30-4	Polar	2.2133	1.7846	1.3853	0.2717	2.3169
2,3,5,6-tetrachlorophenol	935-95-5	Uncoupling oxidative phosphorylation	1.1395	1.0237	0.5327	0.007	1.2647
norflurazon	27314-13-2	Nonpolar	1.3553	1.5296	0.1339	1.262	1.8575
dimetan	122-15-6	Carbamate	0.8092	1.4712	0	1.0307	1.6968
promacyl	34264-24-9	Carbamate	1.0167	1.4189	0	0.8677	2.3153

oxythioquinox	2439-01-2	Nonpolar	2.5093	1.8528	0	1.0766	1.5191
3,4,5-trichlorophenol	609-19-8	Uncoupling oxidative phosphorylation	1.1483	1.1433	0.9564	0.2148	1.1423
vinclozolin	50471-44-8	Nonpolar	1.5738	1.3803	0	0.9244	1.8449
iprodione	36734-19-7	Nonpolar	1.9001	2.0634	0.161	1.4134	2.1854
ethyl-3-hydroxybenzoate	7781-98-8	Polar	0.8688	1.2493	0.5596	0.7232	1.2722
cyphenothrin	39515-40-7	Pyrethroid sodium channel modulation	1.8058	2.1984	7.00E-04	1.1214	3.0103
diethofencarb	87130-20-9	Nonpolar	0.9627	1.8746	0.3665	1.0733	2.1352
flucybene	3289-22-3	Alicyclic GABA antagonism	0.3574	0.8985	0	0.3967	1.5745
bromadiolone	28772-56-7	Anticoagulation	3.7362	3.069	0.6253	1.5451	3.6004
brodifacoum	56073-10-0	Anticoagulation	3.7489	2.8946	0.3126	1.1088	3.574
1,3-dichloro-2,4-dinitrobenzene	10199-85-6	Nonpolar	1.3699	1.9785	0	0.2473	1.3096
pyridaben	96489-71-3	Oxidative phosphorylation inhibition	1.8661	1.6636	0	1.162	2.8547
5-chlorosalicylaldehyde	635-93-8	Polar	1.1265	1.3202	0.304	0.3428	1.0541
bromuconazole	116255-48-2	Nonpolar	2.1765	2.0564	7.00E-04	0.7653	2.1774
2,4-difluorophenol	367-27-1	Polar	0.5815	0.8603	0.6702	0.3188	0.8103
fluvalinate	69409-94-5	Pyrethroid sodium channel modulation	2.042	2.7006	0.1872	1.2672	3.4811
2-bromo-3-pyridinol	6602-32-0	Polar	1.0716	1.049	0.3307	0.581	0.909
5-fluoro-2-hydroxyacetophenone	394-32-1	Polar	0.8336	1.1528	0.172	0.7013	1.0902
1-chloro-4-nitrobenzene	100-00-5	Nonpolar	0.9734	1.3421	0	0.2093	1.013
4-hydroxyphenylacetic-acid	156-38-7	Polar	0.9751	1.2901	1.0706	0.7201	1.1313
phosphine	115-78-6	Mitochondrial Complex IV electron transport inhibition	0.8411	0.4743	0	0.3941	3.1629
esfenvalerate	66230-04-4	Pyrethroid sodium channel modulation	2.2044	2.6593	7.00E-04	1.1022	3.1876
dimethomorph	110488-70-5	Nonpolar	2.142	2.9698	0	1.5586	2.8547
flumethrin	69770-45-2	Pyrethroid sodium channel modulation	2.5475	2.848	7.00E-04	1.1941	3.5987
hexythiazox	78587-05-0	Mite growth inhibition	2.0529	2.1423	0.161	1.1643	2.566
pyraclofos	89784-60-1	Organophosphate	2.1305	1.9345	0	1.5849	2.5152

flufenacet	142459-58-3	Nonpolar	1.2646	2.1709	0	1.1582	2.2567
flurprimidol	56425-91-3	Nonpolar	1.1504	1.3239	0.3126	1.2384	2.1167
brofluthrinate	160791-64-0	Pyrethroid sodium channel modulation	2.2297	2.776	0.0887	1.229	3.475
silafluofen	105024-66-6	Pyrethroid sodium channel modulation	1.5323	1.66	0	0.7495	3.299
flufenprox	107713-58-6	Pyrethroid sodium channel modulation	1.6865	1.8502	7.00E-04	0.8414	3.1287
ethofenprox	80844-07-1	Pyrethroid sodium channel modulation	1.8706	1.8635	0	0.9796	3.0944
methasulfocarb	66952-49-6	Alkylation	1.3833	2.6623	0.2553	1.4999	1.7577
coumarin	91-64-5	Anticoagulation	1.0344	1.1624	0	0.4869	1.0619
cyclohexanoneoxime	100-64-1	Nonpolar	0.5834	0.4243	0.3126	0.447	0.9609
bufencarb	8065-36-9	Carbamate	0.8639	1.2798	0.2132	0.6871	1.8769
salicylic-acid	8052-31-1	Polar	0.9103	1.101	0.7043	0.3956	0.9904
phenmedipham	13684-63-4	Nonpolar	1.6998	2.1986	0.7329	1.1919	2.2362
benzonitrile	100-47-0	Nonpolar	0.729	1.1744	0	0.26	0.8711
bromophacinone	3691-36-9	Anticoagulation	2.9427	3.213	0	1.2446	2.75
fenbuconazole	114369-43-6	Nonpolar	2.2405	2.5537	0	0.8693	2.5515
protrifenbute	119544-94-4	Pyrethroid sodium channel modulation	2.0557	1.7898	0	0.5447	3.0084
1,1-oxybisbenzene	101-84-8	Nonpolar	1.1947	1.2495	0	0.4144	1.3829
sodium benzenesulfonate	8046-53-5	Nonpolar	0.8662	1.7774	0.3126	0.8838	1.056
cycloprothrin	63935-38-6	Pyrethroid sodium channel modulation	2.4893	2.874	7.00E-04	1.2711	3.401
valone	83-28-3	Anticoagulation	1.4617	2.1342	0	1.0782	1.7821
dithianon	3347-22-6	Cyanate/nitrile	2.7215	3.1305	0	1.4829	1.9264
flavone	525-82-6	Nonpolar	1.7735	1.8214	0	0.7807	1.6697
benzothiazole 2-mercapto	149-30-4	Nonpolar	1.8877	1.456	0.1297	0.4276	1.1325
thiabendazole	148-79-8	Nonpolar	2.2169	1.9417	0.3454	0.7156	1.3967
dibenzofuran	132-64-9	Nonpolar	1.7756	1.2174	0	0.2668	1.2743
warfarin	81-81-2	Anticoagulation	1.981	2.2799	0.3126	1.2279	2.3077
benfuracarb	82560-54-1	Carbamate	1.687	2.1579	0	1.9176	3.151

furathiocarb	65907-30-4	Carbamate	1.7246	2.2954	0	1.6431	2.8692
1-naphthalenemethanol	4780-79-4	Nonpolar	1.5219	1.1621	0.3126	0.5874	1.285
dioxabenzofos	3811-49-2	Organophosphate	1.4196	1.0525	0	0.9055	1.4338
salicylhydrazide	936-02-7	Polar	1.3079	1.7437	0.5989	1.0535	1.1313
cyclohexane	110-82-7	Nonpolar	0.21	0.28	0	0.02	0.8454
benzene	71-43-2	Nonpolar	0.5564	0.6919	0	0.1153	0.7164
azocyclotin	41083-11-8	Inhibition of mitochondrial ATP synthase	1.2088	1.2454	0	0.5634	2.683
benzoximate	9104-30-1	Compounds of unknown or uncertain MOA	1.6613	1.8298	0	1.2535	2.5993
11diphenyl2propyn1ol	3923-52-2	Nonpolar	1.6169	1.396	0.3978	0.7613	1.7196
bifenthrin	82657-04-3	Pyrethroid sodium channel modulation	1.5921	1.4839	0	0.5982	2.9721
alanycarb	83130-01-2	Carbamate	1.9312	2.1325	0	1.9513	2.9985
buprofezin	9327-76-0	Inhibition of chitin biosynthesis, type 1	1.7398	1.5505	0	1.2408	2.4524
thidiazuron	51707-55-2	Nonpolar	1.7236	2.033	0.5892	0.9293	1.5229
cyprodinil	121552-61-2	Nonpolar	1.7454	1.4723	0.1277	0.7013	1.7968
diafenthiuron	60-09-9	Inhibition of mitochondrial ATP synthase	2.1578	1.8581	0.1159	1.1824	3.2529
epbp	3792-59-4	Organophosphate	1.9734	1.5179	0	0.7263	2.3363
bensultap	17606-31-4	Nicotinic acetylcholine receptor (NACHR) channel blocking	2.2119	3.4061	0	2.0624	3.0173
edifenphos	17109-49-8	Nonpolar	2.0259	1.6036	0	1.2214	2.255
dimepiperate	61432-55-1	Nonpolar	1.435	1.7174	0	0.8865	2.1549
pyriprole	394730-71-3	Pyrazole GABA antagonism	2.4641	2.6005	0.2866	1.1487	2.8843
1-(2-aminioethyl)piperazine	140-31-8	Nonpolar	0.6792	0.9787	0.3852	1.4825	1.1448
1,4-bis(3-aminopropyl)piperazine	7209-38-3	Polar	0.9385	1.2916	0.4215	2.1021	1.8082
pyrafluprole	315208-17-4	Pyrazole GABA antagonism	2.6148	2.6901	0.1993	1.288	2.8256
tebupirimfos	96182-53-5	Organophosphate	1.2671	1.1006	0	1.4177	2.4465
(e)-nitenpyram	150824-47-8	nAChR agonism	1.4364	1.7947	0.1339	1.6394	1.9739

imidacloprid	138261-41-3	nAChR agonism	1.6663	1.7187	0.2828	1.6773	1.6833
tralocythrin	66841-26-7	Pyrethroid sodium channel modulation	2.6637	2.7336	0.0014	1.1575	3.3663
trifloxystrobin	141517-21-7	Ester	1.3171	1.2868	0	1.1637	2.8096
fenhexamid	126833-17-8	Nonpolar	1.4346	1.703	0.999	0.7332	2.154
thiamethoxam	153719-23-4	nAChR agonism	1.7614	1.9302	0	1.844	1.8076
(+)-cis-permethrin	54774-45-7	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
veratridine	71-62-5	Pyrethroid sodium channel modulation	3.0819	3.0493	0.8529	2.8032	4.4278
2,3-dimethyl-1,3-butadiene	513-81-5	Alkylation	0.2047	0.1921	0	0.176	0.868
2-hydroxyethylmethacrylate	868-77-9	Uncoupling oxidative phosphorylation	0.4055	0.7992	0.2277	0.8075	1.0441
cismethrin	35764-59-1	Pyrethroid sodium channel modulation	1.3562	1.3893	0	0.7448	2.7577
butethrin	28288-05-3	Pyrethroid sodium channel modulation	1.2275	1.3011	0	0.7078	2.6912
japothrins	10597-73-6	Pyrethroid sodium channel modulation	0.9039	0.9903	0	0.7127	2.3887
acetamidine hydrochloride	124-42-5	Nonpolar	0.5391	0.3052	0.2107	0.5991	0.547
3-aminoacetophenone	1995-11-4	Polar	1.09	1.52	0.23	0.74	1.1137
2,3,4-trimethoxyacetophenone	13909-73-4	Nonpolar	0.9773	2.0243	0	1.0588	1.6127
acetophenone	98-86-2	Nonpolar	0.7912	1.1307	0	0.4228	1.0139
2,4-pentanedione	123-54-6	Carbonyl	0.4255	1.1707	0	0.6467	0.8445
coumachlor	81-82-3	Anticoagulation	2.1284	2.3599	0.3126	1.225	2.4301
pyrifluquinazon	337458-27-2	Chordotonal organ TRPV channel modulation	1.6908	1.8102	0.1339	1.8454	2.7557
4-acetamidophenol	103-90-2	Polar	1.123	1.6644	0.9077	0.9308	1.1724
pindone calcium salt	53404-72-1	Anticoagulation	1.4365	2.0834	0	1.085	1.7821
pindone sodium salt	6120-20-3	Anticoagulation	1.4365	2.0834	0	1.085	1.7821
3-(4-tert-butylphenoxy)benzaldehyde	69770-23-6	Nonpolar	1.456	1.6296	0	0.7473	2.1031
propargite	2312-35-8	Inhibition of mitochondrial ATP synthase	1.6897	2.4456	0.0852	1.5943	2.7518
octylphenoxypolyethoxyethanol	9036-19-5	Nonpolar	0.9825	1.4977	0.2277	1.6677	3.6048

octylphenol polyglycol ether (oppe)(triton)	9002-93-1	Nonpolar	0.8389	0.8449	0.2277	0.7935	2.2428
halofenozide	112226-61-6	Ecdysone receptor agonists	1.9159	2.8796	0.2553	1.4171	2.523
nitrilacarb	29672-19-3	Carbamate	0.6119	1.3132	0.2139	0.9216	1.6215
1,1,1-trichloro-2-methyl-2-propanol	6001-64-5	Nonpolar	0.4906	0.6523	0.42	0.3314	1.0981
empenthrin	54406-48-3	Pyrethroid sodium channel modulation	0.7888	0.8694	0.0852	0.7154	2.4386
prallethrin	23031-36-9	Pyrethroid sodium channel modulation	1.1892	1.3959	0.0852	1.0147	2.4866
tetramethrin [(1r)-cis isomer]	51348-90-4	Pyrethroid sodium channel modulation	1.3682	1.89	0	1.3337	2.5795
tetramethrin	7696-12-0	Pyrethroid sodium channel modulation	1.3682	1.89	0	1.3337	2.5795
imiprothrin	72963-72-5	Pyrethroid sodium channel modulation	1.4916	1.8506	0.0852	1.6045	2.4631
s-bioallethrin	28434-00-6	Pyrethroid sodium channel modulation	1.0605	1.2795	0	1.0092	2.5296
cinerin i	25402-06-6	Pyrethroid sodium channel modulation	1.0907	1.3253	0	1.0247	2.6705
pyrethrin i	121-21-1	Pyrethroid sodium channel modulation	1.2128	1.387	0	1.0787	2.7684
phenothrin	26002-80-2	Pyrethroid sodium channel modulation	1.6151	1.6617	0	0.9188	2.8556
phenothrin [(1r)-trans- isomer]	26046-85-5	Pyrethroid sodium channel modulation	1.6151	1.6617	0	0.9188	2.8556
d-cis-phenothrin	51186-88-0	Pyrethroid sodium channel modulation	1.6151	1.6617	0	0.9188	2.8556
resmethrin	10453-86-8	Pyrethroid sodium channel modulation	1.3562	1.3893	0	0.7448	2.7577
fenvalerate	51630-58-1	Pyrethroid sodium channel modulation	2.2044	2.6593	7.00E-04	1.1022	3.1876
cyano-(4-phenoxyphenyl)methyl] 2-(4-chlorophenyl)-3-methyl-butanoate	66827-38-1	Pyrethroid sodium channel modulation	2.2044	2.6593	7.00E-04	1.1022	3.1876
brofenvalerate	65295-49-0	Pyrethroid sodium channel modulation	2.5387	2.8524	7.00E-04	1.0892	3.3626
valerate	51630-33-2	Pyrethroid sodium channel modulation	2.0137	2.1227	0	0.8996	3.0329
thymol	89-83-8	Polar	0.84	0.78	0.5	0.42	1.3387
4-isopropylphenol	25168-06-3	Polar	0.81	0.84	0.5	0.42	1.1978
2-isopropylphenol	88-69-7	Polar	0.81	0.84	0.5	0.42	1.1978
2-isovaleryl-1,3-indandione, sodium salt	53404-57-2	Anticoagulation	1.4617	2.1342	0	1.0782	1.7821

36dimethyl1heptyn3ol	19549-98-5	Nonpolar	0.4422	0.5681	0.3978	0.446	1.3494
kinoprene	42588-37-4	Juvenile hormone mimics	0.6047	0.9217	0.0852	0.661	2.5472
poe isooctadecanol	52292-17-8	Nonpolar	0.2989	0.7662	0.2277	0.915	3.3845
isooctanol	26952-21-6	Nonpolar	0.2068	0.4567	0.3126	0.3521	1.2945
propachlor	1918-16-7	Nonpolar	1.0356	1.5689	7.00E-04	0.7556	1.6588
cis-diallate	17708-57-5	Nonpolar	1.0616	1.5305	0	0.923	1.9984
triallate	2303-17-5	Nonpolar	1.1616	1.6157	0	0.9385	2.1208
diallate	2303-16-4	Nonpolar	1.0616	1.5305	0	0.923	1.9984
isolan	119-38-0	Carbamate	1.0336	1.4881	0	1.0053	1.6968
chloropropylate	5836-10-2	Diphenyl sodium channel modulation	1.653	1.5515	0.172	1.0597	2.4066
isocarbophos	24353-61-5	Organophosphate	1.4931	1.4183	0.2107	1.5099	2.0806
chlorpropham	101-21-3	Nonpolar	0.9721	1.3098	0.4353	0.6131	1.5766
propham	122-42-9	Nonpolar	0.845	1.2435	0.3665	0.672	1.4542
fluacrypyrim	229977-93-9	Mitochondrial complex III Electron Transport inhibition	1.2367	1.8403	0	1.5308	2.9113
oxadiazon	19666-30-9	Nonpolar	1.5083	1.4586	0	0.954	2.4104
iprobenfos	26087-47-8	Organophosphate	1.1593	1.1315	0	1.2887	2.2469
bensulide	741-58-2	Nonpolar	1.9613	1.8892	0.3651	1.6944	2.8733
sarin	107-44-8	Organophosphate	0.0988	0.3602	0	0.7898	1.0118
isopolinate	3134-70-1	Nonpolar	0.8858	1.3075	0	0.7935	1.688
cyproconazole	94361-06-5	Nonpolar	1.9348	1.8084	0.3126	1.0594	2.1618
1-chloro-2-propanol	127-00-4	Alkylation	0.3369	0.5768	0.3849	0.3361	0.7124
1,1-dichloroethane	75-34-3	Polar	0.22	0.37	0.09	0.02	0.6352
aramite	140-57-8	Nonpolar	1.3446	2.3253	7.00E-04	1.521	2.5052
hcfc-141b	1717-00-6	Nonpolar	0.0868	0.2927	0	0	0.6528
3-butyn-2-ol	2028-63-9	Alkylation	0.4666	0.6129	0.3978	0.396	0.6449
thiodicarb	59669-26-0	Carbamate	1.9195	1.8188	0	1.8973	2.4701
2-butanoneoxime	96-29-7	Nonpolar	0.3758	0.3286	0.3126	0.4644	0.7877

lepimectin	171249-05-1	GABA agonism	3.1099	2.903	0.4978	3.0727	5.4907
eprinomectin b1a	133305-88-1	GABA agonism	3.4156	4.0269	0.7802	4.4249	7.014
abamectin	71751-41-2	GABA agonism	3.3997	3.3098	0.683	4.2886	6.6754
spinosad	168316-95-8	Nicotinic acetylcholine receptor (NACHR) allosteric modulation	2.3575	2.8316	0	3.25	5.8896
azadirachtin	11141-17-6	Compounds of unknown or uncertain MOA	2.9734	3.3619	0.6061	3.9877	4.8525
2,4-hexadiene	592-46-1	Nonpolar	0.31	0.39	0	0.17	0.868
ru 28000	72204-43-4	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
1s-cis-permethrin	54774-46-8	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
d-trans-.beta.cypermethrin	66841-24-5	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
fenfluthrin	75867-00-4	Pyrethroid sodium channel modulation	0.7148	1.258	0	0.4424	2.2401
meperfluthrin	915288-13-0	Pyrethroid sodium channel modulation	0.88	1.396	0	0.6885	2.563
strobane	8001-50-1	Alicyclic GABA antagonism	1.6092	0.949	7.00E-04	0.4167	2.1142
tetramethylfluthrin	84937-88-2	Pyrethroid sodium channel modulation	0.4776	1.0195	0	0.617	2.3612
zeta-cypermethrin	1315501-18-8	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
fenpirithrin	68523-18-2	Pyrethroid sodium channel modulation	2.0955	2.6036	7.00E-04	1.3982	2.9322
heptafluthrin	1130296-65-9	Pyrethroid sodium channel modulation	0.2946	1.0025	0	0.5614	2.5119
gamma-cyhalothrin	76703-62-3	Pyrethroid sodium channel modulation	1.5665	2.1651	7.00E-04	1.0026	3.0446
ru 22950	52820-00-5	Pyrethroid sodium channel modulation	2.4178	2.6373	7.00E-04	1.1147	3.0785
chlorantraniliprole	500008-45-7	Ryanodine receptor modulation	3.443	3.7507	0.671	1.85	2.9252
2chloro4methylaniline	615-65-6	Polar	1.0103	1.106	0.2266	0.4182	1.0795
bioallethrin s-cyclopentenyl	28057-48-9	Pyrethroid sodium channel modulation	1.0605	1.2795	0	1.0092	2.5296
3,4-dimethylphenol	95-65-8	Polar	0.83	0.79	0.5	0.39	1.0569
dimethipin	55290-64-7	Nonpolar	0.5235	2.087	0	1.1857	1.3642
4-chloro-3,5-dimethylphenol	88-04-0	Polar	0.98	0.9	0.67	0.38	1.1793
2-chloro-6-nitrotoluene	83-42-1	Polar	1	1.28	0	0.21	1.1539
cyenopyrafen	560121-52-0	Mitochondrial Complex II electron transport inhibition	1.6877	1.9715	0	1.1712	3.3028

2-methyl-4-chlorophenol	1570-64-5	Polar	0.96	0.96	0.67	0.38	1.0384
carboxin	5234-68-4	Nonpolar	1.5923	1.8182	0.4086	1.0904	1.7479
3,5-dimethylphenol	108-68-9	Polar	0.83	0.79	0.5	0.39	1.0569
flubendiamide	272451-65-7	Ryanodine receptor modulation	2.105	3.1601	0.6639	1.8722	3.7674
spiromesifen	283594-90-1	Inhibition of acetyl COA carboxylase	1.2637	1.3353	0	0.9301	3.0003
3-methylaniline	108-44-1	Polar	0.88	1.02	0.23	0.43	0.9571
3-methylphenol	108-39-4	Polar	0.81	0.85	0.5	0.39	0.916
1,2-dimethyl-3-nitrobenzene	83-41-0	Polar	0.87	1.15	0	0.21	1.1724
2,6-dimethylaniline	87-62-7	Polar	0.91	0.97	0.08	0.43	1.098
2-nitrotoluene	88-72-2	Nonpolar	0.85	1.2	0	0.21	1.0315
2-methylaniline	95-53-4	Polar	0.88	1.02	0.23	0.43	0.9571
pyflubumide	926914-55-8	Mitochondrial Complex II electron transport inhibition	1.2521	1.6699	0	1.431	3.694
dinoprop	7257-41-2	Uncoupling oxidative phosphorylation	1.2795	1.6848	0.2827	0.4854	1.6871
dimethylnaphthalene	28804-88-8	Nonpolar	1.3236	0.9007	0	0.1748	1.3672
pyrametostrobin	915410-70-7	Nonpolar	2.5356	2.5969	0	1.5744	2.8889
2-chloro-4,5-dimethylphenol	1124-04-5	Polar	0.8937	0.7219	0.3307	0.2982	1.1793
milbemycin a3	51596-11-3	GABA agonism	2.2577	2.0172	0.4978	2.2544	4.2703
hyquincarb	56716-21-3	Carbamate	1.1778	1.4002	0	0.9698	1.8681
chromafenozide	143807-66-3	Ecdysone receptor agonists	2.1391	2.7576	0.2553	1.6153	3.1961
4-amino-3,5-xylylmethylcarbamate	831-76-5	Carbamate	1.1921	1.6409	0.2921	0.9527	1.554
4-(methylamino)-3,5-xylyl methylcarbamate	10389-50-1	Carbamate	1.11	1.4614	0.1952	0.9278	1.6949
4-bromo-6-chloro-2-cresol	7530-27-0	Polar	1.1832	0.9589	0.5018	0.2286	1.2134
fenasulam	78357-48-9	Nonpolar	2.2793	3.4696	0.853	1.8118	2.7804
2,4-dichloro-6-methylphenol	1570-65-6	Polar	1.0003	0.877	0.5018	0.2284	1.1608
mcpb	94-81-5	Nonpolar	0.9591	1.2963	0.5715	0.6526	1.6764
s-metolachlor isomer	87392-12-9	Nonpolar	1.1202	1.6169	7.00E-04	0.9755	2.2811
acetochlor	34256-82-1	Nonpolar	1.1123	1.6284	7.00E-04	0.9448	2.1402

pyribencarb	799247-52-2	Nonpolar	1.855	1.9368	0.2132	1.392	2.6815
xylene	1330-20-7	Nonpolar	0.6051	0.5768	0	0.1166	0.9982
2-tolunitrile	529-19-1	Nonpolar	0.7534	1.1169	0	0.2607	1.012
siduron	1982-49-6	Nonpolar	1.2162	1.5533	0.5146	0.8454	1.9503
kresoxim methyl	143390-89-0	Ester	1.5114	1.5754	0	1.1203	2.4182
piperalin	3478-94-2	Ester	1.2925	1.4809	0	0.9518	2.4358
4-methyloxazole	693-93-6	Nonpolar	0.4795	0.7774	0	0.389	0.6361
metofluthrin	240494-70-6	Pyrethroid sodium channel modulation	0.6569	1.1733	0	0.6766	2.4591
fenpropathrin	39515-41-8	Pyrethroid sodium channel modulation	1.6495	2.097	7.00E-04	1.0428	2.7715
propanil	709-98-8	Nonpolar	1.1476	1.6069	0.5343	0.5884	1.4994
bulan	117-26-0	Diphenyl sodium channel modulation	1.6825	1.7785	7.00E-04	0.4787	2.3068
spirodiclofen	148477-71-8	Inhibition of acetyl COA carboxylase	1.4632	1.6588	0	0.8693	2.9633
dinobuton	973-21-7	Di/trinitroaromatic	1.194	2.1779	0	0.8612	2.3251
pendimethalin	40487-42-1	Di/trinitroaromatic	1.4225	1.5937	0.0501	0.5699	2.1509
3-ethylaniline	587-02-0	Polar	0.88	1.03	0.23	0.43	1.098
2-ethylaniline	3211-76-5	Polar	0.88	1.03	0.23	0.43	1.098
tolfenpyrad	129558-76-5	Oxidative phosphorylation inhibition	2.4443	2.7052	0.2553	1.3351	2.8939
pinoxaden	243973-20-8	Ester	1.752	2.2149	0	1.8812	3.1999
fenethacarb	30087-47-9	Carbamate	0.8821	1.2293	0.2132	0.654	1.736
ethylan	72-56-0	Diphenyl sodium channel modulation	1.424	1.1781	0.088	0.2341	2.4144
spinetoram	187166-40-1	Nicotinic acetylcholine receptor (NACHR) allosteric modulation	2.2228	2.7898	0	3.1707	5.9326
metolachlor	51218-45-2	Nonpolar	1.1202	1.6169	7.00E-04	0.9755	2.2811
alachlor	15972-60-8	Nonpolar	1.1123	1.6284	7.00E-04	0.9448	2.1402
2-ethylpyridine	100-71-0	Nonpolar	0.6226	0.7688	0	0.403	0.9571
butonate	126-22-7	Organophosphate	0.5972	1.1945	0	1.3608	2.0581
bis(tributyltin) oxide	56-35-9	Oxidative phosphorylation inhibition	-0.4155	0.2504	0	0.3575	3.5037
tributyltin neodecanoate	28801-69-6	Oxidative phosphorylation inhibition	-0.1917	0.5031	0	0.4773	3.2602

coniine	458-88-8	nAChR Antagonism	0.3666	0.4421	0.1339	0.493	1.227
propiconazole	60207-90-1	Nonpolar	1.9082	1.9957	0	0.9841	2.3429
2,4-dp, 2-eh ester	79270-78-3	Ester	0.9438	1.3764	0	0.6599	2.6442
4-butylphenol	1638-22-8	Polar	0.8	0.86	0.5	0.4	1.3387
ethylhexanoate	123-66-0	Ester	0.0598	0.5955	0	0.3759	1.3102
5-pentylresorcinol	500-66-3	Polar	1.0084	1.0594	0.9981	0.6196	1.5383
ioxynil octanoate	3861-47-0	Uncoupling oxidative phosphorylation	2.0268	1.9848	0	0.5757	2.5891
n-octyl cyanide	2243-27-8	Nonpolar	0.1767	0.7525	7.00E-04	0.2234	1.3905
alkylbenzene sulphonate, linear	68081-81-2	Nonpolar	0.8825	1.7477	0.3126	0.9431	2.6059
fatty alcohol (c12-18) polyglycol(10eo)ether	61791-28-4	Nonpolar	0.5528	1.3703	0.2277	1.6063	4.363
decanoic acid	334-48-5	Nonpolar	0.1607	0.6494	0.5715	0.382	1.592
alkylbenzene sulphonate, linear (c10)	2627-06-7	Nonpolar	0.8746	1.7592	0.3126	0.9124	2.465
4-decylaniline	37529-30-9	Nonpolar	0.8674	1.0629	0.2266	0.459	2.2252
undecylcyanide	2437-25-4	Nonpolar	0.1714	0.7656	7.00E-04	0.2327	1.8132
alkylbenzene sulphonate, linear (c11.8)	25155-30-0	Nonpolar	0.871	1.7679	0.3126	0.9186	2.7468
alkylbenzene sulphonate, linear (c14)	28348-61-0	Nonpolar	0.8675	1.7767	0.3126	0.9248	3.0286
alkylbenzene sulphonate, linear (c18)	27177-79-3	Nonpolar	0.8604	1.7942	0.3126	0.9372	3.5922
fatty alcohol (c16-18) sulphate	68955-20-4	Nonpolar	0.2984	1.5319	0.3126	1.0494	2.9022
hexadecyl trimethyl ammonium chloride	112-02-7	Nonpolar	-0.2349	0.1611	0	0.1061	2.907
linear alcohol ethoxylate sulphate (c13-15)	27731-62-0	Nonpolar	0.4114	2.0084	0.3126	1.6957	3.501
sodium tetradecyl sulphate	1191-50-0	Nonpolar	0.3037	1.5188	0.3126	1.0401	2.4795
fatty alcohol (c12-18) 2eo/4po ether	69227-21-0	Nonpolar	0.0245	0.3806	0	0.2793	2.1399

linear alcohol ethoxylate sulphate (c12-13)	9004-82-4	Nonpolar	0.3432	1.6733	0.3126	1.2524	2.5382
sodium dodecyl sulphate	151-21-3	Nonpolar	0.3073	1.5101	0.3126	1.0339	2.1977
sodium dodecane sulphonate	2386-53-0	Nonpolar	0.2722	1.3649	0.3126	0.8318	2.139
decylamine	2016-57-1	Amine	0.1913	0.5287	0.2107	0.5979	1.6174
heptylamine	111-68-2	Amine	0.1966	0.5156	0.2107	0.5886	1.1947
4-heptyloxyphenol	13037-86-0	Polar	0.841	1.0568	0.499	0.6103	1.8201
hexylacetate	142-92-7	Ester	0.0598	0.5955	0	0.3759	1.3102
4-hexyloxyphenol	18979-55-0	Polar	0.8428	1.0525	0.499	0.6072	1.6792
benfluralin	1861-40-1	Di/trinitroaromatic	0.9875	1.8423	0	0.5522	2.2037
3-iodo-2-propynyl butyl carbamate (iodocarb)	55406-53-6	Nonpolar	1.011	1.3149	0.2132	0.6649	1.5822
dibutylsuccinate	141-03-7	Ester	0.1167	1.0086	0	0.7157	1.9482
dibutyladipate	105-99-7	Ester	0.1132	1.0173	0	0.7219	2.23
2,4-d butyl ester	94-80-4	Ester	0.9332	1.3862	0	0.5891	1.9397
2,4-d butoxyethanol ester	1929-73-3	Ester	0.9691	1.5494	0	0.8077	2.2802
resmethrin mixture with piperonyl butoxide	111376-59-1	Pyrethroid sodium channel modulation	1.3562	1.3893	0	0.7448	2.7577
n-(butoxymethyl)-2-chloro-n-(2,6-diethylphenyl)acetamide	23184-66-9	Nonpolar	1.107	1.6415	7.00E-04	0.9541	2.5629
butylsulfide	544-40-1	Nonpolar	0.3396	0.3516	0	0.175	1.3993
tribufos	78-48-8	Nonpolar	1.1672	0.7145	0	0.9881	2.5532
merphos	150-50-5	Nonpolar	1.1173	0.2586	0	0.7202	2.4945
propylamine	107-10-8	Amine	0.2037	0.4981	0.2107	0.5762	0.6311
eptc	759-94-4	Nonpolar	0.6667	1.232	0	0.7864	1.6557
vernolate	1929-77-7	Nonpolar	0.6649	1.2364	0	0.7895	1.7966
isopropalin	33820-53-0	Di/trinitroaromatic	1.3561	2.006	0	0.7012	2.4327
oryzalin	19044-88-3	Di/trinitroaromatic	1.9268	2.9534	0.4419	1.4171	2.3907

fluchloralin	33245-39-5	Di/trinitroaromatic	1.1105	1.9799	7.00E-04	0.5486	2.1852
propylacetate	109-60-4	Ester	0.0651	0.5824	0	0.3666	0.8875
propyl thiopyrophosphate	3244-90-4	Organophosphate	1.1559	0.8403	0	1.4734	2.8291
n-propylsulfide	111-47-7	Nonpolar	0.3431	0.3429	0	0.1688	1.1175
imicyafos	140163-89-9	Organophosphate	1.0847	2.2444	0	1.8269	2.3056
trifenofos	38524-82-2	Organophosphate	1.5282	1.4089	0	1.1092	2.3323
etaphos	38527-91-2	Organophosphate	1.4013	1.3345	0	1.1452	2.2099
heterophos	40626-35-5	Organophosphate	1.1435	1.1545	0	1.2273	1.9651
phosphocarb	126069-54-3	Organophosphate	1.4034	1.8006	0.2132	1.7484	2.4211
esprocarb	85785-20-2	Nonpolar	1.2588	1.6654	0	0.9309	2.2635
cycloate	1134-23-2	Nonpolar	0.884	1.3119	0	0.7966	1.8289
primidophos	39247-96-6	Organophosphate	1.6378	1.8085	0	1.766	2.562
phosphamidon	13171-21-6	Organophosphate	0.8212	1.7171	0	1.9424	2.1519
phosphamidon (e isomer)	297-99-4	Organophosphate	0.8212	1.7171	0	1.9424	2.1519
methiobencarb	18357-78-3	Nonpolar	1.3085	1.7808	0	1.0794	2.0404
orbencarb	34622-58-7	Nonpolar	1.3921	1.7639	0	0.8634	1.9632
dinitramine	29091-05-2	Uncoupling oxidative phosphorylation	1.3078	1.9999	0.2337	0.7608	2.0217
n,n-diethyl-aniline	91-66-7	Nonpolar	0.79	0.9218	0	0.4666	1.3798
pirimiphos-methyl	29232-93-7	Organophosphate	1.525	1.2832	0	1.5011	2.2645
carbetamide	16118-49-3	Nonpolar	1.152	2.1212	0.6218	1.2348	1.8515
cyanazine	21725-46-2	Nonpolar	1.4134	1.7429	0.3628	1.0675	1.7743
n-(1,1-dimethylethyl)-n-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	886-50-0	Nonpolar	1.4718	1.2225	0.2595	1.0819	1.9425
ametryn	834-12-8	Nonpolar	1.4988	1.2689	0.2595	1.0719	1.8016
n,n-diethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	1014-70-6	Nonpolar	1.4908	1.2804	0.2595	1.0412	1.6607
n-ethylbenzylamine	14321-27-8	Polar	0.7273	0.8141	0.1339	0.5627	1.2389

propetamphos	31218-83-4	Organophosphate	0.9146	1.0355	0.1339	1.5296	2.1343
benzoylprop ethyl	33878-50-1	Ester	1.8071	2.4718	0	1.0938	2.6043
phenthoate	2597-03-7	Organophosphate	1.5535	1.4218	0	1.2132	2.2852
ethylacrylate	140-88-5	Acrylate	0.189	0.6397	0	0.4175	0.8445
ethylbenzoate	93-89-0	Ester	0.6413	1.0387	0	0.4496	1.2135
pyrazophos	13457-18-6	Organophosphate	1.9049	1.5904	0	1.7029	2.61
diethylmalonate	105-53-3	Ester	0.1256	0.9867	0	0.7002	1.2437
malathion	121-75-5	Organophosphate	1.0377	1.3699	0	1.4638	2.3154
diethylsebacate	110-40-7	Ester	0.1132	1.0173	0	0.7219	2.23
prothion	5969-94-8	Organophosphate	0.9657	0.9858	0	1.1057	2.1001
diethatyl ethyl	38727-55-8	Ester	1.1333	1.8782	7.00E-04	1.0661	2.4377
triazamate	112143-82-5	Carbamate	1.5435	2.3211	0	1.598	2.3985
acethion	919-54-0	Organophosphate	0.9675	0.9814	0	1.1026	1.9592
mecarbam	2595-54-2	Organophosphate	1.2898	1.4795	0	1.4825	2.3565
ethyl(2-mercaptoethyl)carbamates-esterwitho,o-dimethy	5840-95-9	Organophosphate	1.1631	1.2784	0.2132	1.2994	1.9181
ethyl carbamate	51-79-6	Nonpolar	0.37	0.92	0.44	0.55	0.7055
3-ethoxy-4-methoxyphenol	65383-57-5	Polar	0.9033	1.5293	0.499	0.7871	1.3152
etridiazole	2593-15-9	Nonpolar	1.1624	1.2708	0	0.4857	1.4075
chlorfenapyr	122453-73-0	Uncoupling oxidative phosphorylation	1.693	1.8275	0	0.5863	2.3124
fenamiphos	22224-92-6	Organophosphate	1.0173	2.0441	0.1339	1.2839	2.3467
bromfenvinphos	33399-00-7	Organophosphate	1.5506	1.5737	0	1.3333	2.378
chlorfenvinphos	470-90-6	Organophosphate	1.3676	1.4918	0	1.3331	2.3254
tepp	107-49-3	Organophosphate	0.487	1.0563	0	2.2055	2.0559
thicrofos	41219-32-3	Organophosphate	1.882	1.4353	0	1.3485	2.4242
azethion	72348-92-6	Organophosphate	0.6313	1.0938	0	1.4717	1.7135
demeton-s	126-75-0	Organophosphate	0.9093	0.8543	0	1.2739	1.9435
demeton	8065-48-3	Organophosphate	0.9093	0.8543	0	1.2739	1.9435

trichloronate	327-98-0	Organophosphate	1.5076	1.1616	0	0.5641	2.1327
s-(4-(1,1-dimethylethyl)phenyl) o-ethyl ethylphosphonodithioate	329-21-5	Organophosphate	1.4473	0.7679	0	0.684	2.4339
isofenphos	25311-71-1	Organophosphate	1.3902	1.3765	0.1339	1.5617	2.6442
cyanofenphos	13067-93-1	Organophosphate	1.8882	1.8204	0	0.9532	2.2462
epn	2104-64-5	Organophosphate	1.9851	1.908	0	0.9054	2.2657
ditalimfos	5131-24-8	Organophosphate	1.8156	1.9724	0	1.4359	2.0699
chlorethoxyfos	54593-83-8	Organophosphate	1.2257	1.002	7.00E-04	0.9758	1.9878
chlorthiophos iii	77503-28-7	Organophosphate	1.7679	1.3302	0	0.9066	2.3734
chlorthiophos ii	77503-29-8	Organophosphate	1.7679	1.3302	0	0.9066	2.3734
pirimiphos ethyl	23505-41-1	Organophosphate	1.5214	1.2919	0	1.5073	2.5463
bromophos-ethyl	4824-78-6	Organophosphate	1.73	1.398	0	0.7767	2.244
fensulfothion	115-90-2	Organophosphate	1.7251	2.2047	0	1.6123	2.1873
dichlofenthion	97-17-6	Organophosphate	1.4366	1.2161	0	0.8556	2.069
o,o-diethyl-o-phenyl phosphorothioate	32345-29-2	Organophosphate	1.1788	1.0362	0	0.9377	1.8242
flupyrazofos	122431-24-7	Organophosphate	1.6805	1.5078	0	1.1838	2.4456
chlorpyrifos	2921-88-2	Organophosphate	1.5907	1.4462	0	1.0604	2.1503
triazophos	24017-47-8	Organophosphate	2.1001	1.8833	0	1.3885	2.2108
isazofos	42509-80-8	Organophosphate	1.5431	1.4482	0	1.2724	2.1481
quinalphos	13593-03-8	Organophosphate	1.9663	1.4894	0	1.3769	2.111
demeton-o	298-03-3	Organophosphate	0.9429	0.7403	0	0.9874	1.9435
phoxim	14816-18-3	Organophosphate	1.5297	1.4666	0	1.2682	2.1766
sulfotep	3689-24-5	Organophosphate	1.163	0.8229	0	1.461	2.2655
dioxathion	78-34-2	Organophosphate	2.1136	1.3535	0	1.9705	3.1062
prothoate	2275-18-5	Organophosphate	1.2219	1.4434	0.2553	1.3624	2.1412
benoxafos	16759-59-4	Organophosphate	2.3729	1.651	0	1.1244	2.4625
chlormephos	24934-91-6	Organophosphate	1.03	0.7147	7.00E-04	0.7653	1.5845

disulfoton sulfone	2497-06-5	Organophosphate	1.0033	1.4977	0	1.311	2.1657
oxydisulfoton	2497-07-6	Organophosphate	1.4215	1.7809	0	1.4592	2.107
disulfoton	298-04-4	Organophosphate	1.2473	0.7375	0	0.9017	2.0483
prothidathion	20276-83-9	Organophosphate	2.0046	1.7214	0	1.8849	2.4525
terbufos	13071-79-9	Organophosphate	1.2301	0.6753	0	0.9392	2.1892
phenkapton	2275-14-1	Organophosphate	2.0831	1.3694	0	0.8995	2.4782
carbophenothion	786-19-6	Organophosphate	1.9766	1.3006	0	0.9685	2.3558
phorate	298-02-2	Organophosphate	1.2491	0.7332	0	0.8986	1.9074
ethion	563-12-2	Organophosphate	1.8095	0.9761	0	1.5049	2.6747
ethidimuron	30043-49-3	Uncoupling oxidative phosphorylation	1.2912	2.6137	0.161	1.4573	1.7596
oxydemeton-methyl	301-12-2	Organophosphate	1.0871	1.8888	0	1.8252	1.7204
ipsp	5827-05-4	Organophosphate	1.4392	1.7536	0	1.5175	2.2479
butylate	2008-41-5	Nonpolar	0.6826	1.2091	0	0.8478	1.9375
ethiolate	2941-55-1	Carbamate	0.6703	1.2233	0	0.7802	1.3739
molinate	2212-67-1	Nonpolar	0.8778	1.319	0	0.7628	1.5471
demeton-o-methyl	867-27-6	Organophosphate	0.6085	0.8483	0	1.3535	1.5569
demeton-methyl	8022-00-2	Organophosphate	0.9129	0.8455	0	1.2677	1.6617
chlorbicyclen	2550-75-6	Alicyclic GABA antagonism	1.6599	1.2334	0.0014	0.3454	2.0957
dilor	14168-01-5	Alicyclic GABA antagonism	1.7577	1.1669	7.00E-04	0.353	2.0056
chlordane	57-74-9	Alicyclic GABA antagonism	2.0155	1.3145	0.0014	0.4528	2.128
toxaphene	8001-35-2	Alicyclic GABA antagonism	1.434	1.1335	0.0908	0.2179	2.2796
o-(2-chloro-4-nitrophenyl) o-isopropyl ethylphosphonothioate	328-04-1	Organophosphate	1.5437	1.5228	0	0.8401	2.203
3,4-dichlorobenzyl methylcarbamate	2328-31-6	Carbamate	1.1094	1.5026	0.2132	0.6337	1.5581
methyl phenkapton	3735-23-7	Organophosphate	2.0867	1.3607	0	0.8933	2.1964
phosacetim	4104-14-7	Organophosphate	2.4454	1.6483	0.1339	1.3633	2.4929
tridiphane	58138-08-2	Alkylation	1.3868	1.2325	0	0.2715	1.8421

dde	72-55-9	Diphenyl sodium channel modulation	1.8025	1.5328	0	0.2967	2.0526
beta-cypermethrin	65731-84-2	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
alpha-cypermethrin	67375-30-8	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
ru 27996	83860-31-5	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
p,p'-ddd	72-54-8	Diphenyl sodium channel modulation	1.6736	1.4445	0.088	0.2207	2.0956
nonachlor	3734-49-4	Alicyclic GABA antagonism	2.1085	1.3394	7.00E-04	0.4413	2.2504
alpha-endosulfan	959-98-8	Alicyclic GABA antagonism	2.2254	2.5403	0	1.4315	2.0819
pyrimidifen	105779-78-0	Mitochondrial complex I Electron Transport inhibition	1.7202	1.6832	0.1478	1.2257	2.9906
tebufenpyrad	119168-77-3	Oxidative phosphorylation inhibition	1.7852	2.0942	0.2553	1.0797	2.6501
hexachlorocyclohexane	608-73-1	Alicyclic GABA antagonism	1.3767	1.0992	0.0042	0.3995	1.5798
trichlormetaphos-3	2633-54-7	Organophosphate	1.5488	1.3117	0	0.7733	2.0505
t-1,2-dichlorocyclohexane	822-86-6	Nonpolar	0.6	0.55	0	0.15	1.0902
heptachlor	76-44-8	Alicyclic GABA antagonism	1.9135	1.2656	7.00E-04	0.4162	1.9626
2,5-dichloro-alpha-(chloromethylene)benzyl diethyl phosphate	2701-86-2	Organophosphate	1.3919	1.5367	0	1.3789	2.3254
cis-chlordane	5103-71-9	Alicyclic GABA antagonism	2.0155	1.3145	0.0014	0.4528	2.128
2,2',4,4'-tetrachlorobiphenyl	2437-79-8	Nonpolar	1.9354	1.4553	0	0.0881	1.8138
4,4'-dichlorobiphenyl	2050-68-2	Nonpolar	1.6814	1.3226	0	0.206	1.569
tetradifon	116-29-0	Inhibition of mitochondrial ATP synthase	1.7736	2.3902	0	0.5661	2.0947
dmcp	3309-87-3	Organophosphate	1.3001	1.2526	0	1.2048	1.6648
indoxacarb	173584-44-6	Sodium channel blocking	2.193	2.4057	0	1.9354	3.2295
quinclorac	84087-01-4	Nonpolar	1.8061	1.6891	0.5715	0.7796	1.5044
3-chlorobiphenyl	2051-61-8	Nonpolar	1.534	1.2425	0	0.2089	1.4466
2,6-dichlorobenzonitrile	1194-65-6	Nonpolar	1.0034	1.3208	0	0.1982	1.1159
clofentezine	74115-24-5	Mite growth inhibition	2.6689	2.053	0	0.6942	2.0124
isobenzan	297-78-9	Alicyclic GABA antagonism	1.9298	1.4432	0.0014	0.5893	2.0458

mirex	2385-85-5	Alicyclic GABA antagonism	2.9761	1.6555	0	0.6029	2.4434
oxychlordane	27304-13-8	Alicyclic GABA antagonism	2.2506	1.4893	7.00E-04	0.676	2.0781
endosulfan	115-29-7	Alicyclic GABA antagonism	2.2254	2.5403	0	1.4315	2.0819
bistrifluron	201593-84-2	Inhibition of chitin biosynthesis, type 0	0.9475	1.6674	0.7195	0.7146	2.382
heptachlor epoxide	1024-57-3	Alicyclic GABA antagonism	2.0276	1.3767	7.00E-04	0.5969	1.9557
1,3,5-trichloro-2-(4-nitrophenoxy)benzene	1836-77-7	Nonpolar	1.849	2.0739	0	0.3933	1.9243
3-(3,4-dichlorophenoxy)benzaldehyde	79124-76-8	Nonpolar	1.7103	1.9207	0	0.6208	1.7843
anilazine	101-05-3	Nonpolar	1.8832	1.7728	0.231	0.6519	1.6679
aldrin	309-00-2	Alicyclic GABA antagonism	2.0096	1.2035	0	0.4269	2.0134
dieldrin	60-57-1	Alicyclic GABA antagonism	2.1237	1.3146	0	0.6076	2.0065
endrin	72-20-8	Alicyclic GABA antagonism	2.1237	1.3146	0	0.6076	2.0065
kelevan	4234-79-1	Alicyclic GABA antagonism	3.1385	2.6178	0.42	1.5143	3.3337
1,2-dichloropropane	78-87-5	Nonpolar	0.38	0.47	0	0.13	0.7761
1,1,2-trichloroethane	79-00-5	Nonpolar	0.5	0.54	0.09	0.11	0.7576
1,5-dichloropentane	628-76-2	Nonpolar	0.24	0.47	0	0.04	1.0579
1,4-dichlorobutane	110-56-5	Nonpolar	0.25	0.47	0	0.04	0.917
1,3-dichloropropane	142-28-9	Nonpolar	0.25	0.46	0	0.03	0.7761
1,2-dichloroethane	107-06-2	Nonpolar	0.38	0.48	0	0.1	0.6352
dichloromethane	75-09-2	Nonpolar	0.22	0.38	0.09	0	0.4943
diphenamid	957-51-7	Nonpolar	1.4868	1.9727	0	0.8504	2.0033
monuron	150-68-5	Polar	1.16	1.59	0.37	0.84	1.4768
noruron	2163-79-3	Nonpolar	1.1024	1.3288	0.161	0.8672	1.8298
chloroxuron	1982-47-4	Nonpolar	1.8064	2.183	0.3143	1.1258	2.1433
dimetilan	644-64-4	Carbamate	1.3528	2.38	0	1.5861	1.8123
pyrolan	87-47-8	Carbamate	1.7176	1.9896	0	1.0625	1.8819
trimethylamine hydrochloride	593-81-7	Polar	0.1731	0.3561	0	0.5252	0.6311

n,n-dimethylbenzenamine	121-69-7	Nonpolar	0.7935	0.9131	0	0.4604	1.098
prothiocarb	19622-08-3	Nonpolar	0.8185	1.3986	0.2553	1.2239	1.6146
formparanate	17702-57-7	Carbamate	1.2506	1.7057	0.3429	1.4257	1.9356
daminozide	1596-84-5	Hydrazine	0.6468	1.6789	0.8269	1.4186	1.2437
dimefox	115-26-4	Organophosphate	-0.0648	1.6689	0	0.9976	1.1527
amitraz	3089-61-1	Octopamine receptor agonists	1.8014	0.9166	0	0.9791	2.5239
octyl trimethyl ammonium chloride	10108-86-8	Nonpolar	-0.2207	0.1261	0	0.0813	1.7798
fluridone	59756-60-4	Nonpolar	1.6678	1.7334	0	1.0372	2.2842
clothianidin	210880-92-5	nAChR agonism	1.4776	1.666	0.3987	1.5456	1.5757
vamidothion	2275-23-2	Organophosphate	1.2295	1.7074	0.2553	1.8581	2.059
monocrotophos	6923-22-4	Organophosphate	0.708	1.6118	0.2553	1.8659	1.6068
cis-azodrin	919-44-8	Organophosphate	0.708	1.6118	0.2553	1.8659	1.6068
omethoate	1113-02-6	Organophosphate	0.8813	1.5584	0.2553	1.6946	1.4728
tebuthiuron	34014-18-1	Nonpolar	1.1927	1.6576	0.161	1.0181	1.7605
3,5-diisopropylphenyl methylcarbamate	330-64-3	Carbamate	0.8979	1.2064	0.2132	0.7154	2.0178
trimethacarb (3,4.5 isomer)	2686-99-9	Carbamate	0.91	1.163	0.2132	0.6484	1.5951
mexacarbate	315-18-4	Carbamate	1.1266	1.4729	0.2132	0.9827	1.8358
allyxycarb	6392-46-7	Carbamate	1.3674	1.6049	0.2132	1.0969	2.3134
methiocarb	2032-65-7	Carbamate	1.2577	1.3458	0.2132	0.7648	1.7586
4-(methylthio)-m-tolyl methylcarbamate	3566-00-5	Carbamate	1.2334	1.4034	0.2132	0.7641	1.6177
promecarb	2631-37-0	Carbamate	0.8918	1.2135	0.2132	0.6816	1.736
aminocarb	2032-59-9	Carbamate	1.1023	1.5304	0.2132	0.982	1.6949
bufencarb-1	2282-34-0	Carbamate	0.8639	1.2798	0.2132	0.6871	1.8769
bufencarb-2	672-04-8	Carbamate	0.8639	1.2798	0.2132	0.6871	1.8769
formetanate	22259-30-9	Carbamate	1.1986	1.3816	0.2132	1.2259	1.7517
bendiocarb	22781-23-3	Carbamate	1.1072	1.5442	0.2132	1.0153	1.6039

mobam	1079-33-0	Carbamate	1.4999	1.584	0.2132	0.6448	1.4661
2-cyclopentylphenyl methylcarbamate	3282-00-6	Carbamate	1.075	1.3668	0.2132	0.6635	1.7683
dioxacarb	6988-21-2	Carbamate	1.1574	1.6669	0.2132	1.082	1.6039
propoxur	114-26-1	Carbamate	0.8864	1.4279	0.2132	0.8832	1.6538
cloethocarb	51487-69-5	Carbamate	1.047	1.7243	0.2139	1.0951	1.8349
dichlormate	1966-58-1	Nonpolar	1.1094	1.5026	0.2132	0.6337	1.5581
methomyl	16752-77-5	Carbamate	0.7744	0.909	0.2132	0.8454	1.2076
tranid	15271-41-7	Carbamate	1.1868	1.5799	0.2146	0.969	1.6676
aldoxycarb	1646-88-4	Carbamate	0.5325	1.6682	0.2132	1.2794	1.6068
metam	144-54-7	Miscellaneous non-specific (multi-site) inhibition	1.156	0.9151	0.1339	0.5167	0.7742
crufomate	299-86-5	Organophosphate	0.7469	1.9505	0.1339	1.1608	2.1647
diclofop methyl	51338-27-3	Ester	1.5887	1.9503	0	0.8995	2.3244
methyl 4-cyanobenzoate	1129-35-7	Polar	0.82	1.52	0	0.59	1.2273
methyl chrysanthemate	24141-52-4	Ester	0.4042	0.6392	0	0.5305	1.5813
methyl-4-methoxysalicylate	5446-02-6	Polar	0.8475	1.1434	0.1328	0.5557	1.3309
methyl-3-hydroxybenzoate	19438-10-9	Polar	0.8706	1.2449	0.5596	0.7201	1.1313
dimethylnitroterephthalate	5292-45-5	Ester	0.9993	1.9468	0	0.8747	1.603
bomyl	122-10-1	Organophosphate	0.5221	1.5427	0	1.9704	1.9219
mecarphon	29173-31-7	Organophosphate	1.2556	1.3119	0	1.2608	1.8751
triclopyricarb	902760-40-1	Nonpolar	1.9433	2.3883	0	1.3303	2.5055
carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)] bis-, dimethyl ester	23564-05-8	Non-Carbamate	2.6344	3.2246	0.6993	1.5882	2.3508
asulam	3337-71-1	Polar	1.459	2.455	0.671	1.2857	1.5531
bifenazate	149877-41-8	Mitochondrial complex III Electron Transport inhibition	1.9611	2.1147	0.3564	1.2416	2.3614
3-chloro-5-methoxyphenol	65262-96-6	Polar	0.9442	1.0453	0.6899	0.4589	1.0971

2,6-dimethoxytoluene	5673-07-4	Nonpolar	0.688	0.8145	0	0.4859	1.2565
ivermectin	70288-86-7	GABA agonism	3.2456	3.2068	0.683	4.2222	6.5775
2-methoxytetrachlorophenol	2539-17-5	Uncoupling oxidative phosphorylation	1.1174	1.1717	0.5636	0.0296	1.4643
vaniliprole	145767-97-1	Pyrazole GABA antagonism	2.4897	2.3287	0.2746	1.0285	3.1583
4-hydroxy-3-methoxybenzylamine	7149-10-2	Polar	0.9894	1.2272	0.4854	1.0152	1.2154
chloroneb	2675-77-6	Nonpolar	0.9049	1.0856	0	0.3829	1.3604
4-hydroxy-3-methoxybenzyl-alcohol	498-00-0	Polar	1.013	1.111	0.5873	0.8853	1.1743
2-hydroxy-4-methoxyacetophenone	552-41-0	Polar	0.9957	1.2398	0.1328	0.5321	1.2722
methoxychlor	72-43-5	Diphenyl sodium channel modulation	1.5909	1.5455	0	0.6469	2.3724
3-hydroxy-4-methoxybenzyl-alcohol	4683-06-6	Polar	1.013	1.111	0.5873	0.8853	1.1743
rotenone	83-79-4	Mitochondrial complex I Electron Transport inhibition	2.4404	2.6645	0	1.5791	2.8145
(s)-dimethenamid	163515-14-8	Nonpolar	1.0666	1.537	7.00E-04	0.9126	2.0649
methoprotryne	841-06-5	Nonpolar	1.5347	1.4321	0.2595	1.2905	2.1421
chlorbromuron	13360-45-7	Nonpolar	1.4931	1.8994	0.44	0.9805	1.7105
methocrotophos	25601-84-7	Organophosphate	0.7247	1.6232	0	1.9207	1.7477
acephate	30560-19-1	Organophosphate	0.5051	2.2181	0.2553	1.0765	1.2732
trichlorfon	52-68-6	Organophosphate	0.7417	1.054	0.42	1.297	1.4788
tetrachlorvinphos	22248-79-9	Organophosphate	1.502	1.5967	0	1.3037	2.166
gardona (trans-isomer)	22350-76-1	Organophosphate	1.502	1.5967	0	1.3037	2.166
naled	300-76-5	Organophosphate	1.2572	1.2737	7.00E-04	1.3423	1.7064
dicrotophos	141-66-2	Organophosphate	0.7247	1.6232	0	1.9207	1.7477
crotoxyphos	7700-17-6	Organophosphate	1.0422	1.5919	0	1.7567	2.3144
demephion-o	682-80-4	Organophosphate	0.6102	0.8439	0	1.3504	1.416
demephion-s	2587-90-8	Organophosphate	0.9146	0.8411	0	1.2646	1.5208
phoxim-methyl	14816-16-1	Organophosphate	1.5332	1.4578	0	1.262	1.8948

bromophos	2104-96-3	Organophosphate	1.7336	1.3892	0	0.7705	1.9622
fenchlorphos	299-84-3	Organophosphate	1.5506	1.3073	0	0.7702	1.9096
phosnichlor	5826-76-6	Organophosphate	1.6032	1.7087	0	1.0153	1.839
parathion-methyl	298-00-0	Organophosphate	1.4519	1.5975	0	1.0285	1.7166
fenitrothion	122-14-5	Organophosphate	1.4763	1.5399	0	1.0291	1.8575
chlorothion	500-28-7	Organophosphate	1.5789	1.6639	0	0.9695	1.839
mesulfenfos	3761-41-9	Organophosphate	1.7531	2.1384	0	1.6068	2.0464
fenthion	55-38-9	Organophosphate	1.5789	1.0951	0	1.0492	1.9877
formothion	2540-82-1	Organophosphate	1.3707	1.6909	0	1.4833	1.7342
morphothion	144-41-2	Organophosphate	1.483	1.7033	0	1.5722	1.9504
sd 7438	2782-70-9	Organophosphate	2.4154	1.3617	0	1.5793	2.7189
menazon	78-57-9	Organophosphate	2.2293	1.8803	0.4533	1.7192	1.8644
colophonate	50398-69-1	Organophosphate	1.6934	1.2988	0	1.024	1.7941
phosmet	732-11-6	Organophosphate	2.1612	2.1197	0	1.5594	2.0925
sophamide	37032-15-8	Organophosphate	1.2227	1.4356	0	1.5604	1.8359
leptophos	21609-90-5	Organophosphate	2.2686	1.6954	0	0.6442	2.3704
butoxycarboxim	34681-23-7	Carbamate	0.5365	1.6621	0.2132	1.2886	1.6068
butocarboxim	34681-10-2	Carbamate	0.7805	0.9019	0.2132	0.8792	1.4894
prometryn	7287-19-6	Nonpolar	1.5067	1.2574	0.2595	1.1026	1.9425
lufenuron	103055-07-8	Inhibition of chitin biosynthesis, type 0	1.47	2.0146	0.7527	1.0374	2.704
pentafluorophenol	771-61-9	Uncoupling oxidative phosphorylation	0.2185	0.7955	0.9564	0.1095	0.8631
2,3,4,5,6-pentafluoroaniline	771-60-8	Uncoupling oxidative phosphorylation	0.2936	0.974	0.3867	0.151	0.9042
4-fluorophenol	371-41-5	Polar	0.7051	0.9026	0.6702	0.3818	0.7927
1,1,2-trichloro-1,2,2-trifluoro-ethane	76-13-1	Nonpolar	0.1996	0.3095	0	0.045	0.8104
benzene, 1,2-dichloro-4-(trifluoromethyl)-	328-84-7	Nonpolar	0.4927	0.626	0	0	1.1549
cyhalothrin	68085-85-8	Pyrethroid sodium channel modulation	1.5665	2.1651	7.00E-04	1.0026	3.0446

lambda-cyhalothrin	91465-08-6	Pyrethroid sodium channel modulation	1.5665	2.1651	7.00E-04	1.0026	3.0446
hcfc-123	306-83-2	Nonpolar	0.0428	0.1534	0.1901	0	0.688
1,1,1,3,3,3-hexafluoro-2-propanol	920-66-1	Nonpolar	-0.3808	0.0491	0.7786	0.1637	0.6956
flonicamid	158062-67-0	Chordotonal organ modulators - undefined target site	0.7761	1.9619	0.256	1.02	1.421
triflumuron	64628-44-0	Inhibition of chitin biosynthesis, type 0	1.5352	2.1549	0.5955	1.0911	2.2118
metaflumizone	139968-49-3	Sodium channel blocking	1.8514	2.4909	0.5146	1.2469	3.2276
2-methyl-3,3,4,4-tetrafluoro-2-butanol	29553-26-2	Nonpolar	-0.0988	0.1876	0.4901	0.3132	0.9422
hexaflumuron	86479-06-3	Inhibition of chitin biosynthesis, type 0	1.4899	2.0984	0.7868	0.9652	2.5279
novaluron	116714-46-6	Inhibition of chitin biosynthesis, type 0	1.1619	2.0948	0.6651	1.2091	2.6403
teflubenzuron	83121-18-0	Inhibition of chitin biosynthesis, type 0	1.5009	2.1613	0.7556	0.7103	2.1522
flufenoxuron	101463-69-8	Inhibition of chitin biosynthesis, type 0	1.804	2.4421	0.5955	1.0551	2.8724
transfluthrin	118712-89-3	Pyrethroid sodium channel modulation	0.818	1.2948	0	0.4724	2.2225
flumiclorac-pentyl	87546-18-7	Ester	1.6345	2.3124	0	1.3859	2.974
flumioxazin	103361-09-7	Nonpolar	2.3161	2.6291	0.0852	1.7985	2.4163
flucycloxuron	113036-88-7	Inhibition of chitin biosynthesis, type 0	2.6658	2.6458	0.5955	1.4247	3.3138
2,6-difluorophenol	28177-48-2	Polar	0.5673	0.8303	0.499	0.324	0.8103
hydrogen cyanide	74-90-8	Oxidative phosphorylation inhibition	0.2965	0.761	0.0852	0.1868	0.2633
m-cccp***	555-60-2	Uncoupling oxidative phosphorylation	1.4375	1.9466	0.1986	0.8489	1.4457
2-cyanophenol	611-20-1	Polar	0.9566	1.385	0.499	0.5336	0.9298
theta-cypermethrin	71697-59-1	Pyrethroid sodium channel modulation	2.0519	2.4736	7.00E-04	1.1142	2.9733
b-fenvalerate	66267-77-4	Pyrethroid sodium channel modulation	2.2044	2.6593	7.00E-04	1.1022	3.1876
(+-)-cis,trans-deltamethrin	120710-23-8	Pyrethroid sodium channel modulation	2.4178	2.6373	7.00E-04	1.1147	3.0785
lactonitrile	78-97-7	Cyanate/nitrile	0.3985	0.983	0.4326	0.5084	0.6038
2-cyanopyridine	100-70-9	Polar	0.77	1.3	0	0.54	0.83
azoxystrobin	131860-33-8	Ester	2.3174	3.0145	0	1.8393	2.9165
thiocarboxime	25171-63-5	Carbamate	0.9536	1.4659	0.2139	1.0235	1.5032
methyl isothiocyanate	556-61-6	Cyanate/nitrile	0.6882	0.5026	0	0.0526	0.5677

allyl isothiocyanate	57-06-7	Cyanate/nitrile	0.8086	0.5686	0	0.1097	0.8065
nitromethane	75-52-5	Nonpolar	0.2283	0.707	7.00E-04	0.2415	0.4237
nitromusk ambrette	83-66-9	Polar	1.1872	1.7603	0	0.5673	1.9689
2,6-dinitrotoluene	606-20-2	Nonpolar	1.1199	1.7745	0	0.3098	1.2057
2,6-dinitro-4-cresol	609-93-8	Uncoupling oxidative phosphorylation	1.1833	1.5924	0	0.3626	1.2644
2-nitropropane	79-46-9	Nonpolar	0.2345	0.6999	7.00E-04	0.2753	0.7055
trinitrotoluene	118-96-7	Di/trinitroaromatic	1.3894	2.3446	0	0.4068	1.3799
dinoseb	88-85-7	Uncoupling oxidative phosphorylation	1.2533	1.7468	0.2827	0.4878	1.6871
4,6-dinitro-o-cresol	534-52-1	Uncoupling oxidative phosphorylation	1.2489	1.7495	0.2827	0.4509	1.2644
picric acid	88-89-1	Uncoupling oxidative phosphorylation	1.4285	2.22	0.0244	0.4589	1.2977
2,4-dinitroaniline	97-02-9	Uncoupling oxidative phosphorylation	1.4326	2.0121	0.2337	0.58	1.1646
4-nitrodiphenylamine	836-30-6	Polar	1.6439	1.9805	0.1845	0.5131	1.5982
2,4-dinitrophenol	51-28-5	Uncoupling oxidative phosphorylation	1.2246	1.8071	0.2827	0.4503	1.1235
3-chloro-3-nitrosalicylanilide	6491-02-7	Nonpolar	1.9251	2.3099	0.2228	0.6113	1.9359
flumetralin	62924-70-3	Nonpolar	1.6098	2.3294	0	0.5762	2.5288
colep	2665-30-7	Organophosphate	1.9869	1.9037	0	0.9023	2.1248
bis(dimethylthiocarbamyl) sulfide	97-74-5	Nonpolar	1.7805	1.4493	0	1.0165	1.5581
thiram	137-26-8	Nonpolar	2.1244	1.601	0	1.1431	1.7216
pentachloropyridine	2176-62-7	Uncoupling oxidative phosphorylation	1.2426	1.2564	0	0.1991	1.2873
n-(1-methyethyl)-2-propanamine	108-18-9	Nonpolar	0.1687	0.3305	0.1339	0.538	1.0538
n,n-dimethyl-p-toluidine	99-97-8	Nonpolar	0.8179	0.8555	0	0.4611	1.2389
1,4-benzenediamine, n,n-bis(1,4-dimethylpentyl)-	3081-14-9	Nonpolar	1.0188	1.1317	0.2595	0.8332	2.8886
n-isopropyl-n'phenyl-p-phenylenediamine	101-72-4	Nonpolar	1.6049	1.6442	0.2574	0.73	1.9465
n-(1,3-dimethylbutyl)-n-phenyl-1,4-benzenediamine	793-24-8	Nonpolar	1.6093	1.6415	0.2574	0.767	2.3692
1,4-benzenediamine, n-(1,4-dimethylpentyl)-n -phenyl-	3081-01-4	Nonpolar	1.6075	1.6459	0.2574	0.7701	2.5101

nitrapyrin	1929-82-4	Nonpolar	1.0736	1.1083	0	0.3819	1.3058
2-methylpyridine	109-06-8	Nonpolar	0.6244	0.7645	0	0.3999	0.8162
5-ethyl-2-methylpyridine	104-90-5	Nonpolar	0.647	0.7113	0	0.4036	1.098
n,n-diethylcyclohexylamine	91-65-6	Nonpolar	0.3815	0.4579	0	0.5509	1.5088
n-ethyl-n-(3-methylphenyl)-1,2-ethanediamine	19248-13-6	Nonpolar	0.9918	1.1982	0.2288	1.0051	1.6205
n-ethyl-m-toluidine	102-27-2	Nonpolar	0.7995	0.8485	0.1297	0.4093	1.2389
terbuthylazine	5915-41-3	Nonpolar	1.2306	1.1947	0.3628	0.8957	1.7605
simazine	122-34-9	Nonpolar	1.2496	1.2526	0.3628	0.8551	1.4787
dinotefuran	165252-70-0	nAChR agonism	0.9497	1.1742	0.3987	1.5099	1.4756
fenarimol	60168-88-9	Nonpolar	2.3192	2.0027	0.3126	1.2328	2.2942
4-phenylpyridine	939-23-1	Nonpolar	1.4303	1.2926	0	0.4958	1.2831
octyl dimethyl amine	7378-99-6	Polar	0.1606	0.3867	0	0.5469	1.6174
n,n-dimethyl-1-dodecanamine	112-18-5	Nonpolar	0.1535	0.4042	0	0.5593	2.181
didecyldimethylammonium chloride	7173-51-5	Nonpolar	-0.2402	0.1742	0	0.1154	3.3297
1,1-dimethylhydrazine	57-14-7	Hydrazine	0.4304	0.5662	0.2107	0.9509	0.59
monomethylhydrazine	60-34-4	Hydrazine	0.4138	0.5548	0.3446	0.896	0.4491
salicylaldoxime	94-67-7	Polar	1.2025	1.0479	0.8117	0.802	1.0315
bromo-3-chloro-5,5-dimethylhydantoin(bcdmh)	16079-88-2	Nonpolar	1.2564	1.4976	0	1.0718	1.2329
3,5 dimethyl-1-(hydroxymethyl)pyrazole	85264-33-1	Nonpolar	0.9561	1.055	0.3126	0.6622	1.0177
amicarbazone	129909-90-6	Nonpolar	1.3022	1.5111	0.3718	1.7743	1.8964
fluthiacet methyl	117337-19-6	Ester	2.4265	2.4965	0	1.7723	2.5808
chlorprazophos	36145-08-1	Organophosphate	1.984	1.3222	0	1.3322	2.2353
dithiopyr	97886-45-8	Nonpolar	1.2471	1.5633	0.088	1.115	2.5307
fluroxypyr acid	69377-81-7	Nonpolar	1.2203	1.9039	0.867	1.0086	1.4524
fluroxypyr 1-methylheptyl ester	81406-37-3	Ester	1.1113	1.8778	0.2955	1.061	2.5796

pyrimitate	5221-49-8	Organophosphate	1.525	1.2832	0	1.5011	2.2645
cyromazine	6215-27-8	Modulating Distruptor, dipteran	1.7424	1.7811	0.583	1.1924	1.2066
quizalofop-ethyl	76578-14-8	Ester	2.2639	2.308	0	1.4209	2.6297
dipropyl 2,5-pyridinedicarboxylate	136-45-8	Ester	0.7662	1.5242	0	1.0741	1.9513
fluazinam	79622-59-6	Uncoupling oxidative phosphorylation	1.6113	1.9706	0.2191	0.4237	2.3635
hydramethylnon	67485-29-4	Oxidative phosphorylation inhibition	1.6104	0.993	0.3987	1.3304	3.3801
clodinafop-propargyl	105512-06-9	Ester	1.6513	2.1516	0.0852	1.252	2.3743
fenazaquin	120928-09-8	Oxidative phosphorylation inhibition	1.9899	1.658	0	0.9281	2.5151
amitrole	61-82-5	Nonpolar	1.107	1.4256	0.7879	0.6818	0.595
benzamide	55-21-0	Nonpolar	1	1.55	0.49	0.66	0.9728
2-hydroxybenzamide	65-45-2	Nonpolar	1.16	1.57	0.62	0.61	1.0315
2,6-dichlorobenzamide	2008-58-4	Nonpolar	1.2712	1.6932	0.4867	0.5989	1.2176
m-bromobenzamide	22726-00-7	Nonpolar	1.3272	1.7088	0.4867	0.658	1.1478
4-tert-butylbenzamide	56108-12-4	Nonpolar	1.0004	1.4358	0.4867	0.7051	1.5364
thiourea	62-56-6	Polar	1.0696	0.9735	0.4215	0.8158	0.5696
3,3-dichloro-[1,1-biphenyl]-4,4-diamine	91-94-1	Polar	2.2456	2.1057	0.4533	0.8163	1.7686
24diaminotoluene	95-80-7	Polar	1.1656	1.399	0.4533	0.6902	1.0569
tricyclo[3.3.1.13,7]decan-1-amine	768-94-5	Nonpolar	0.8383	0.6755	0.2107	0.6443	1.2916
4-bromoaniline	106-40-1	Polar	1.1933	1.2742	0.2834	0.4175	0.9912
p-toluidine	106-49-0	Polar	0.8834	1.0235	0.2266	0.4311	0.9571
4butylaniline	104-13-2	Polar	0.8781	1.0366	0.2266	0.4404	1.3798
aniline	62-53-3	Polar	0.859	1.0811	0.2266	0.4304	0.8162
fipronil	120068-37-3	Pyrazole GABA antagonism	1.9672	3.1506	0.2955	1.319	2.253
2,4,6-trichloroaniline	634-93-5	Polar	1.24	1.34	0.28	0.31	1.1834
pentafluoroaniline	389-40-2	Polar	0.29	0.97	0.39	0.15	0.9042
2,4,5-trichloroaniline	636-30-6	Polar	1.23	1.36	0.35	0.27	1.1834
3,5-dichloroaniline	626-43-7	Polar	1.1	1.21	0.33	0.28	1.061

3-chloroaniline	108-42-9	Polar	0.99	1.15	0.3	0.37	0.9386
2,4-dichloroaniline	554-00-7	Polar	1.12	1.26	0.28	0.35	1.061
2-nitroaniline	88-74-4	Polar	1.16	1.44	0.18	0.48	0.9904
1-naphthylamine	134-32-7	Polar	1.58	1.4	0.23	0.49	1.1852
2,3,5,6-tetrachloroaniline	3481-20-7	Uncoupling oxidative phosphorylation	1.3134	1.4242	0.3299	0.1672	1.3058
2,4-dichloro-6-nitroaniline	2683-43-4	Uncoupling oxidative phosphorylation	1.4209	1.622	0.2337	0.401	1.2352
2-amino-5-bromopyridine	1072-97-5	Polar	1.2581	1.3369	0.2834	0.6029	0.9501
2-amino-4'-chlorobenzophenone	2894-51-1	Nonpolar	1.8502	1.8513	0.1769	0.7769	1.703
gs-omega/kappa hxtx-hv1a peptide	7361-43-5	Compounds of unknown or uncertain MOA	0.9067	2.0267	1.2833	1.8595	1.1615
1,2-propanediamine	78-90-0	Amine	0.3909	0.8163	0.4395	1.1416	0.7309
2-propen-1-amine	107-11-9	Nonpolar	0.3276	0.5554	0.2107	0.6271	0.5881
butylamine	109-73-9	Amine	0.2019	0.5025	0.2107	0.5793	0.772
octylamine	111-86-4	Amine	0.1948	0.5199	0.2107	0.5917	1.3356
1-nonanamine	112-20-9	Amine	0.1931	0.5243	0.2107	0.5948	1.4765
(z)-9-octadecen-1-amine	112-90-3	Nonpolar	0.333	0.6623	0.2107	0.6859	2.7016
1-dodecanamine	124-22-1	Nonpolar	0.1878	0.5374	0.2107	0.6041	1.8992
1-tridecanamine	2869-34-3	Nonpolar	0.186	0.5418	0.2107	0.6072	2.0401
1,3-diaminopropane	109-76-2	Amine	0.4029	0.8181	0.4215	1.1194	0.7309
ethylene diamine	107-15-3	Polar	0.3829	0.8277	0.4395	1.1109	0.59
1,2-ethanediamine, n-[3-(trimethoxysilyl)propyl]-	1760-24-3	Nonpolar	0.2304	1.0813	0.3626	1.6874	1.8572
2,4,5-trimethyloxazole	20662-84-4	Nonpolar	0.5282	0.6622	0	0.3903	0.9179
2,3-dihydrobenzofuran	496-16-2	Nonpolar	0.8557	0.8183	0	0.3053	0.9483
2,6-dimethoxyphenol	91-10-1	Polar	0.7684	1.0306	0.1624	0.5629	1.1743
2-methoxyphenol	90-05-1	Polar	0.7659	0.9647	0.2746	0.4713	0.9747
2-isopropoxyphenol	4812-20-8	Organophosphate	0.772	0.9577	0.2746	0.5051	1.2565
2-methoxy-4-propenylphenol	97-54-1	Polar	0.9426	1.0146	0.2746	0.5414	1.3544

eugenol	97-53-0	Polar	0.9106	0.9732	0.2746	0.5291	1.3544
piperonyl butoxide	51-03-6	Nonpolar	1.0257	1.3627	0	1.174	2.733
1,2-dimethoxy-4-(2-propenyl)benzene	93-15-2	Nonpolar	0.8388	1.3053	0	0.6344	1.4953
tert-butyl methyl ether	1634-04-4	Nonpolar	0.02	0.27	0	0.29	0.8718
diisopropyl ether	108-20-3	Nonpolar	0.06	0.31	0	0.31	1.0127
1-methoxy-4-(2-propenyl)-benzene	140-67-0	Nonpolar	0.765	0.7973	0	0.3861	1.2957
4-methoxyphenol	150-76-5	Polar	0.8517	1.0306	0.499	0.5917	0.9747
4-benzyloxyphenol	103-16-2	Polar	1.4244	1.4956	0.499	0.6809	1.5825
cineole	470-82-6	Nonpolar	0.4326	0.3881	0	0.3162	1.3591
butoxybenzene	1126-79-0	Nonpolar	0.61	0.8	0	0.34	1.3387
2-phenoxyethanol	122-99-6	Nonpolar	0.86	1.01	0.23	0.7	1.1156
3-methoxyphenol	150-19-6	Polar	0.8274	0.9858	0.499	0.5459	0.9747
prometon	1610-18-0	Nonpolar	1.2023	1.2602	0.2595	1.1884	1.8377
3,4-dihydro-2h-pyran-2-carbaldehyde	100-73-2	Carbonyl	0.6488	1.0643	0	0.6096	0.8768
phenyloxirane	96-09-3	Alkylation	0.8393	0.8644	0	0.3354	0.9483
phenyl glycidyl ether	122-60-1	Nonpolar	0.877	1.0232	0	0.5508	1.1479
2-ethylhexyl glycidyl ether	2461-15-6	Nonpolar	0.2998	0.5773	0	0.514	1.6673
oxazolidine e	7747-35-5	Nonpolar	0.6516	0.7898	0	0.9495	1.0949
diethyl ether	60-29-7	Nonpolar	0.04	0.34	0	0.25	0.7309
tetrahydrofuran	109-99-9	Nonpolar	0.2534	0.4239	0	0.2247	0.6223
dibutyl ether	142-96-1	Nonpolar	0.04	0.35	0	0.26	1.2945
2-butoxyethanol	111-76-2	Nonpolar	0.2782	0.5576	0.2277	0.6254	1.0714
dipentyl ether	693-65-2	Nonpolar	0.03	0.36	0	0.27	1.5763
4-(2-hydroxyethyl) morpholine	622-40-2	Nonpolar	0.6578	0.8226	0.2277	1.0941	1.0626
4-(2-benzothiazolylthio)morpholine	102-77-2	Nonpolar	2.1178	1.7322	0	1.1691	1.746
morpholine, 4,4-dithiobis-	103-34-4	Nonpolar	1.5215	1.3422	0	1.6636	1.6626

morpholine	110-91-8	Nonpolar	0.3709	0.6159	0.1609	0.6571	0.7221
2-ethoxyethanol	110-80-5	Nonpolar	0.2817	0.5489	0.2277	0.6192	0.7896
1,4-dioxane	123-91-1	Nonpolar	0.2928	0.5784	0	0.4371	0.681
2-(2-ethoxyethoxy)ethanol	111-90-0	Nonpolar	0.32	0.71	0.23	0.84	1.1301
2-(2-butoxyethoxy)ethanol	112-34-5	Nonpolar	0.3141	0.7208	0.2277	0.844	1.4119
triethylene glycol	112-27-6	Nonpolar	0.56	0.92	0.46	1.21	1.1888
5,8,11,13,16,19-hexaoxatricosane	143-29-3	Nonpolar	0.2164	1.166	0	1.3504	2.8561
trioxane	110-88-3	Nonpolar	0.334	0.7285	0	0.6463	0.5988
quinitofos	1776-83-6	Organophosphate	2.4776	1.7919	0	1.1505	2.4194
temephos	3383-96-8	Organophosphate	2.7578	1.9722	0	1.9433	3.1397
o,o-diethyl phosphoro chloridothionate	2524-04-1	Organophosphate	0.688	0.5587	0	0.6357	1.2801
diazinon	333-41-5	Organophosphate	1.3105	1.1009	0	1.3778	2.3056
thionazin	297-97-2	Organophosphate	1.2479	1.1655	0	1.3187	1.742
cyhexatin	13121-70-5	Oxidative phosphorylation inhibition	0.6307	0.6427	0.3126	0.3911	2.3551
formaldehyde	50-00-0	Carbonyl	0.2096	0.6768	0	0.3021	0.2652
2,3-hexanedione	3848-24-6	Nonpolar	0.4237	1.1751	0	0.6498	0.9854
pindone	83-26-1	Anticoagulation	1.4365	2.0834	0	1.085	1.7821
2,4-dichloroacetophenone	2234-16-4	Nonpolar	1.0656	1.2771	0	0.361	1.2587
2-hydroxy-5-methylacetophenone	1450-72-2	Polar	0.9766	1.099	0.1328	0.3757	1.2135
3,3-dimethyl-2-butanone	75-97-8	Nonpolar	0.2	0.62	0	0.38	0.9697
2,2,4,4-tetramethyl-3-pentanone	815-24-7	Nonpolar	0.1752	0.563	0	0.4241	1.3924
3-methyl-2-butanone	563-80-4	Nonpolar	0.22	0.66	0	0.37	0.8288
pyrethrins	8003-34-7	Pyrethroid sodium channel modulation	1.2437	1.428	0	1.0903	2.7684
2,6-dimethylcyclohexanone	2816-57-1	Nonpolar	0.4385	0.7472	0	0.3838	1.1429
4-hydroxyacetophenone	99-93-4	Polar	1.0188	1.3413	0.6636	0.6965	1.0726
4-hydroxypropiophenone	70-70-2	Polar	1.017	1.3457	0.6636	0.6996	1.2135
4-hydroxy-3-	498-02-2	Polar	1.0007	1.4035	0.4391	0.7788	1.2722

methoxyacetophenone							
methylcyclohexanone	583-60-8	Nonpolar	0.4305	0.7587	0	0.3531	1.002
2-hydroxy-4-methoxybenzophenone	131-57-7	Polar	1.5701	1.7004	0.1328	0.6182	1.7391
benzophenone	119-61-9	Nonpolar	1.37	1.59	0	0.51	1.4808
3-hydroxyacetophenone	121-71-1	Polar	1.0188	1.3413	0.5596	0.6965	1.0726
1-(4-pyridinyl)ethanone	1122-54-9	Polar	0.8349	1.2608	0	0.7068	0.9728
beta-ionone	79-77-6	Nonpolar	0.6641	0.8178	0	0.537	1.7614
bioethanomethrin	22431-62-5	Pyrethroid sodium channel modulation	1.5638	1.485	0	0.7274	2.9309
2,4-hexanedione	3002-24-2	Nonpolar	0.4237	1.1751	0	0.6498	0.9854
4-methyl-2-pentanone	108-10-1	Nonpolar	0.22	0.67	0	0.37	0.9697
4-hydroxy-4-methyl-2-pentanone	123-42-2	Nonpolar	0.3974	0.8891	0.3126	0.6565	1.0284
2-butanone	78-93-3	Nonpolar	0.22	0.67	0	0.34	0.6879
3-pentanone	96-22-0	Nonpolar	0.21	0.68	0	0.34	0.8288
5-methyl-2-hexanone	110-12-3	Nonpolar	0.22	0.67	0	0.38	1.1106
2-pentanone	107-87-9	Nonpolar	0.21	0.68	0	0.34	0.8288
6-methyl-5-heptene-2-one	110-93-0	Nonpolar	0.34	0.73	0	0.43	1.2085
2-hexanone	591-78-6	Nonpolar	0.21	0.68	0	0.35	0.9697
2-heptanone	110-43-0	Nonpolar	0.21	0.69	0	0.35	1.1106
3-octanone	106-68-3	Nonpolar	0.2079	0.6919	0	0.3522	1.2515
2-octanone	111-13-7	Nonpolar	0.21	0.69	0	0.35	1.2515
2-undecanone	112-12-9	Nonpolar	0.2	0.71	0	0.36	1.6742
2-tridecanone	593-08-8	Nonpolar	0.1991	0.7138	0	0.3677	1.956
trichloro-s-triazinetrione	87-90-1	Nonpolar	1.3876	2.0832	0	1.168	1.1364
strychnine	57-24-9	Strychnine	2.6241	1.9864	0	1.6846	2.4093
diazepam	439-14-5	GABA agonism	2.1079	1.7246	0	1.0406	2.0739
1,3-diethyl-2-thiobarbituric acid	5217-47-0	Nonpolar	1.535	2.0843	0	1.3705	1.4787
fluometuron	2164-17-2	Nonpolar	0.6749	1.2547	0.3832	0.7355	1.5481

diethyl toluamide (deet)	134-62-3	Nonpolar	0.927	1.4703	0	0.7374	1.6773
linuron	330-55-2	Nonpolar	1.3102	1.8176	0.44	0.9803	1.6579
2-[(trichloromethyl)thio]-3a,4,7,7a-tetrahydro-1h-isoindole-1,3(2h)-dione	133-06-2	Nonpolar	1.7998	1.5878	0	1.1621	1.7784
2,2-dibromo-3-nitrilopropionamide	10222-01-2	Cyanate/nitrile	1.118	1.8587	0.4867	0.7024	1.0106
urea	57-13-6	Nonpolar	0.6345	1.1745	0.721	0.6874	0.4648
diflubenzuron	35367-38-5	Inhibitors of chitin biosynthesis, type 0	1.6479	2.1529	0.6523	0.9434	1.9946
acetanilide	103-84-4	Nonpolar	0.8915	1.4226	0.4086	0.6674	1.1137
pyrinuron	53558-25-1	Oxidative phosphorylation inhibition	1.8821	2.6369	0.5713	1.2653	1.9544
cymoxanil	57966-95-7	Nonpolar	0.9201	1.8707	0.4422	1.3883	1.4552
acetic acid	64-19-7	Nonpolar	0.1749	0.6145	0.5715	0.3572	0.4648
endothall	145-73-3	Nonpolar	0.8333	1.3465	0.9718	0.9789	1.2261
4-hydroxybenzoic-acid	99-96-7	Polar	0.9768	1.2857	1.0018	0.717	0.9904
2,6-pyridicarboxylic acid	499-83-2	Uncoupling oxidative phosphorylation	0.9858	1.5883	1.1431	1.0554	1.1059
heptanoic acid	111-14-8	Nonpolar	0.166	0.6363	0.5715	0.3727	1.1693
nonanoic acid	112-05-0	Nonpolar	0.1625	0.6451	0.5715	0.3789	1.4511
undecylenic acid	112-38-9	Nonpolar	0.2828	0.7111	0.5715	0.4361	1.6899
lauric acid	143-07-7	Nonpolar	0.1571	0.6582	0.5715	0.3882	1.8738
tridecanoic acid	638-53-9	Nonpolar	0.1554	0.6626	0.5715	0.3913	2.0147
mcpa acid	94-74-6	Nonpolar	0.9627	1.2876	0.5715	0.6464	1.3946
carbaryl	63-25-2	Carbamate	1.5553	1.6596	0.2132	0.7046	1.5414
bromoxynil octanoate	1689-99-2	Ester	1.4146	1.8568	0	0.5334	2.4227
isoprocarb	2631-40-5	Carbamate	0.8674	1.271	0.2132	0.6809	1.5951
fenobucarb	3766-81-2	Carbamate	0.8656	1.2754	0.2132	0.684	1.736
2-hydroxyphenyl methylcarbamate	10309-97-4	Carbamate	0.9825	1.5116	0.4878	0.7894	1.2311
carbofuran	1563-66-2	Carbamate	1.0966	1.4065	0.2132	0.8671	1.6861
4-(4-(acetyloxy)phenyl)-2-butanone	3572-06-3	Ester	0.8743	1.4818	0	0.7603	1.6519

xylylcarb	2425-10-7	Carbamate	0.8856	1.2206	0.2132	0.6478	1.4542
physostigmine (eserine)	57-47-6	Carbamate	1.6801	1.8174	0.2132	1.5015	2.1411
phenyl salicylate	118-55-8	Ester	1.3785	1.5208	0.1328	0.4849	1.5982
metolcarb	1129-41-5	Carbamate	0.8612	1.2781	0.2132	0.6471	1.3133
methyl acetate	79-20-9	Ester	0.0686	0.5737	0	0.3604	0.6057
methyl anthranilate	134-20-3	Ester	0.9802	1.2143	0.1769	0.7174	1.1724
methyl-4-hydroxybenzoate	99-76-3	Polar	0.8706	1.2449	0.6636	0.7201	1.1313
methyl carbamate	598-55-0	Carbamate	0.3698	0.9142	0.4445	0.5454	0.5646
vinyl 6,6-dimethylheptanoate	54423-67-5	Alkylation	0.1629	0.5993	0	0.4705	1.6899
trimethacarb	12407-86-2	Carbamate	0.91	1.163	0.2132	0.6484	1.5951
isobutylmethacrylate	97-86-9	Polar	0.1722	0.5802	0	0.4704	1.2672
isobutylacrylate	106-63-8	Acrylate	0.1952	0.6326	0	0.4513	1.1263
tetrahydrofurfuryl methacrylate	2455-24-5	Ester	0.421	0.826	0	0.6622	1.3582
acetic acid ethyl ester	141-78-6	Ester	0.0668	0.5781	0	0.3635	0.7466
ethyl salicylate	118-61-6	Ester	0.8023	1.0646	0.1328	0.4018	1.2722
ethyl chrysanthemate	97-41-6	Ester	0.4024	0.6436	0	0.5336	1.7222
ethyl-4-hydroxybenzoate	120-47-8	Polar	0.8688	1.2493	0.6636	0.7232	1.2722
chlorobenzilate	510-15-6	Diphenyl sodium channel modulation	1.6451	1.563	0.172	1.029	2.2657
allyl methacrylate	96-05-9	Acrylate	0.2882	0.6489	0	0.4906	1.0833
(+-)-cis-permethrin	61949-76-6	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
(+-)-trans-permethrin	61949-77-7	Pyrethroid sodium channel modulation	1.8612	1.9369	0	0.9117	2.8186
dodecylacrylate	2156-97-0	Nonpolar	0.1713	0.6834	0	0.4485	2.2535
2-propenoic acid, 2-(dimethylamino)ethyl ester	2439-35-2	Acrylate	0.354	0.8264	0	0.916	1.2261
2-hydroxyethylsalicylate	87-28-5	Polar	1.0418	1.2765	0.3604	0.7727	1.3309
1,2-ethanediol diacetate	111-55-7	Ester	0.1274	0.9824	0	0.6971	1.1028
dichlorprop-butoxyethyl ester	53404-31-2	Ester	0.9771	1.538	0	0.8384	2.4211
triclopyr butoxyethyl ester	64700-56-7	Ester	1.1232	1.7794	0	1.0124	2.3615

aldicarb	116-06-3	Carbamate	0.7765	0.908	0.2132	0.87	1.4894
acequinocyl	57960-19-7	Oxidative phosphorylation inhibition	1.3228	1.974	0	1.2629	3.2498
4,5-dichloro-2-n-octyl-3(2h)-isothiazolone	64359-81-5	Nonpolar	1.2303	1.5967	0	0.8633	2.0307
octhilinone	26530-20-1	Nonpolar	1.0302	1.4264	0	0.8323	1.7859
picrotoxin	124-87-8	Alicyclic GABA antagonism	1.8353	4.0035	0.6253	2.0018	2.004
diphacinone	82-66-6	Anticoagulation	2.6124	3.051	0	1.2473	2.575
cis-captafol	2939-80-2	Nonpolar	2.0961	1.7027	0.088	1.2774	2.0417
difenacoum	56073-07-5	Anticoagulation	3.4186	2.7327	0.3126	1.1115	3.399
flocoumafen	90035-08-8	Anticoagulation	2.8868	2.5956	0.3126	1.2027	3.7923
difethialone	104653-34-1	Anticoagulation	4.241	3.1426	0.3126	1.2117	3.6788
3,5-dichlorosalicylaldehyde	90-60-8	Polar	1.1672	1.2411	0.1356	0.1948	1.1765
2-vanillin	148-53-8	Polar	0.9571	1.2712	0	0.4384	1.1313
5-bromovanillin	2973-76-4	Polar	1.2473	1.4587	0.2708	0.6119	1.3063
4-nitrobenzaldehyde	555-16-8	Carbonyl	1.0837	1.7532	0	0.5007	1.0472
4-(diethylamino)benzaldehyde	120-21-8	Nonpolar	1.0478	1.413	0	0.7551	1.5364
4-hydroxybenzaldehyde	123-08-0	Polar	1.0417	1.3938	0.6636	0.6774	0.9317
vanillin	121-33-5	Polar	1.0237	1.456	0.4391	0.7597	1.1313
3-ethoxy-4-hydroxybenzaldehyde	121-32-4	Polar	1.0219	1.4603	0.4391	0.7628	1.2722
isovanillin	621-59-0	Polar	1.0237	1.456	0.3351	0.7597	1.1313
2-methylpentanal	123-15-9	Carbonyl	0.2424	0.7242	0	0.3576	0.9697
3-hydroxybenzaldehyde	100-83-4	Polar	1.0417	1.3938	0.5596	0.6774	0.9317
furfural	98-01-1	Carbonyl	0.5965	1.0608	0	0.4389	0.6929
acrolein	107-02-8	Alkylation	0.3619	0.7842	0	0.3716	0.504
4-dimethylaminocinnamaldehyde	6203-18-5	Alkylation	1.2037	1.5117	0	0.8183	1.4934
propanal	123-38-6	Carbonyl	0.238	0.7269	0	0.3207	0.547
heptaldehyde	111-71-7	Nonpolar	0.2309	0.7444	0	0.3331	1.1106
decanal	112-31-2	Nonpolar	0.2256	0.7575	0	0.3424	1.5333

undecyl aldehyde	112-44-7	Nonpolar	0.2238	0.7619	0	0.3455	1.6742
tridecyl aldehyde	10486-19-8	Nonpolar	0.2203	0.7706	0	0.3517	1.956
n,n-dimethylformamide	68-12-2	Nonpolar	0.3547	1.111	0	0.6253	0.6468
pentachloronitrobenzene	82-68-8	Nonpolar	1.4685	1.6964	0	0.0121	1.5026
ethalfluralin	55283-68-6	Di/trinitroaromatic	1.0903	1.8427	0	0.6191	2.1607
4-chloro-2,6-dinitroaniline	5388-62-5	Uncoupling oxidative phosphorylation	1.6046	1.9978	0.2038	0.5403	1.287
butralin	33629-47-9	Di/trinitroaromatic	1.3791	1.5934	0.0501	0.6098	2.2918
2-nitrodiphenylamine	119-75-5	Polar	1.6784	1.7714	0.0779	0.4688	1.5982
fluorodifen	15457-05-3	Uncoupling oxidative phosphorylation	1.3957	2.1612	0	0.4938	1.925
2,6-dibromo-4-nitrophenol	99-28-5	Uncoupling oxidative phosphorylation	1.5643	1.5645	0.4177	0.2907	1.2993
2,6-dichloro-4-nitrophenol	618-80-4	Uncoupling oxidative phosphorylation	1.1984	1.4007	0.4177	0.2903	1.1941
2,6-diiodo-4-nitrophenol	305-85-1	Uncoupling oxidative phosphorylation	2.1765	1.6925	0.4177	0.3331	1.4657
hexanitrodiphenylamine	131-73-7	Polar	3.0951	4.2034	0.0778	0.865	2.4692
1,3,5-trinitrobenzene	99-35-4	Di/trinitroaromatic	1.3651	2.4022	0	0.4061	1.239
n,n-dimethyl-4-nitroaniline	100-23-2	Polar	1.0631	1.4831	0	0.5573	1.2722
4-nitroanisole	100-17-4	Polar	0.8898	1.3589	0	0.4252	1.0902
diisopropyl fluorophosphate	55-91-4	Organophosphate	0.1444	0.5076	0	1.0359	1.3523
fosetyl	15845-66-6	Nonpolar	0.4998	0.6863	0.3126	1.0541	0.7711
(z)-mevinphos	338-45-4	Organophosphate	0.4616	1.1384	0	1.6367	1.5657
dichlorvos	62-73-7	Organophosphate	0.6453	1.0137	0	1.299	1.3134
fospirate	5598-52-7	Organophosphate	1.2421	1.5161	0	1.4086	1.7637
diphenprofos	59010-86-5	Organophosphate	2.2414	1.8516	0	1.4173	2.8588
diethyl benzylphosphonate	1080-32-6	Nonpolar	0.7996	1.0028	0	1.1007	1.8016
fosthietan	21548-32-3	Organophosphate	1.2956	0.806	0	1.3964	1.6099
mephosfolan	950-10-7	Organophosphate	1.3018	0.7989	0	1.4302	1.8917
cyanthoate	3734-95-0	Organophosphate	1.0398	2.0618	0.2553	1.9164	2.1911
fosthiazate	98886-44-3	Organophosphate	1.0793	2.4698	0	1.2744	2.0326
cadusafos	95465-99-9	Organophosphate	0.8858	0.6769	0	1.123	2.1666

diiodomethyl p-tolyl sulfone	20018-09-1	Nonpolar	1.9005	1.977	0.088	0.6859	1.7955
bis (trichloromethyl) sulfone	3064-70-8	Nonpolar	0.7099	1.6133	0	0.5356	1.4057
famphur	52-85-7	Organophosphate	1.693	1.8824	0	1.7517	2.2049
cythioate	115-93-5	Organophosphate	1.7837	1.9101	0.4419	1.682	1.9231
sulfluramid	4151-50-2	Uncoupling oxidative phosphorylation	-0.7615	-0.0259	0.3651	0.7246	2.1975
dimethyl sulfate	77-78-1	Alkylation	0.163	1.3483	0	0.9392	0.7887
antimycin a	1397-94-0	Oxidative phosphorylation inhibition	1.8381	3.7073	0.9701	2.4742	4.2205
2-(4,5-dimethyl-1,3-dioxolan-2-yl)phenyl-n-methylcarbamate	7122-04-5	Carbamate	1.1733	1.644	0.2132	1.1434	1.8857
fenoxaprop-ethyl	66441-23-4	Ester	2.0935	2.3216	0	1.313	2.4907
clomazone	81777-89-1	Nonpolar	1.3519	1.5986	0	1.0728	1.7498
difenoconazole	119446-68-3	Nonpolar	2.5539	2.5757	0	1.2669	2.7276
propybicyphat	51486-74-9	Alicyclic GABA antagonism	0.6696	0.8083	0	1.2172	1.3171
alpha-endosulfan (endosulfan ii)	33213-65-9	Alicyclic GABA antagonism	2.2254	2.5403	0	1.4315	2.0819
methanol	67-56-1	Nonpolar	0.21	0.44	0.31	0.3	0.3082
2,6-dichlorobenzoic acid	50-30-6	Nonpolar	1.0237	1.2215	0.5715	0.3815	1.1765
2,4-db acid	94-82-6	Nonpolar	1.0413	1.4227	0.5715	0.5829	1.6579
glyphosate	1071-83-6	Nonpolar	0.873	1.377	1.3307	1.9007	1.0862
triclopyr	55335-06-3	Polar	1.1988	1.6439	0.5715	0.7815	1.4574
34dimethyl1pentyn3ol	1482-15-1	Nonpolar	0.4458	0.5593	0.3978	0.4398	1.0676
3methyl1pentyn3ol	77-75-8	Nonpolar	0.4378	0.5708	0.3978	0.4091	0.9267
1-heptyn-3-ol	7383-19-9	Alkylation	0.4612	0.626	0.3978	0.4053	1.0676
1-octyn-3-ol	818-72-4	Alkylation	0.4595	0.6303	0.3978	0.4084	1.2085
pentabromophenol	608-71-9	Uncoupling oxidative phosphorylation	2.1852	1.5387	0.7039	0	1.6501
3,4,5,6-tetrabromo-2-cresol	576-55-6	Uncoupling oxidative phosphorylation	1.9389	1.3664	0.7881	0.0531	1.616
pentachlorophenol	87-86-5	Uncoupling oxidative phosphorylation	1.2704	1.1293	0.7039	0	1.3871
tetrachlorocatechol	1198-55-6	Uncoupling oxidative phosphorylation	1.2153	1.1375	1.3517	0.0112	1.3234
2,2'-dihydroxybiphenyl	1806-29-7	Uncoupling oxidative phosphorylation	1.8417	1.5837	0.9981	0.7591	1.4416

2,3,5-trimethylphenol	697-82-5	Polar	0.857	0.7299	0.499	0.3909	1.1978
2,4-dimethyl-3-pentanol	600-36-2	Nonpolar	0.23	0.42	0.31	0.4	1.1536
2,4-dibromophenol	615-58-7	Polar	1.3418	1.0983	0.5018	0.2281	1.1251
tetrabromobisphenol-a	79-94-7	Polar	2.6111	1.6465	0.493	0.4029	2.5643
2-(tert)-butyl-4-methylphenol	2409-55-4	Polar	0.8119	0.7339	0.499	0.434	1.4796
6-(tert)-butyl-2,4-dimethylphenol	1879-09-0	Polar	0.8362	0.6764	0.3117	0.4346	1.6205
26ditertbutyl4methylphenol	128-37-0	Polar	0.8154	0.6229	0.3117	0.4784	2.0432
2,4-dimethylphenol	105-67-9	Polar	0.8327	0.7874	0.499	0.3902	1.0569
2-benzyl-4-chlorophenol	120-32-1	Polar	1.5323	1.4212	0.6702	0.4657	1.6462
2,4-dichlorophenol	120-83-2	Polar	0.9759	0.9346	0.5018	0.2277	1.0199
246triiodophenol	609-23-4	Polar	2.5372	1.3727	0.4177	0.2164	1.5497
4-chloro-2-isopropyl-5-methylphenol	89-68-9	Polar	0.9902	0.8915	0.6702	0.4109	1.4611
2,3,4,6-tetrachlorophenol	58-90-2	Uncoupling oxidative phosphorylation	1.1701	1.0362	0.6085	0.068	1.2647
dinosam	4097-36-3	Uncoupling oxidative phosphorylation	1.2516	1.7511	0.2827	0.4909	1.828
alpha-terpineol	98-55-5	Nonpolar	0.5336	0.5276	0.3126	0.4484	1.4247
2-bromophenol	95-56-7	Polar	1.028	0.919	0.3307	0.2971	0.9501
2-(tert)-butylphenol	88-18-6	Polar	0.7875	0.7915	0.499	0.4333	1.3387
2-methylphenol	95-48-7	Polar	0.8083	0.845	0.499	0.3896	0.916
2-ethylphenol	90-00-6	Polar	0.8065	0.8494	0.499	0.3927	1.0569
2-allylphenol	1745-81-9	Polar	0.9287	0.911	0.499	0.4467	1.1548
2-chlorophenol	95-57-8	Polar	0.84	0.84	0.33	0.3	0.8975
1r,2s,5r-(-)-menthol	2216-51-5	Nonpolar	0.4435	0.5049	0.3126	0.4175	1.4677
2,3,6-trimethylphenol	2416-94-6	Polar	0.857	0.7299	0.3117	0.3909	1.1978
2-chloro-5-methylphenol	615-74-7	Polar	0.8694	0.7795	0.3307	0.2976	1.0384
4-hexylresorcinol	136-77-6	Polar	1.0066	1.0638	0.9981	0.6227	1.6792
4-chlororesorcinol	95-88-5	Polar	1.0561	1.0652	1.0009	0.5043	0.9562
2-methyl-2-propanol	75-65-0	Nonpolar	0.19	0.39	0.31	0.35	0.7309
2-propanol	67-63-0	Nonpolar	0.22	0.43	0.31	0.34	0.59

(r)-(-)-2-butanol	14898-79-4	Nonpolar	0.2139	0.4392	0.3126	0.3397	0.7309
4-pentyn-2-ol	2117-11-5	Alkylation	0.4648	0.6172	0.3978	0.3991	0.7858
nerolidol	7212-44-4	Nonpolar	0.5625	0.5775	0.3126	0.59	2.1518
dicofol	115-32-2	Diphenyl sodium channel modulation	1.9627	1.6419	0.42	0.6809	2.2767
3,5-di-(tert)-butylphenol	1138-52-9	Polar	0.7911	0.6804	0.499	0.4777	1.9023
2-methyl-2,4-pentanediol	107-41-5	Nonpolar	0.4	0.65	0.63	0.66	1.0714
3-methyl-3-pentanol	77-74-7	Nonpolar	0.19	0.4	0.31	0.35	1.0127
2-butanol	78-92-2	Nonpolar	0.21	0.44	0.31	0.34	0.7309
3-pentanol	584-02-1	Nonpolar	0.2121	0.4436	0.3126	0.3428	0.8718
4-bromophenol	106-41-2	Polar	1.1182	1.0956	0.6702	0.376	0.9501
4-(tert)-butylphenol	98-54-4	Polar	0.7875	0.7915	0.499	0.4333	1.3387
4-(sec)-butylphenol	99-71-8	Polar	0.8127	0.8423	0.499	0.4265	1.3387
p-cresol	106-44-5	Polar	0.8083	0.845	0.499	0.3896	0.916
4ethylphenol	123-07-9	Polar	0.8065	0.8494	0.499	0.3927	1.0569
4propylphenol	645-56-7	Polar	0.8048	0.8537	0.499	0.3958	1.1978
4-pentylphenol	14938-35-3	Polar	0.8012	0.8625	0.499	0.402	1.4796
4-chlorophenol	106-48-9	Polar	0.9353	1.0138	0.6702	0.3758	0.8975
4-chloro-3-methylphenol	59-50-7	Polar	0.9596	0.9562	0.6702	0.3764	1.0384
benzyl-tert-butanol	103-05-9	Nonpolar	0.7596	0.8578	0.3126	0.4388	1.4796
4-phenylazophenol	1689-82-3	Uncoupling oxidative phosphorylation	1.6164	1.0988	0.499	0.675	1.5395
4-hydroxy-3-methoxybenzonitrile	4221-08-3	Polar	0.9385	1.4472	0.4458	0.616	1.1294
4-hydroxybenzylcyanide	14191-95-8	Polar	0.9893	1.3975	0.4998	0.5645	1.0707
cyclohexanol	108-93-0	Nonpolar	0.42	0.53	0.31	0.32	0.9041
3-bromophenol	591-20-8	Polar	1.0939	1.0508	0.6899	0.3302	0.9501
3-isopropylphenol	618-45-1	Polar	0.8145	0.8379	0.499	0.4234	1.1978
3-phenylphenol	580-51-8	Polar	1.6142	1.3731	0.499	0.4855	1.3829
2,3,4-trichlorophenol	15950-66-0	Polar	1.07	1	0.69	0.15	1.1423
2,3,6-trichlorophenol	933-75-5	Polar	1.04	0.93	0.44	0.11	1.1423

3,4-dichlorophenol	95-77-2	Polar	1.04	1.08	0.86	0.31	1.0199
3,5-dichlorophenol	591-35-5	Polar	1.03	1.03	0.79	0.24	1.0199
3-chlorophenol	108-43-0	Polar	0.91	0.97	0.69	0.33	0.8975
2,5-dichlorophenol	583-78-8	Polar	0.98	0.93	0.52	0.23	1.0199
3-nitrophenol	554-84-7	Polar	1.05	1.47	0.69	0.49	0.9493
2,3-dichlorophenol	576-24-9	Polar	0.95	0.91	0.52	0.23	1.0199
2-naphthol	135-19-3	Polar	1.5	1.23	0.5	0.45	1.1441
2,4,6-tribromoresorcinol	2437-49-2	Polar	1.7436	1.2632	0.9195	0.2711	1.3588
3,5-dibromosalicylaldehyde	90-59-5	Polar	1.5331	1.4048	0.1356	0.1952	1.2817
dinex	131-89-5	Uncoupling oxidative phosphorylation	1.4609	1.8425	0.2827	0.4704	1.8603
2,6-dinitrophenol	573-56-8	Uncoupling oxidative phosphorylation	1.1589	1.65	0	0.3619	1.1235
2,4-dichloro-6-nitrophenol	609-89-2	Uncoupling oxidative phosphorylation	1.147	1.269	0.1144	0.1921	1.1941
ioxynil	1689-83-4	Uncoupling oxidative phosphorylation	2.0796	1.6049	0.4177	0.3809	1.4462
ioxynil lithium	2961-61-7	Uncoupling oxidative phosphorylation	2.0796	1.6049	0.4177	0.3809	1.4462
4-bromo-3,5-dimethylphenol	7463-51-6	Polar	1.1669	0.9805	0.6702	0.3773	1.2319
2-hydroxy-4,5-dimethylacetophenone	36436-65-4	Polar	1.001	1.0415	0.1328	0.3764	1.3544
4-chloro-3-ethylphenol	14143-32-9	Polar	0.9579	0.9606	0.6702	0.3795	1.1793
2,5-dinitrophenol	329-71-5	Uncoupling oxidative phosphorylation	1.2246	1.8071	0.3024	0.4503	1.1235
2,3,4,5-tetrachlorophenol	4901-51-3	Uncoupling oxidative phosphorylation	1.1827	1.0965	0.7881	0.0516	1.2647
3-chloro-4-fluorophenol	2613-23-2	Polar	0.8116	0.9714	0.861	0.3128	0.9151
alpha,alpha,alpha-trifluoro-4-cresol	402-45-9	Polar	0.4459	0.6742	0.6702	0.2744	0.9688
nonylphenol	25154-52-3	Polar	0.7941	0.88	0.499	0.4144	2.0432
3-cyanophenol	873-62-1	Polar	0.9566	1.385	0.6899	0.5336	0.9298
2,3-dinitrophenol	66-56-8	Uncoupling oxidative phosphorylation	1.2246	1.8071	0.3024	0.4503	1.1235
5-hydroxy-1,4-naphthalenedione	481-39-0	Alkylation	1.5541	1.781	0.1933	0.7223	1.2185
trans-2-phenyl-1-cyclohexanol	2362-61-0	Nonpolar	1.0039	0.9841	0.3126	0.4391	1.5119
3,5,6-trichloro-2(1h)-pyridinone	6515-38-4	Nonpolar	1.13	1.1646	0.6927	0.4325	1.1012
ethanol	64-17-5	Nonpolar	0.21	0.45	0.31	0.31	0.4491

2-propyn-1-ol	107-19-7	Alkylation	0.4586	0.6243	0.3978	0.3653	0.504
2-pentadecyn-1-ol	2834-00-6	Alkylation	0.3318	0.6333	0.3126	0.4143	2.1948
2-butyne-1,4-diol	110-65-6	Alkylation	0.5527	0.8578	0.6253	0.6563	0.7036
2-hydroxybenzyl-alcohol	90-01-7	Polar	1.0311	1.0488	0.8117	0.8029	0.9747
2-methyl-1-propanol	78-83-1	Nonpolar	0.2139	0.4392	0.3126	0.3397	0.7309
2-methyl-1,3-pentanediol	149-31-5	Nonpolar	0.4215	0.7047	0.6253	0.6495	1.0714
2-ethylhexan-1-ol	104-76-7	Nonpolar	0.21	0.46	0.31	0.35	1.2945
propane diol	57-55-6	Nonpolar	0.413	0.702	0.5403	0.6145	0.6487
2-propen-1-ol	107-18-6	Alkylation	0.3299	0.508	0.3126	0.3599	0.547
3,7,11-trimethyl-2,6,10-dodecatrien-1-ol	4602-84-0	Nonpolar	0.5888	0.6287	0.3126	0.584	2.1518
3-hydroxybenzyl-alcohol	620-24-6	Polar	1.0311	1.0488	0.8117	0.8029	0.9747
3-furanmethanol	4412-91-3	Nonpolar	0.5859	0.7158	0.3126	0.5645	0.7359
1-propanol	71-23-8	Nonpolar	0.21	0.45	0.31	0.31	0.59
3-butyn-1-ol	927-74-2	Alkylation	0.4568	0.6287	0.3978	0.3684	0.6449
isoamyl alcohol	123-51-3	Nonpolar	0.2121	0.4436	0.3126	0.3428	0.8718
4-hydroxyphenethyl-alcohol	501-94-0	Polar	1.0079	1.1219	0.8117	0.6687	1.1156
trans3hexen1ol	928-97-2	Nonpolar	0.3565	0.5625	0.3126	0.3815	0.9697
1-butanol	71-36-3	Nonpolar	0.2	0.46	0.31	0.31	0.7309
1-pentanol	71-41-0	Nonpolar	0.2	0.46	0.31	0.32	0.8718
1-hexanol	111-27-3	Nonpolar	0.2	0.46	0.31	0.32	1.0127
1-heptanol	111-70-6	Nonpolar	0.2	0.47	0.31	0.32	1.1536
cis-7-dodecen-1-ol	20056-92-2	Nonpolar	0.3459	0.5887	0.3126	0.4001	1.8151
1-octanol	111-87-5	Nonpolar	0.2	0.47	0.31	0.32	1.2945
1-nonanol	143-08-8	Nonpolar	0.2	0.48	0.31	0.33	1.4354
1-decanol	112-30-1	Nonpolar	0.19	0.48	0.31	0.33	1.5763
1-undecanol	112-42-5	Nonpolar	0.19	0.49	0.31	0.33	1.7172
2-(diisopropylamino)-ethanol	96-80-0	Nonpolar	0.4231	0.5583	0.2277	0.9668	1.3943

n-phenyldiethanolamine	120-07-0	Nonpolar	1.2594	1.3609	0.4765	1.1846	1.4972
2-(n-ethyl-m-toluidino)ethanol	91-88-3	Nonpolar	1.0538	1.0762	0.2277	0.8381	1.5794
ethylene glycol	107-21-1	Nonpolar	0.4051	0.7134	0.5403	0.5838	0.5078
salicylhydroxamic-acid	89-73-6	Polar	1.2537	1.8018	0.7008	0.9008	1.0902
(e)-mevinphos	298-01-1	Organophosphate	0.4616	1.1384	0	1.6367	1.5657
butathiofos	90338-20-8	Organophosphate	1.2591	1.1121	0	1.387	2.3056
etbicyphat	1005-93-2	Alicyclic GABA antagonism	1.117	0.8563	1.2505	1.4922	1.2848
merpofos	3568-56-7	Organophosphate	1.6877	1.116	0.1339	1.2805	2.1697
3,6-dithiaoctane	5395-75-5	Nonpolar	0.687	0.4946	0	0.2953	1.281
tillam	591-62-8	Nonpolar	0.6649	1.2364	0	0.7895	1.7966
methacrifos	62610-77-9	Organophosphate	0.7996	1.0217	0	1.2645	1.6705
azothoate	5834-96-8	Organophosphate	2.1661	1.3349	0	1.2045	2.4292
lirimfos	38260-63-8	Organophosphate	1.3313	1.2373	0	1.531	2.2234
ethoate-methyl	116-01-8	Organophosphate	1.2175	1.4461	0.2553	1.3255	1.7185
amidithion	919-76-6	Organophosphate	1.2335	1.6189	0.2734	1.5355	1.9181
isothioate	36614-38-7	Organophosphate	1.2588	0.7173	0	0.9262	1.9074
methidathion	950-37-8	Organophosphate	2.002	1.7198	0	1.8449	1.8889
azinphos-methyl	86-50-0	Organophosphate	2.2791	1.6965	0	1.6437	2.0925
o-ethyl o-(4-(methylthio)phenyl) methylphosphonothioate	2703-13-1	Organophosphate	1.5133	1.0026	0	0.8393	1.929
coumithoate	572-48-5	Organophosphate	1.7981	1.4837	0	1.2741	2.6247
butamifos	36335-67-8	Organophosphate	1.5895	1.5581	0.1339	1.2974	2.4622
pyridaphenthion	119-12-0	Organophosphate	2.0413	1.9037	0	1.7423	2.4085
chlorthiophos i	21923-23-9	Organophosphate	1.7679	1.3302	0	0.9066	2.3734
chlorthiophos (mixture of isomers)	60238-56-4	Organophosphate	1.7679	1.3302	0	0.9066	2.3734
coumaphos	56-72-4	Organophosphate	1.7135	1.5256	0	1.2879	2.433
isoxathion	18854-01-8	Organophosphate	1.9828	1.5842	0	1.2077	2.2108
phosalone	2310-17-0	Organophosphate	2.1057	1.786	0	1.3238	2.3988

athidathion	19691-80-6	Organophosphate	1.9984	1.7285	0	1.8511	2.1707
fonofos	944-22-9	Organophosphate	1.4438	0.8789	0	0.6396	1.8703
sulprofos	35400-43-2	Organophosphate	1.8536	1.163	0	0.972	2.3743
o-ethyl s-(4-methylphenyl)ethylphosphonodithioate	333-43-7	Organophosphate	1.4682	0.8214	0	0.6403	2.0112
fosmethilan	83733-82-8	Organophosphate	1.9357	1.9198	0	1.4484	2.5896
tirpate	26419-73-8	Carbamate	1.3394	1.1352	0.2132	1.0037	1.6852
thiazopyr	117718-60-2	Ester	0.9238	0.7882	0.088	0.8402	2.4993
mti	82633-79-2	Nonpolar	1.206	1.3823	0	0.8283	1.1137
dichloro-1,2-dithiacyclopentenone	1192-52-5	Nonpolar	1.4716	1.3293	0	0.6605	0.9672
thiacloprid	111988-49-9	nAChR agonism	1.8426	1.7003	0	1.3289	1.7275
octane	111-65-9	Nonpolar	-0.0043	0.2	0	0.0484	1.2358
pentane	109-66-0	Nonpolar	0	0.19	0	0.04	0.8131
2-methyl-2-butanol	75-85-4	Nonpolar	0.19	0.39	0.31	0.35	0.8718
cyclopentane	287-92-3	Nonpolar	0.21	0.27	0	0.02	0.7045
3-hexanol	623-37-0	Nonpolar	0.21	0.45	0.31	0.35	1.0127
2-hexanol	626-93-7	Nonpolar	0.21	0.45	0.31	0.35	1.0127
4-methyl-2-pentanol	108-11-2	Nonpolar	0.22	0.43	0.31	0.37	1.0127
methyl cyclohexane	108-87-2	Nonpolar	0.22	0.27	0	0.05	0.9863
5-methyl-3-heptanone	541-85-5	Nonpolar	0.22	0.68	0	0.38	1.2515
1,1-dichloropropane	78-99-9	Nonpolar	0.22	0.37	0.09	0.02	0.7761
4-methoxy-4-methyl-2-pentanone	107-70-0	Nonpolar	0.2337	0.7754	0	0.5959	1.1693
t-1,2-dichloroethene	156-60-5	Nonpolar	0.4047	0.5564	0	0.0921	0.5922
cyclopentanone	120-92-3	Nonpolar	0.42	0.77	0	0.32	0.7202
1,3-dichloro-2-propanol	96-23-1	Nonpolar	0.46	0.72	0.42	0.34	0.8348
2,6-dimethyl-2,5-heptadiene-4-one	504-20-1	Nonpolar	0.4755	0.78	0	0.5138	1.3064
1,5-cyclooctadiene	111-78-4	Nonpolar	0.52	0.48	0	0.15	1.0412

n-propylbenzene	103-65-1	Nonpolar	0.58	0.64	0	0.12	1.1391
anisole	100-66-3	Nonpolar	0.62	0.79	0	0.33	0.916
1,1,1,2-tetrachloroethane	630-20-6	Nonpolar	0.62	0.61	0	0.12	0.88
1,3,5-cycloheptatriene	544-25-2	Nonpolar	0.68	0.58	0	0.21	0.8573
4-chlorotoluene	106-43-4	Nonpolar	0.73	0.71	0	0.11	0.9797
3-chlorotoluene	108-41-8	Nonpolar	0.73	0.71	0	0.11	0.9797
bicyclo(2,2,1)hepta-2,5-diene	121-46-0	Nonpolar	0.7509	0.5353	0	0.1799	0.7917
2,6diisopropylaniline	74-95-3	Polar	0.92	0.95	0.08	0.5	1.6616
1,3,5-trichlorobenzene	108-70-3	Nonpolar	0.97	0.91	0	0.02	1.0836
4chloro2nitrotoluene	89-59-8	Polar	1	1.28	0	0.21	1.1539
1,2,3,5-tetrachlorobenzene	634-90-2	Nonpolar	1.09	1.03	0	0	1.206
2,3dichloronitrobenzene	3209-22-1	Polar	1.1	1.42	0	0.2	1.1354
2,4dichloronitrobenzene	611-06-3	Polar	1.1	1.41	0	0.15	1.1354
2,5dichloronitrobenzene	89-61-2	Polar	1.12	1.45	0	0.2	1.1354
2,5dichloroaniline	95-82-9	Polar	1.12	1.26	0.3	0.35	1.061
2-methylnaphthalene	91-57-6	Nonpolar	1.3	0.96	0	0.17	1.2263
1-chloronaphthalene	90-13-1	Nonpolar	1.42	1.1	0	0.17	1.2078
9-methylanthracene	779-02-2	Nonpolar	2.02	1.28	0	0.23	1.5953