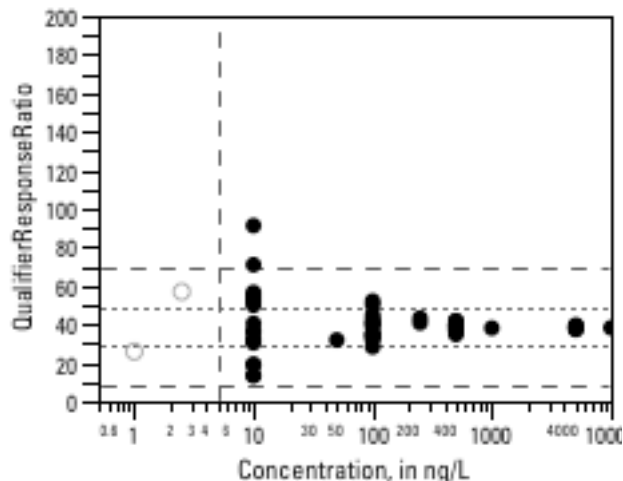


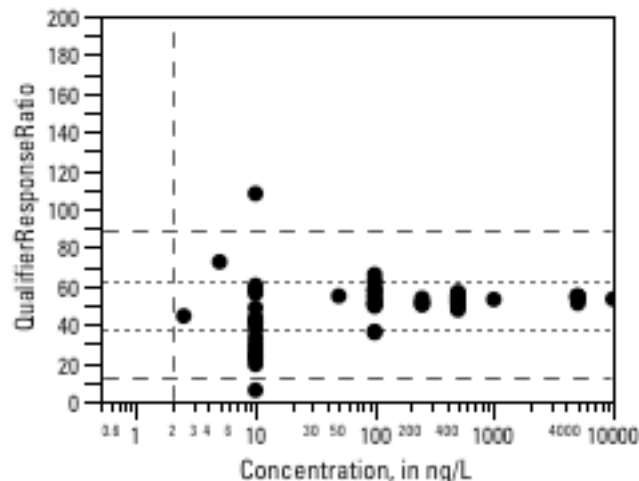
## Supporting Figure S1. Qualifier Ion Response—LC-MS/MS Positive ESI Analytes

The qualifier ion response ratio of pesticide compounds determined by LC-MS/MS in positive electrospray ionization (ESI+) mode fortified in different matrices (Santa Ana Prado Dam, Mississippi River, Well 1N/14W-8K1S) at 10, 100, 500, and 5,075 nanograms per liter (ng/L) and in reagent water (calibration [CAL] and continuing calibration verification [CCV] standards) at 1, 2.5, 5, 10, 25, 50, 100, 500, 5,000, and 10,000 ng/L. Samples were excluded from evaluation (shown as open symbols) if the fortification concentration was less than the method detection level (MDL). Dotted lines show European Union qualifier ion response (QIR) ratio limits, and dashed lines show limits based on the tolerance interval (confidence level [1-alpha] 95 percent for 99 percent of the QIR population). Dotted vertical line shows calculated MDL.

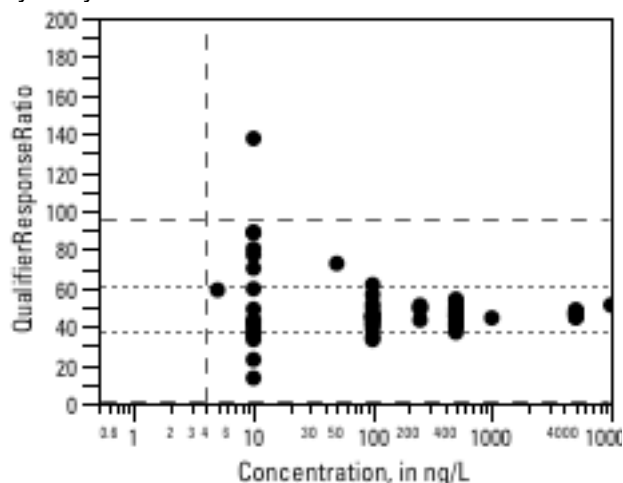
Acetochlor 68520 A



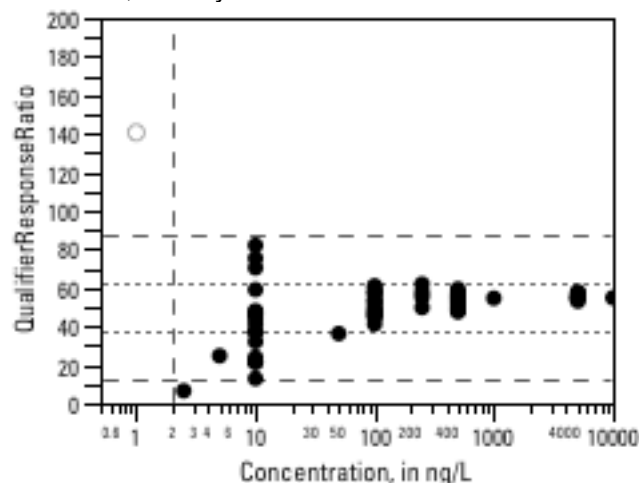
2-chloro-N-(2-ethyl-6-methylphenyl)acetamide 68521 A



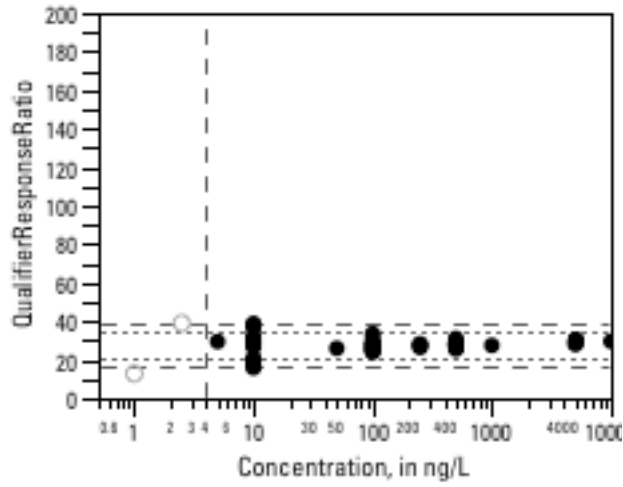
Hydroxyacetochlor 68615 A



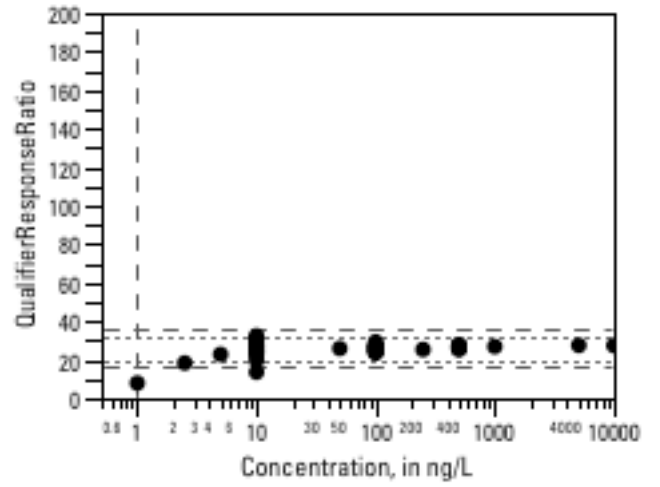
2-Chloro-2,6-diethylacetanilide 68525 A



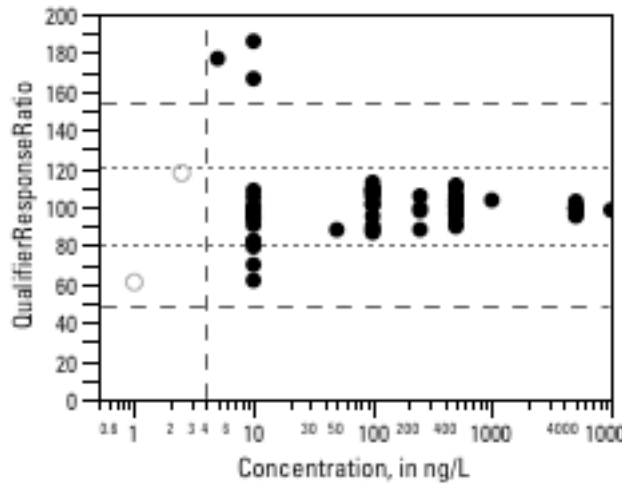
Alachlor 65064 A



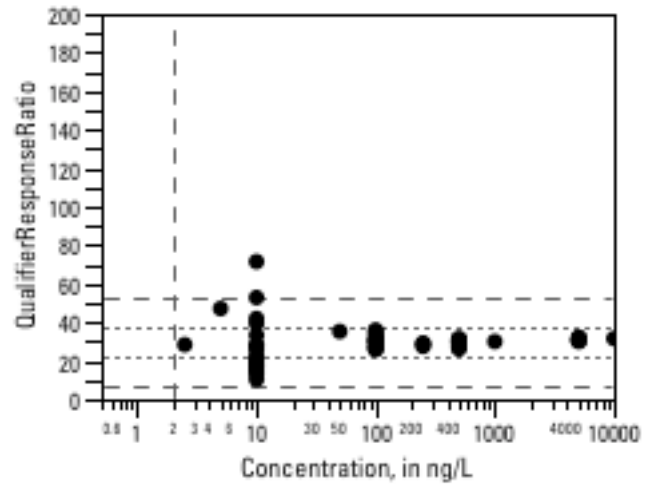
Dimethenamid 68580 A



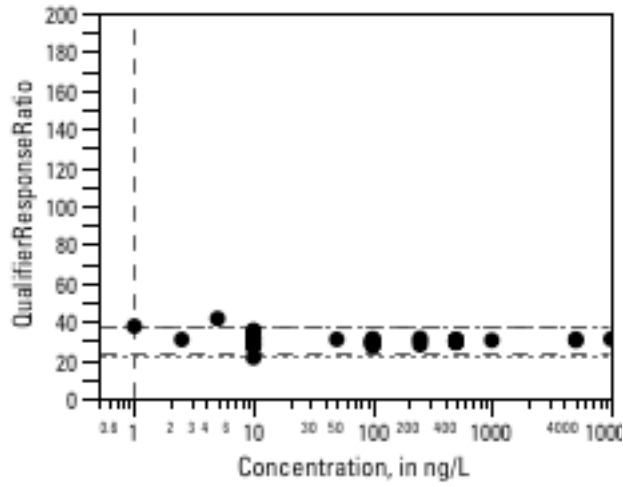
Hydroxylachlor 68616 A



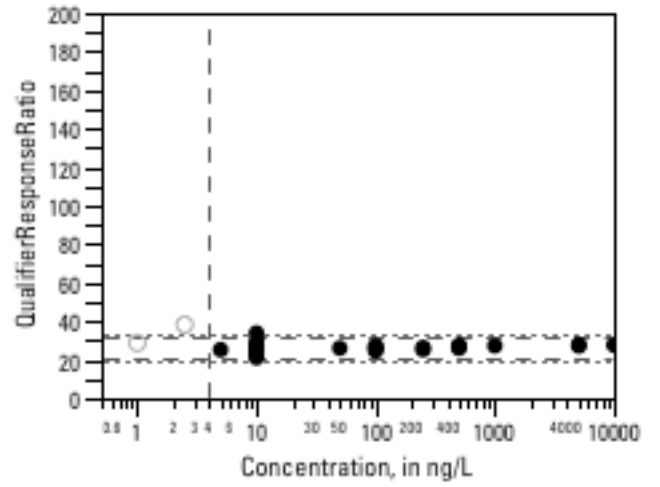
2-(2-ethyl-6-methyl-phenyl)aminopropan-1-ol  
68595 A



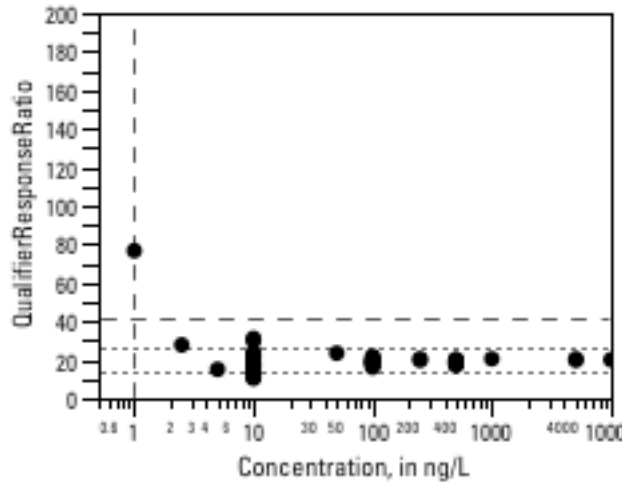
Dechlorometolachlor 68562 A



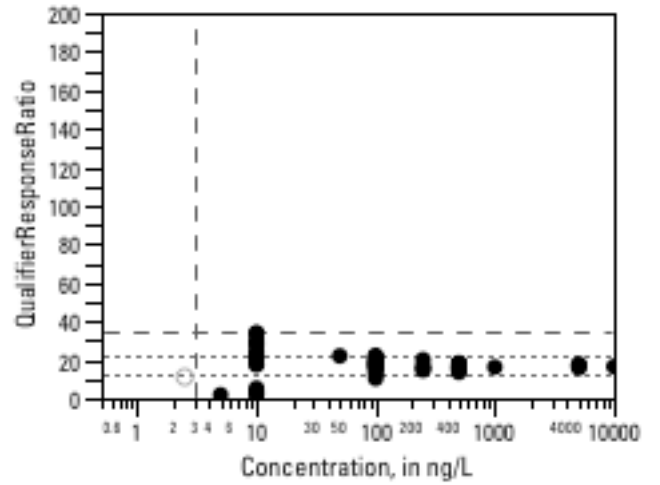
Metolachlor 65090 A



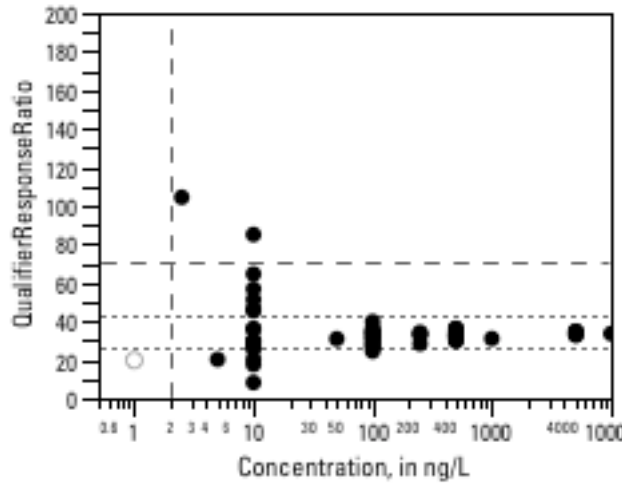
Hydroxymetolachlor 68622 A



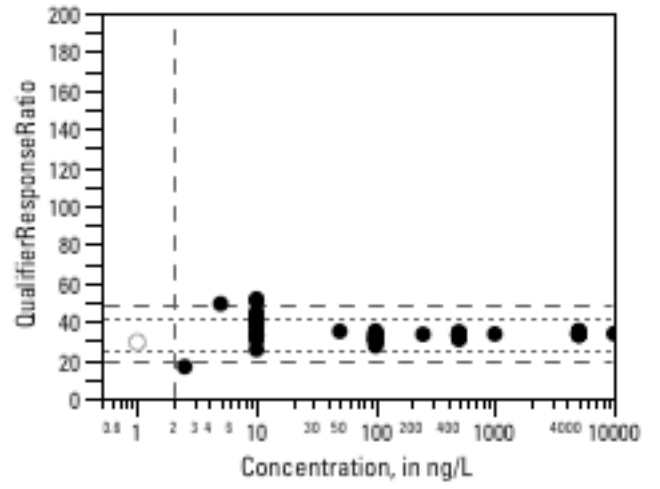
Metolachlor hydroxy morpholinone 68649 A



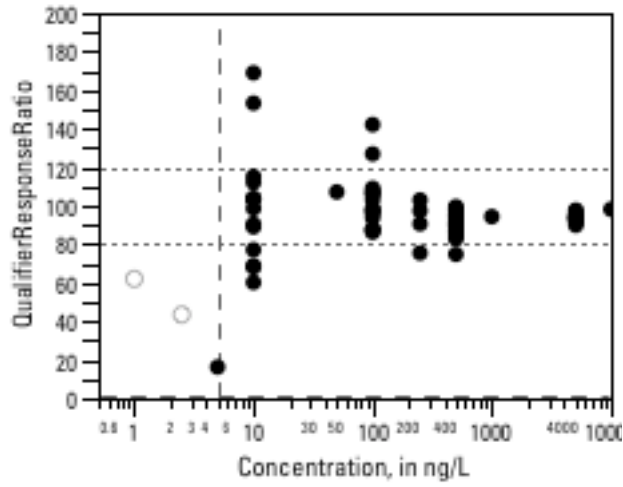
Pronamide 67706 A



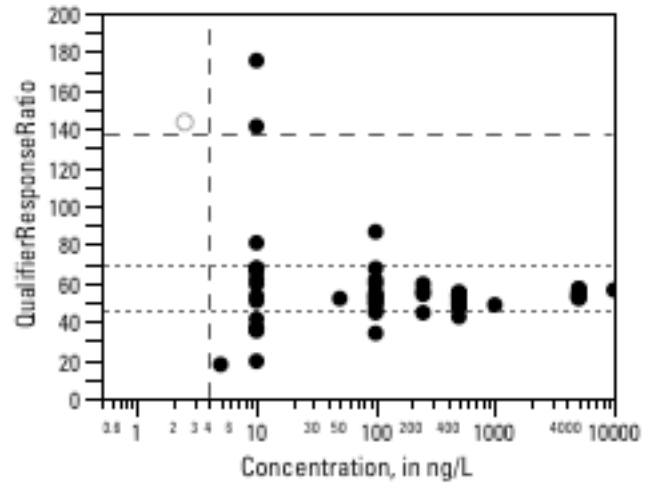
2-Amino-N-isopropylbenzamide 68503 A



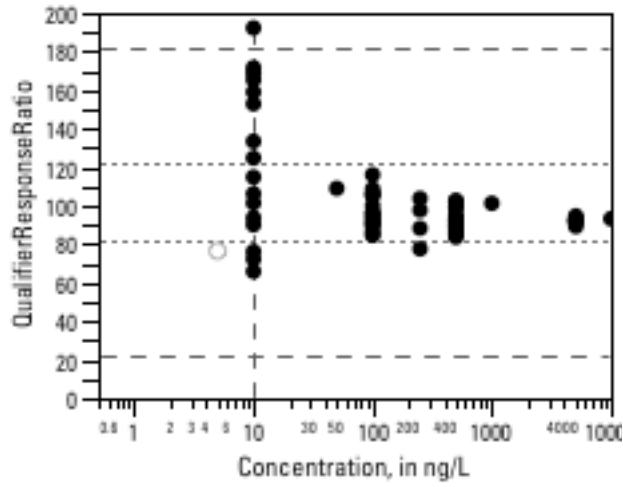
Propanil 66641 A



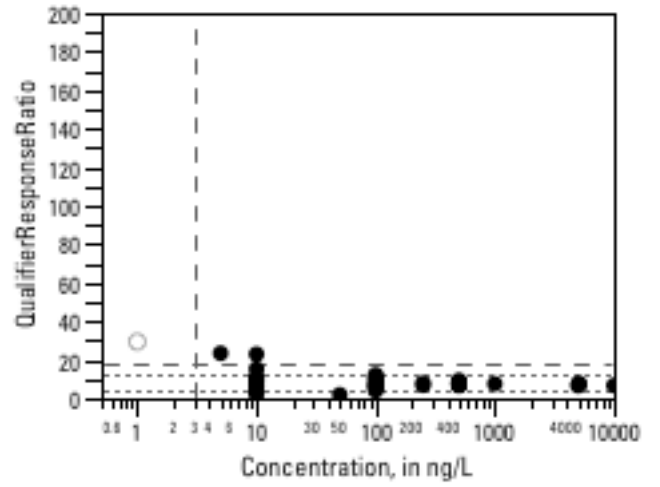
Aldicarb 68528 A



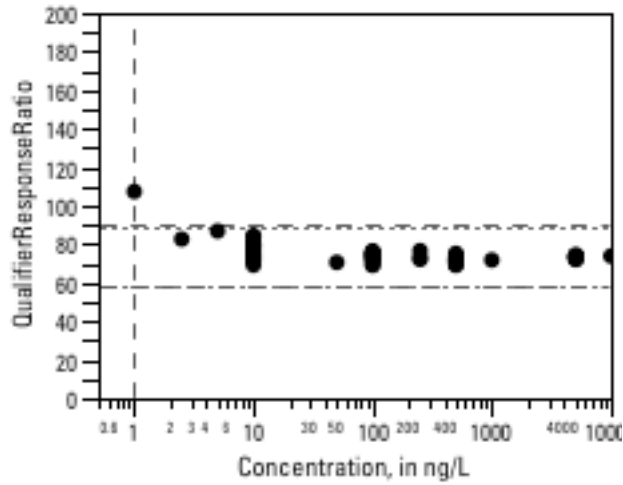
Aldicarb sulfone 68529 A



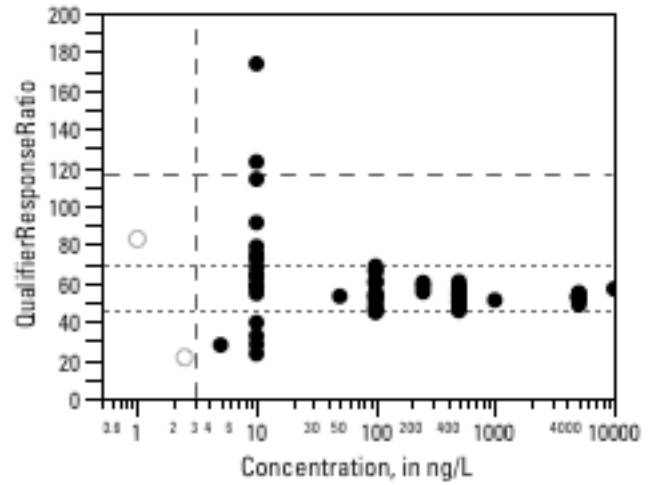
Butylate 65068 A



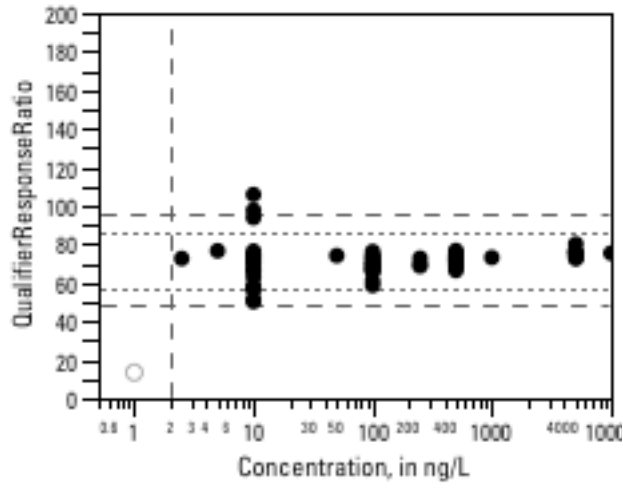
Aldicarb sulfoxide 68530 A



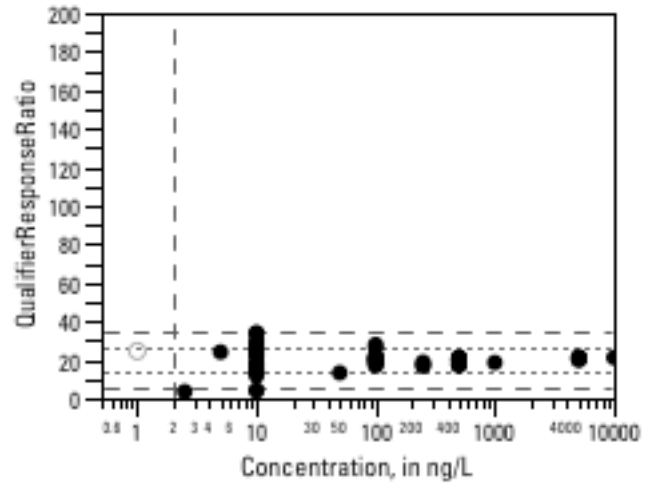
Carbaryl 65069 A



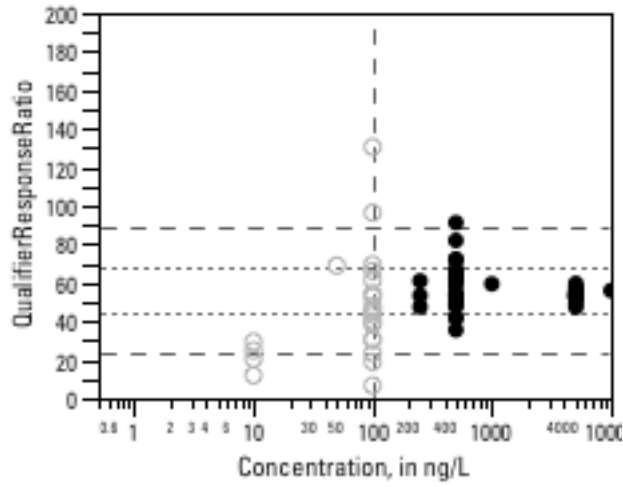
Carbofuran 65070 A



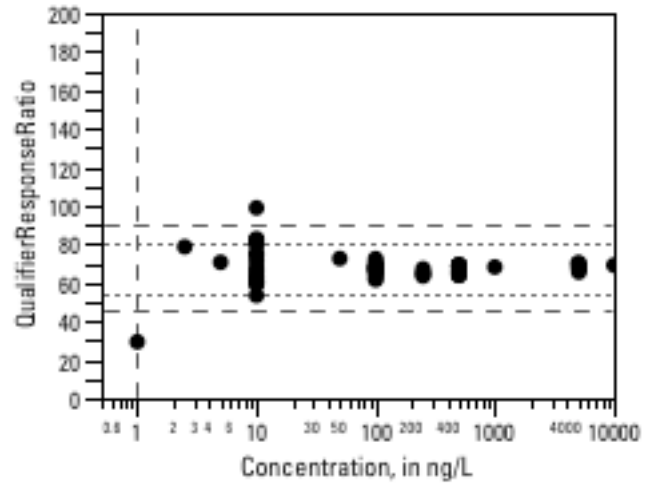
EPTC R248722 68594 A



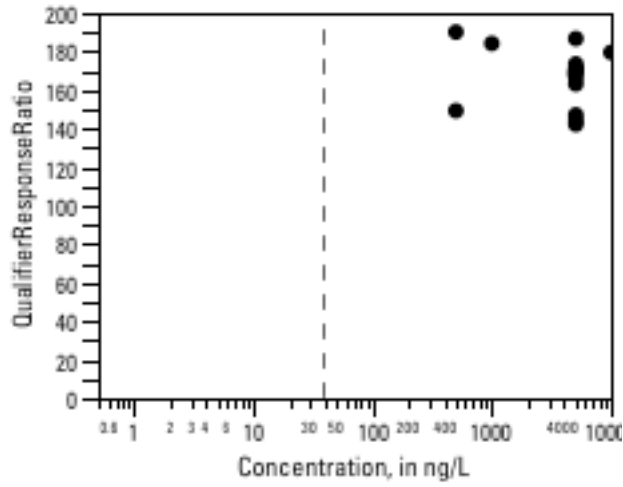
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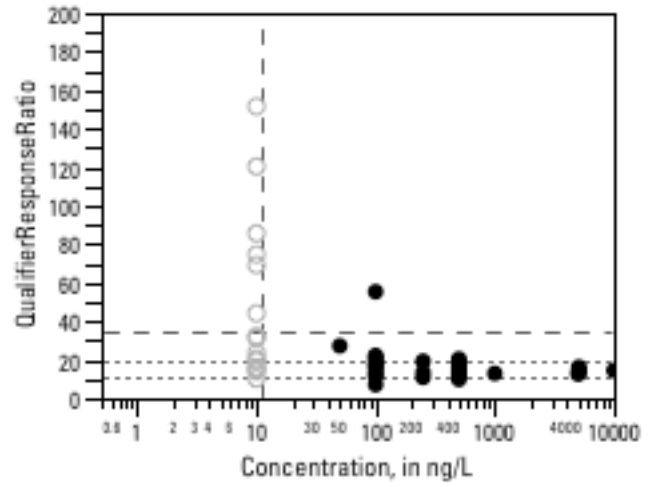
Methomyl 68645 A



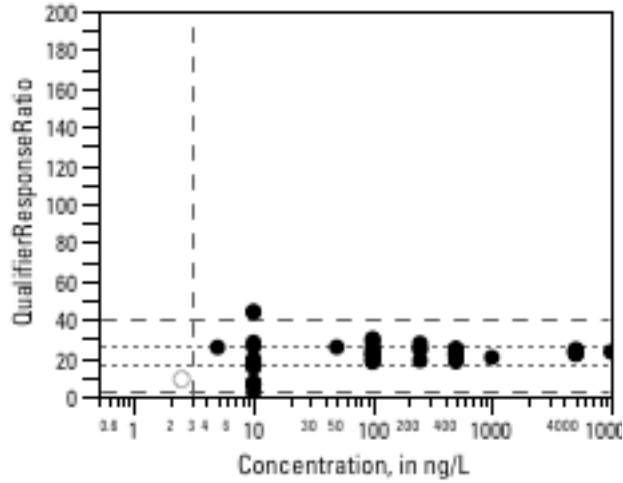
Methomyl oxime 68646 A



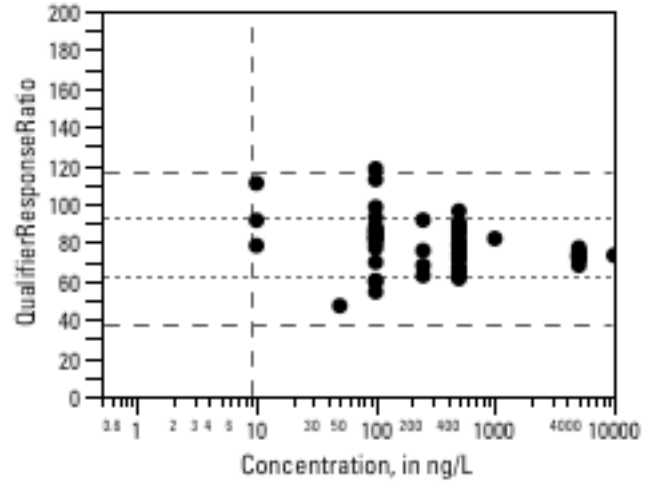
Carboxy molinate 68549 A



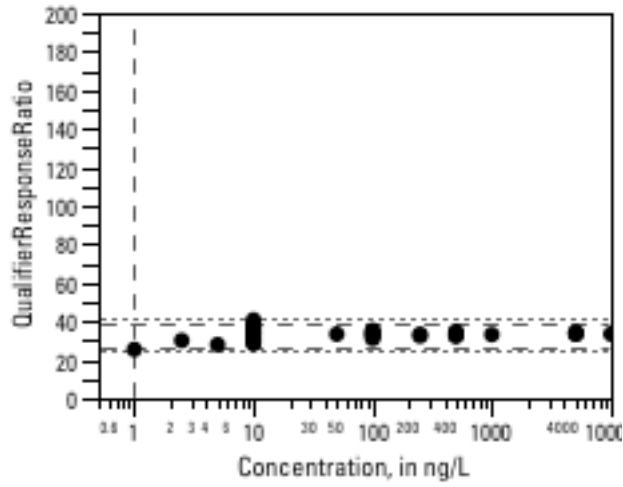
4-Hydroxy molinate 68515 A



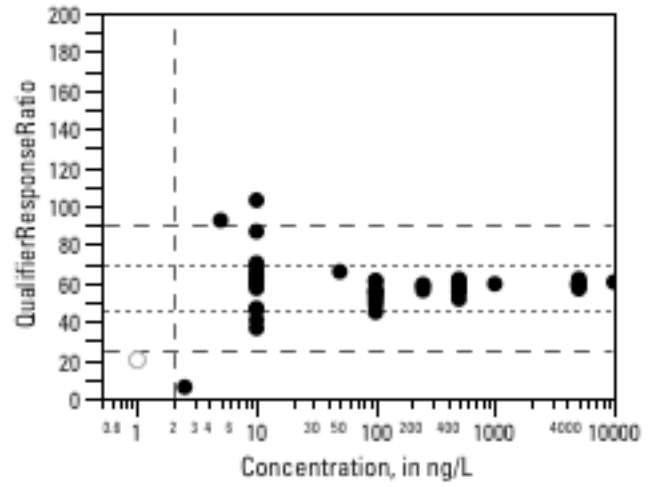
Molinate 65091 A



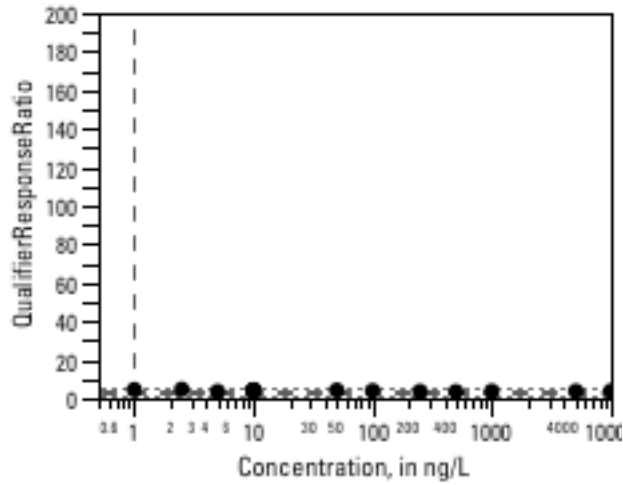
Oxamyl 68664 A



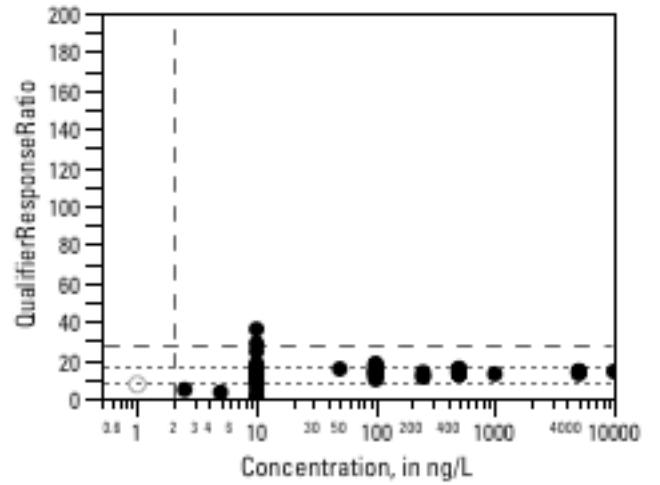
Propoxur 68679 A



Oxamyl oxime 68665 A

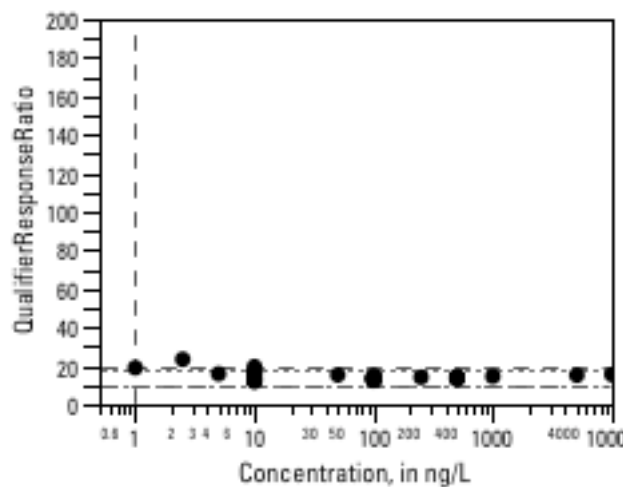


4-Chlorobenzylmethyl sulfoxide 68514 A

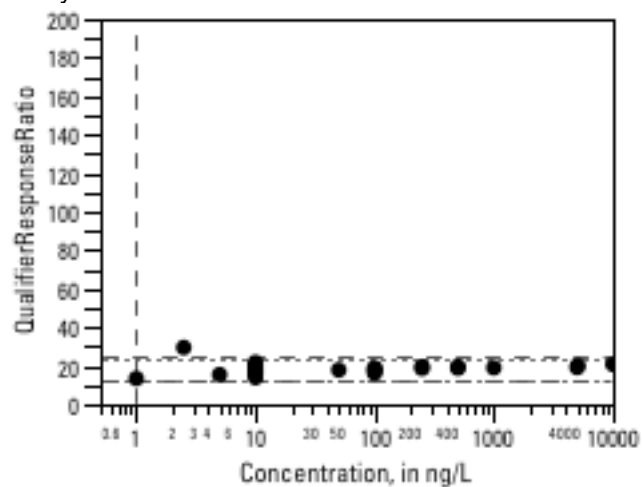




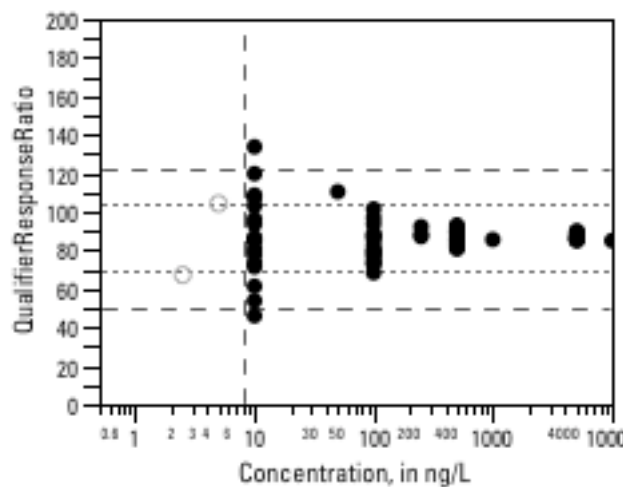
Thiobencarb 65107 A



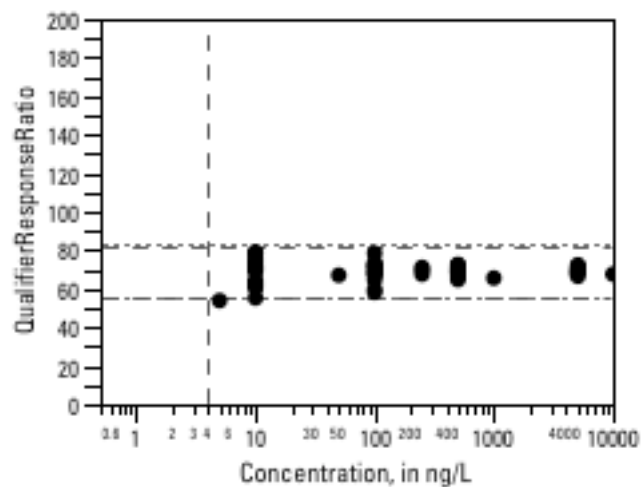
Azoxystrobin 66589 A



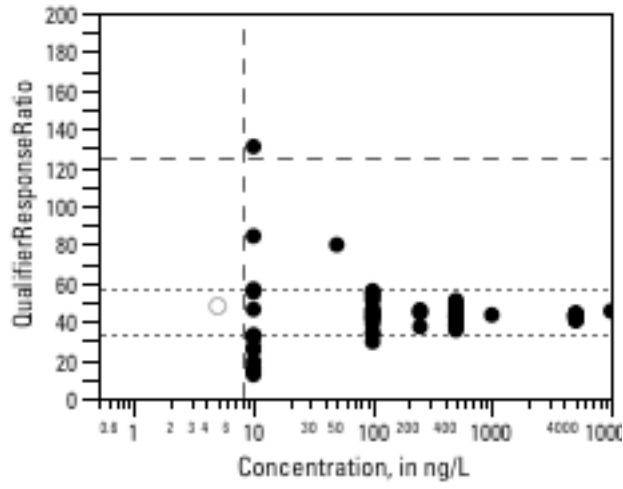
Triallate 68710 A



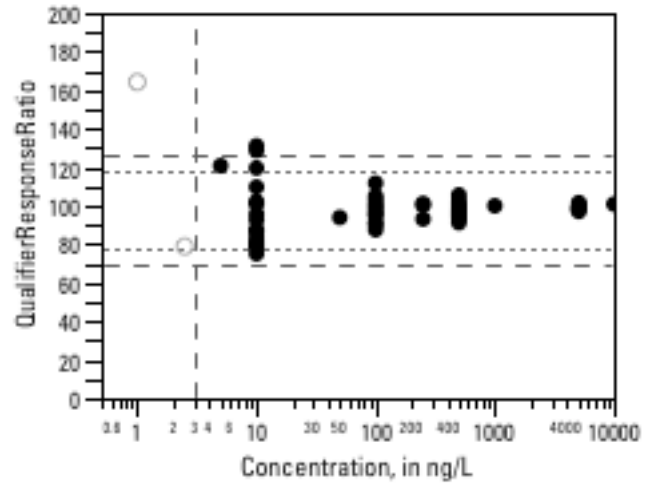
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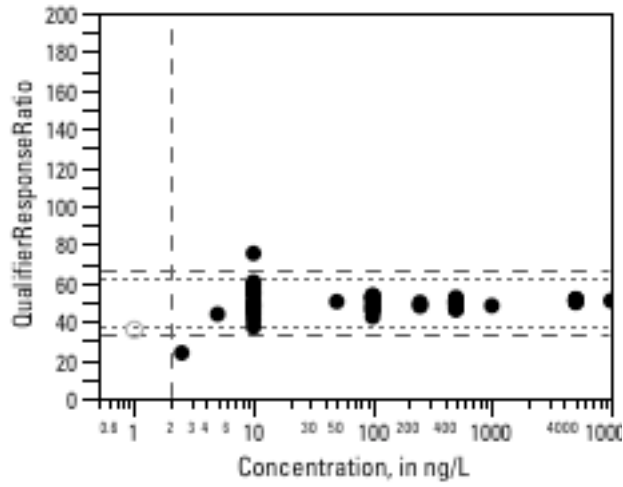
Fentin 68603 A



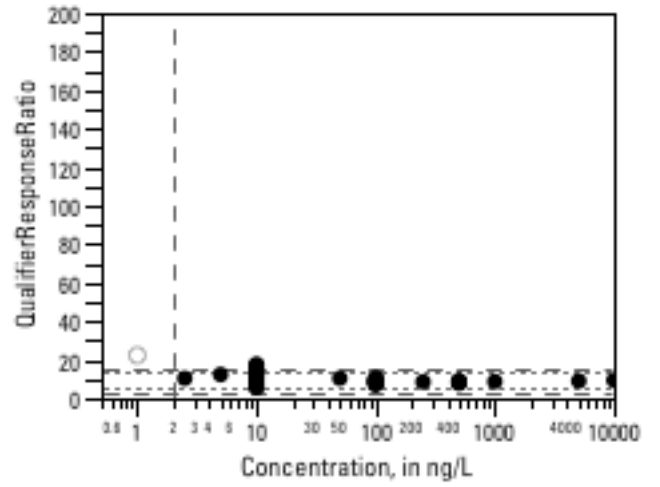
Metalaxyl 68437 A



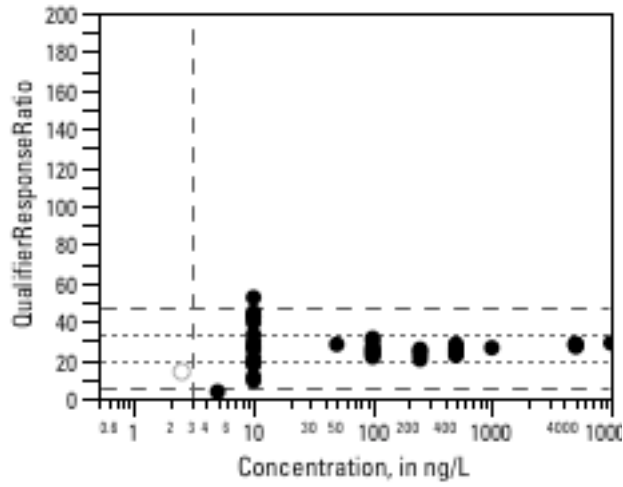
Kresoxim-methyl 67670 A



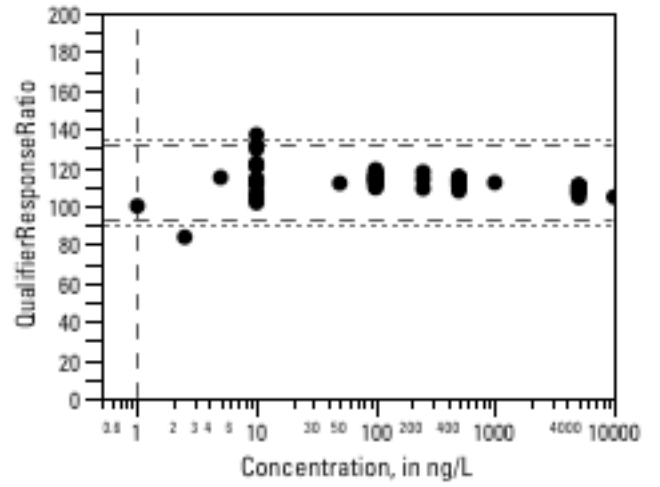
Metconazole 66620 A



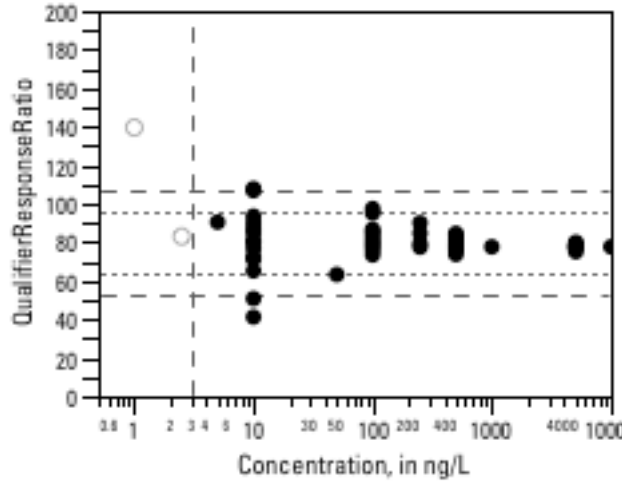
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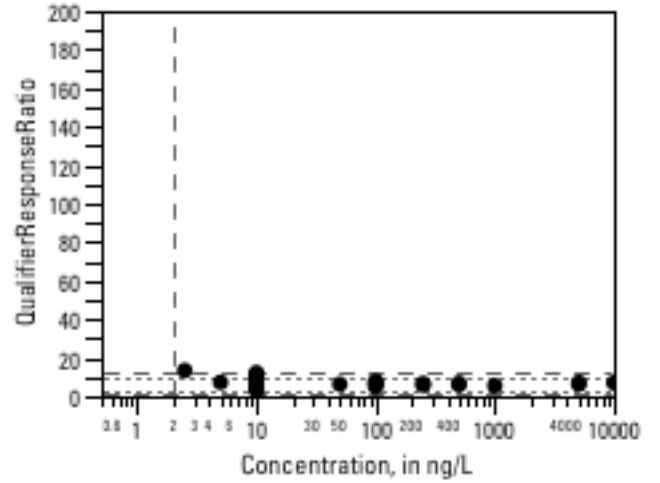
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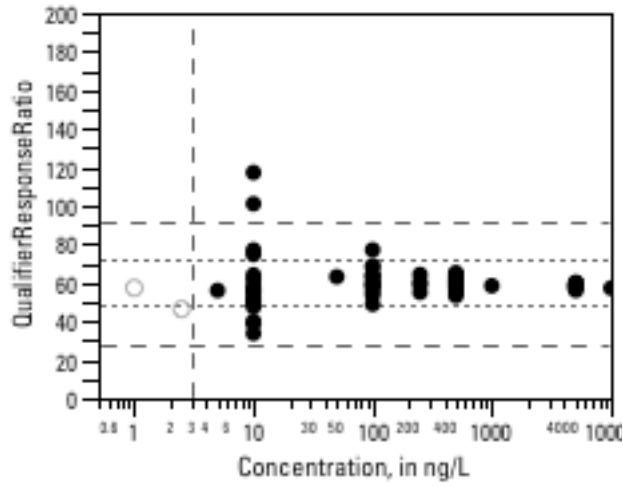
Propiconazole 66643 A



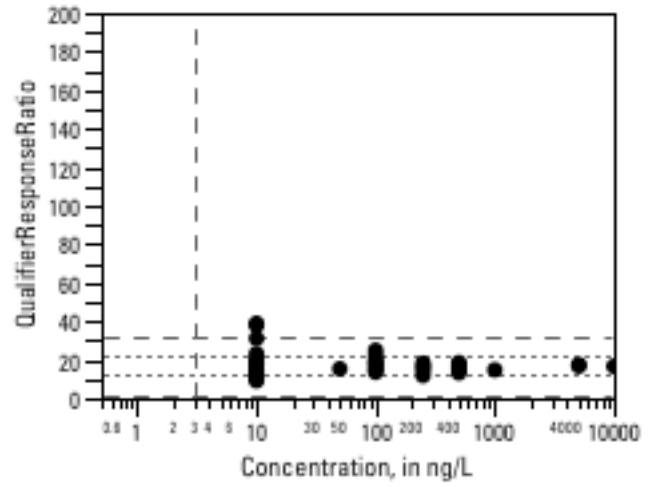
Tebuconazole 66649 A



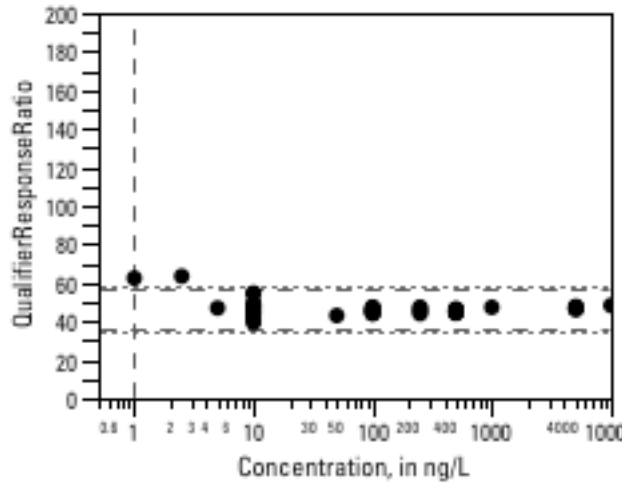
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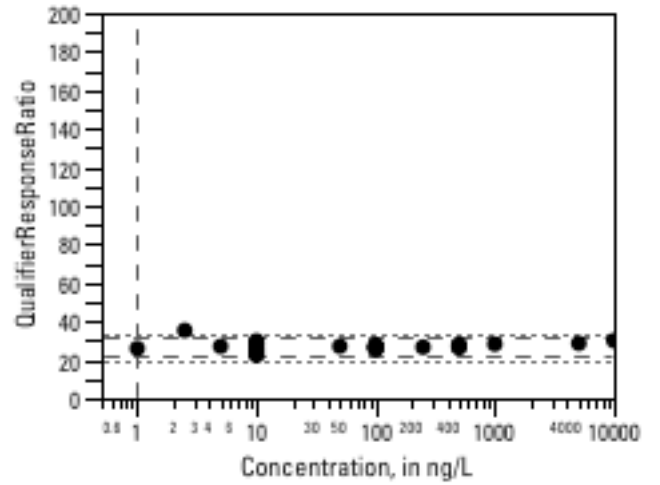
Bromacil 68542 A



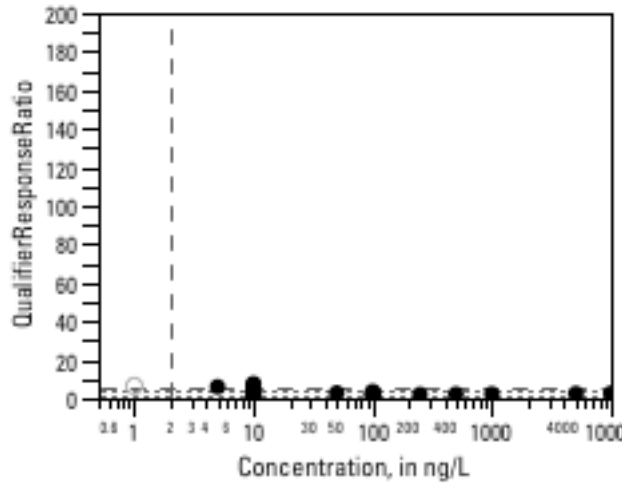
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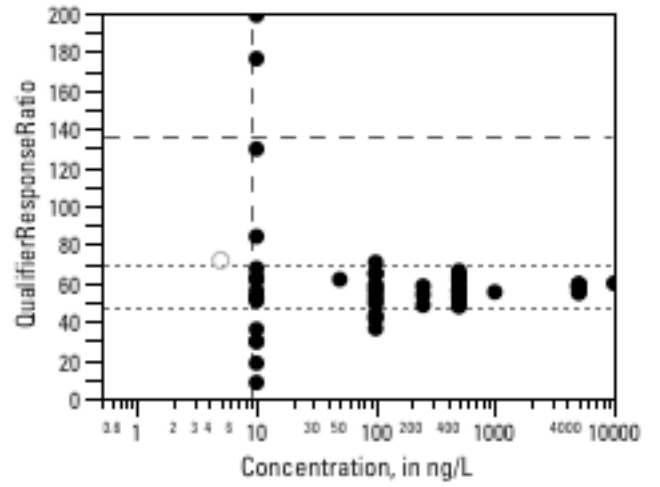
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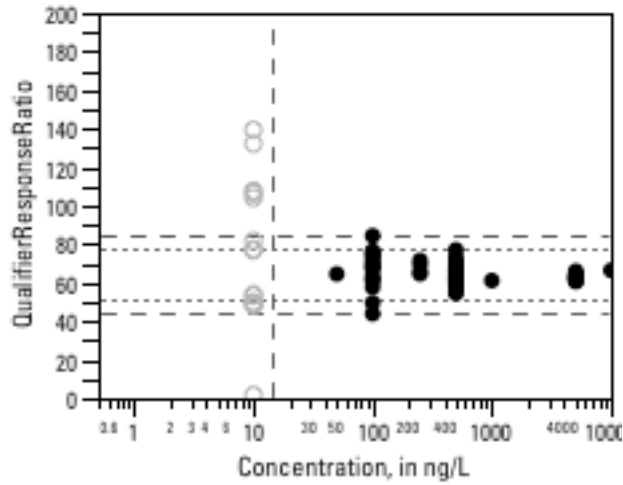
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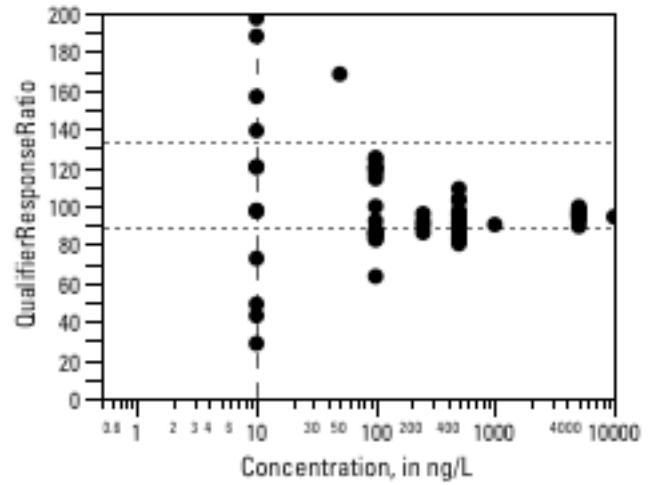
Imazaquin 61682 A



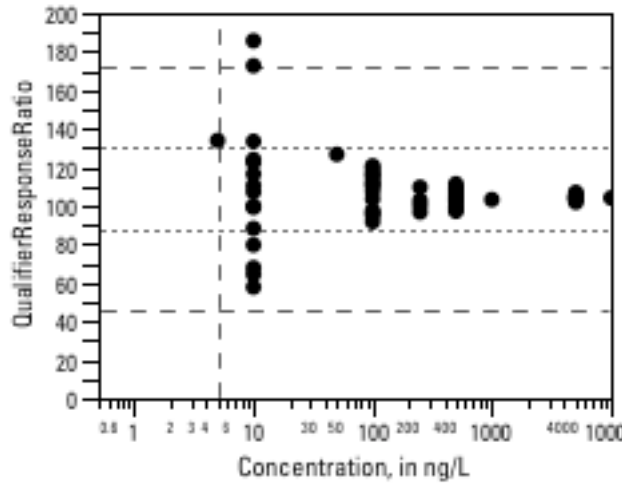
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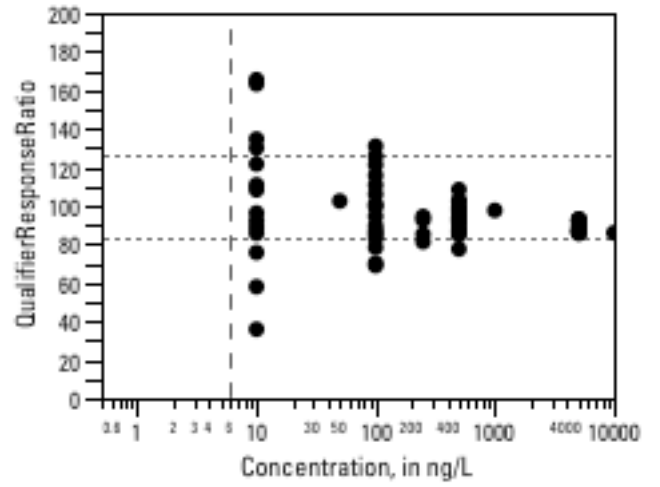
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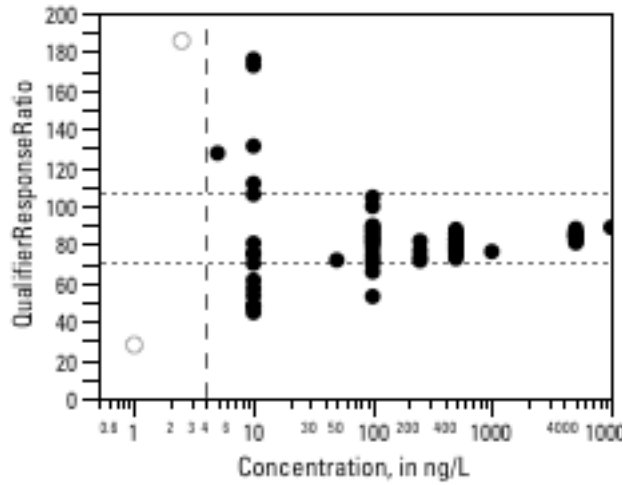
Imidacloprid 68426 A



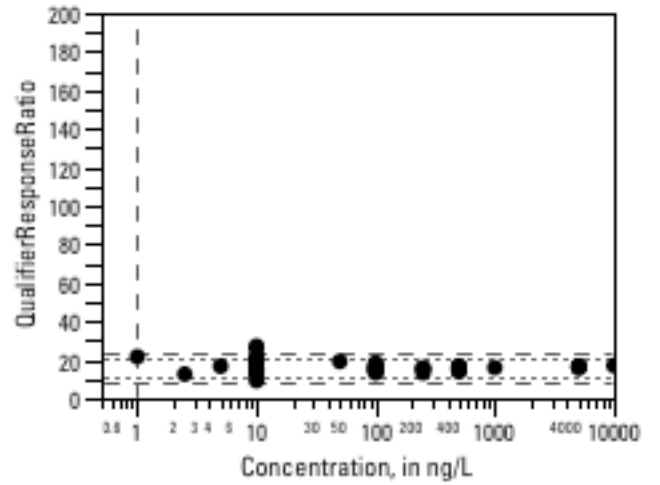
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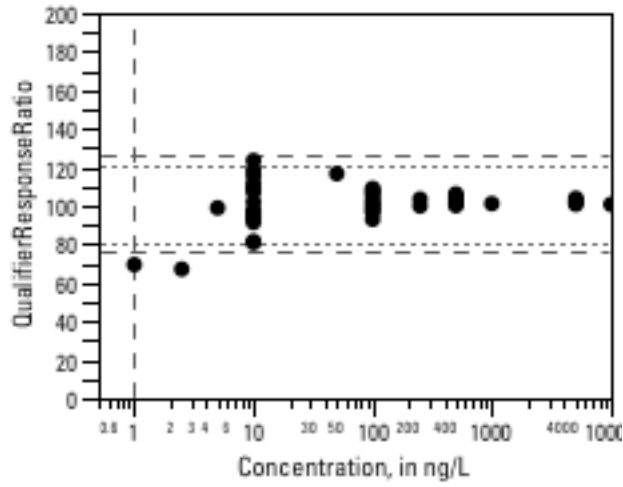
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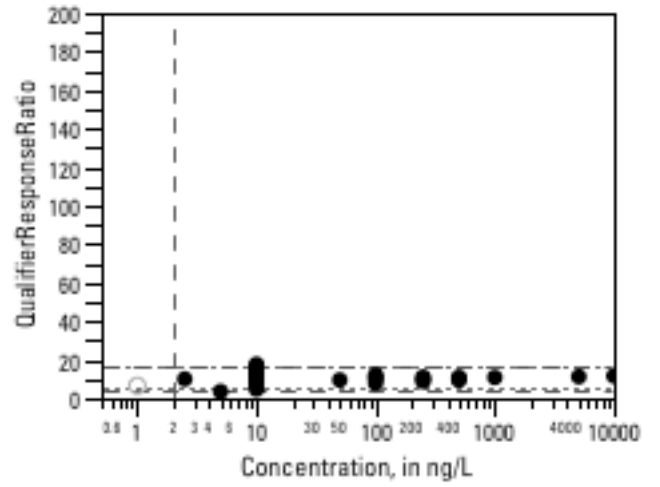
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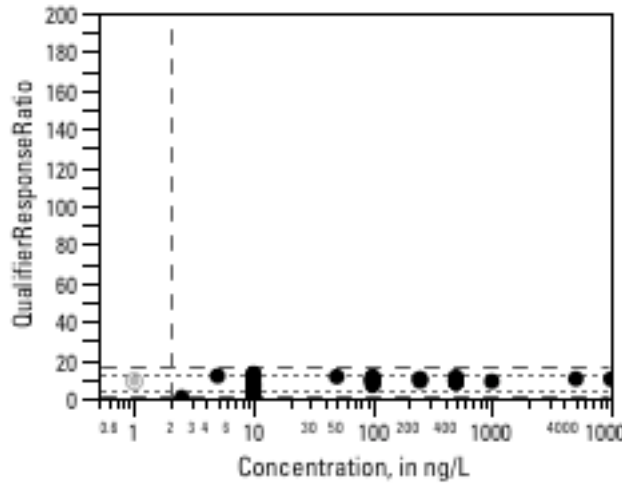
Methoxyfenozide 68647 A



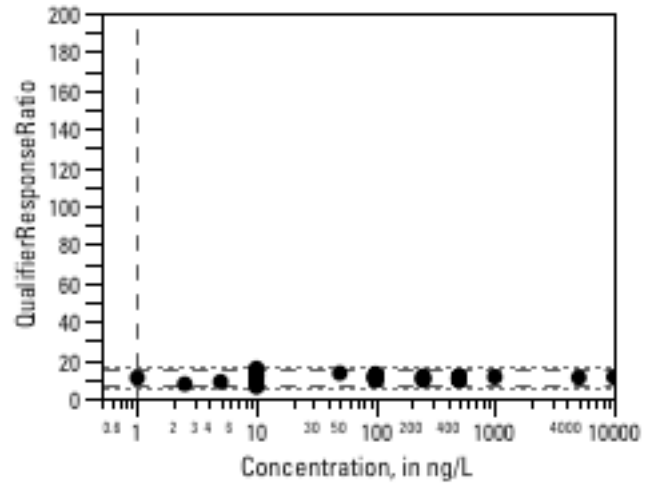
Norflurazon 67685 A



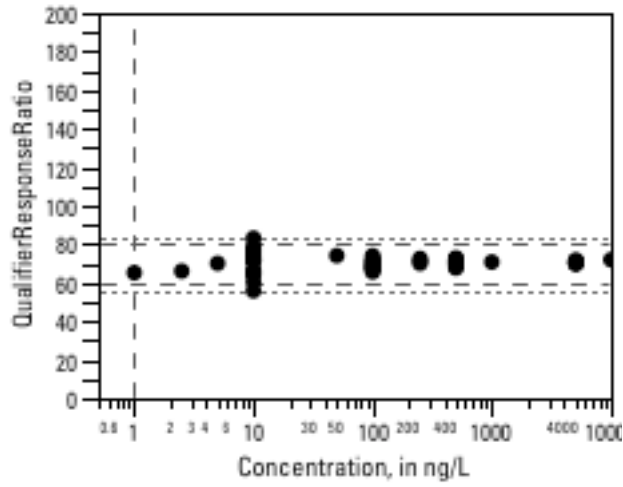
Demethyl norflurazon 68567 A



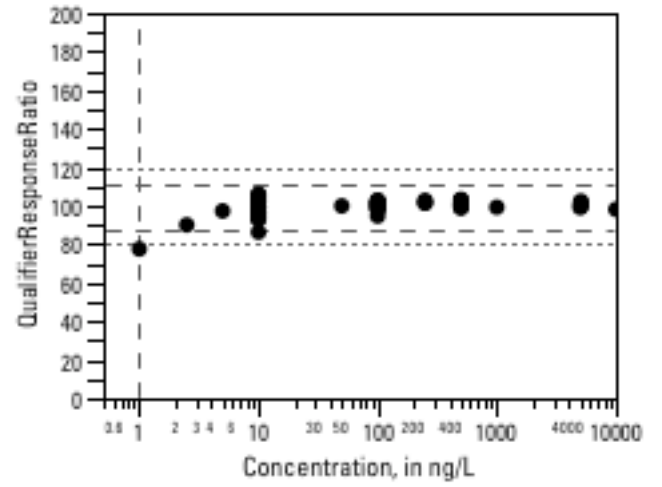
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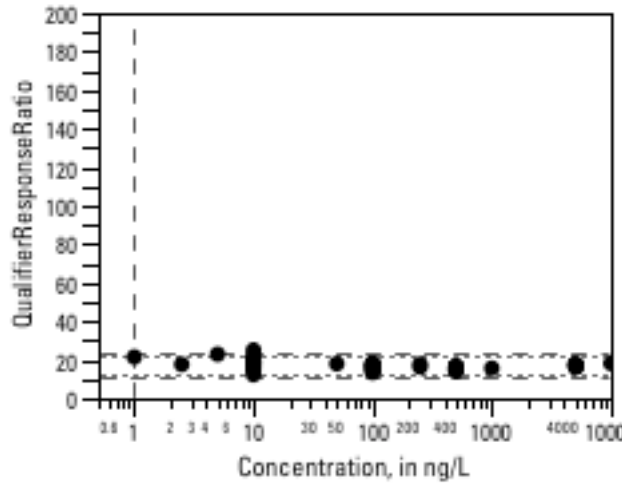
Propargite 68677 A



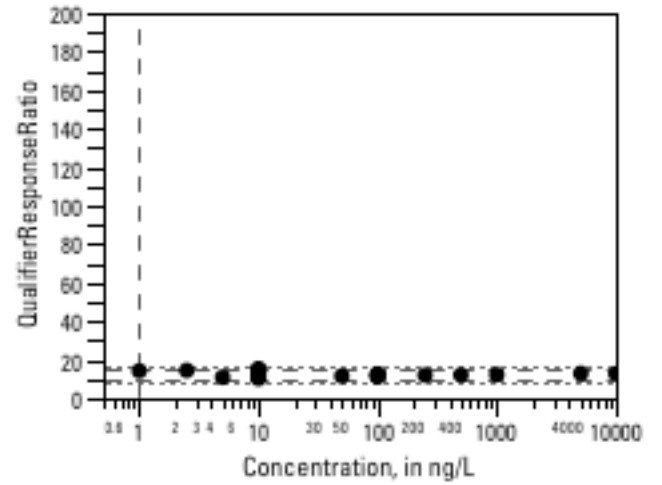
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Pymetrozine 68680 A

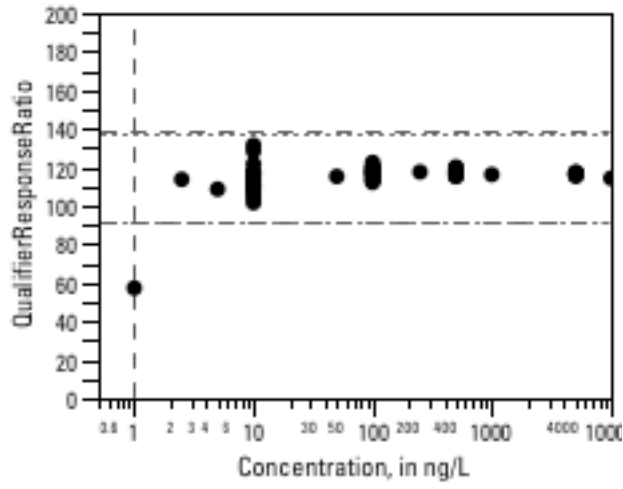


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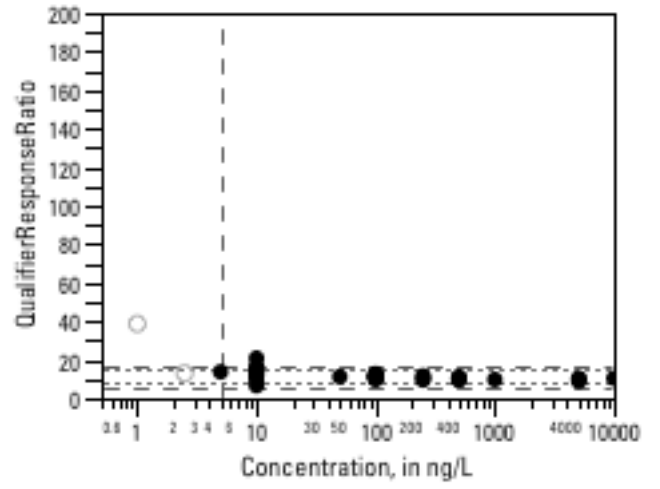




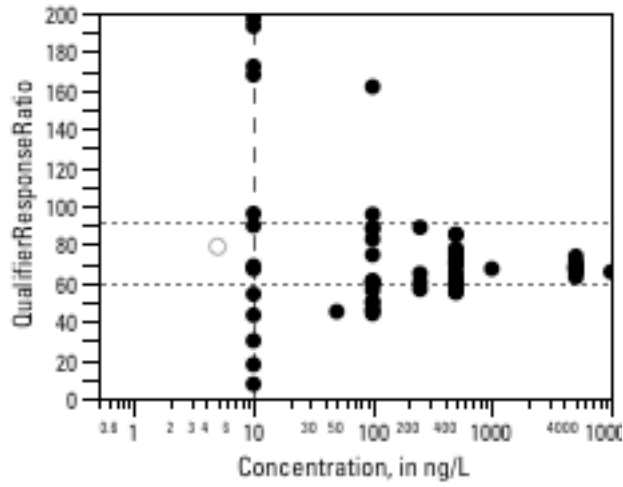
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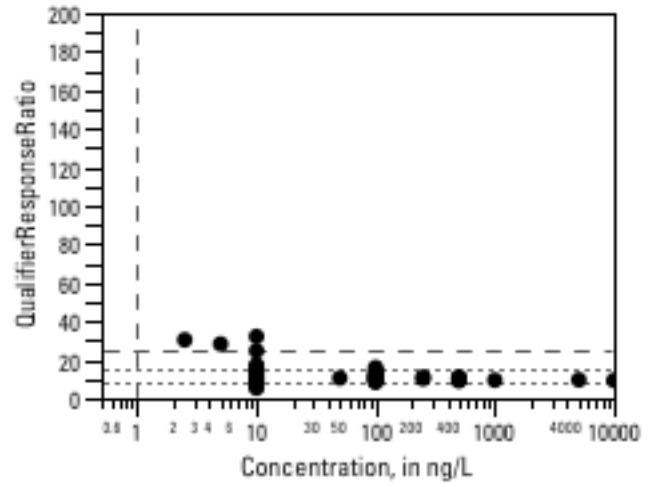
Acephate 68519 A



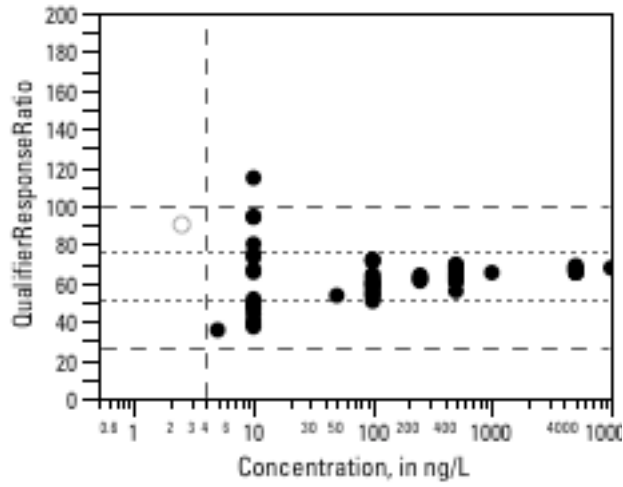
Terbacil 68698 A



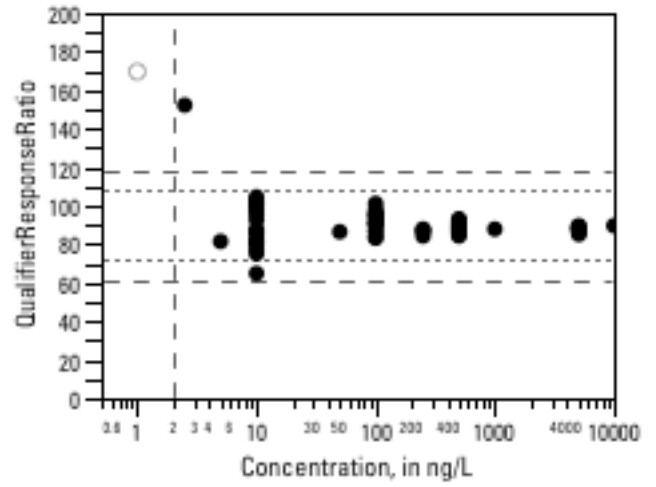
Methamidophos 68644 A



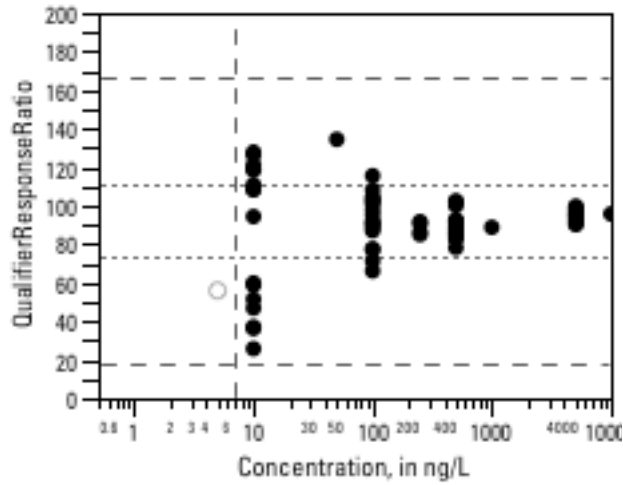
Azinphos-methyl 65066 A



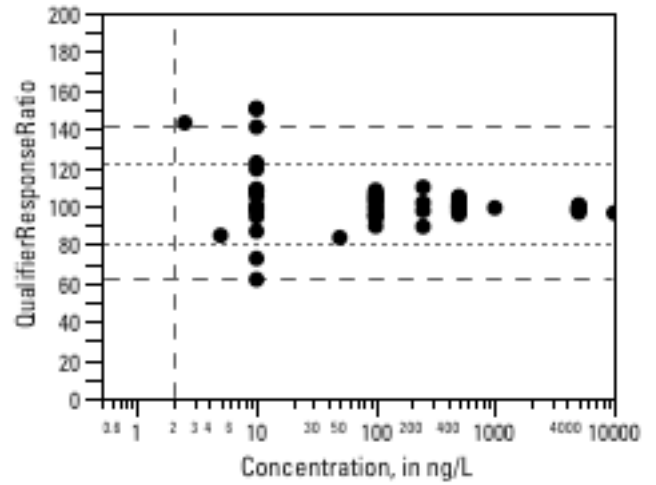
Chlorpyrifos 65072 A



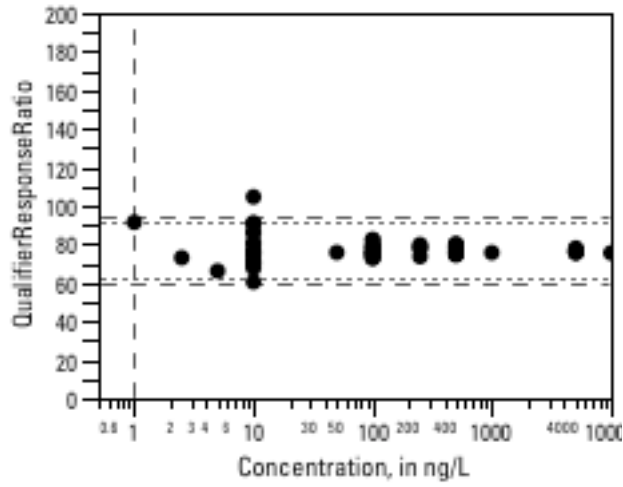
Azinphos-methyl oxon 68211 A



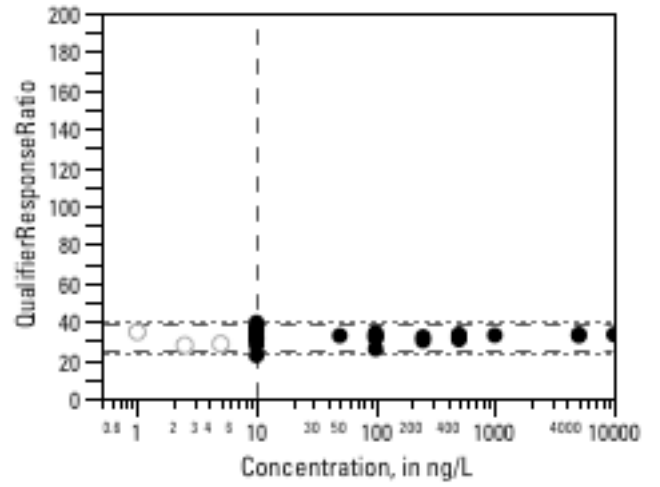
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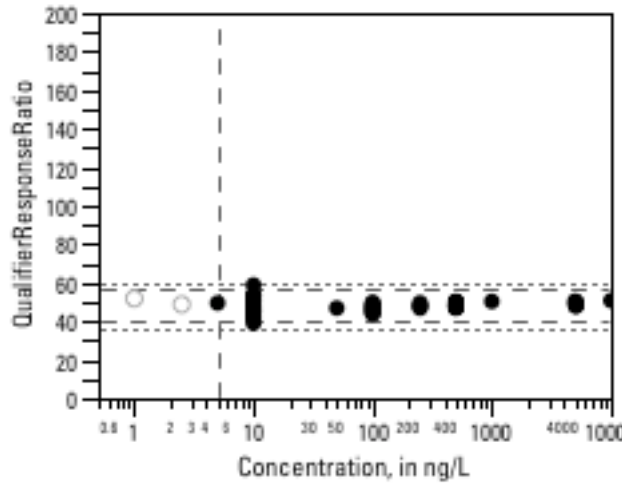
Diazinon 65078 A



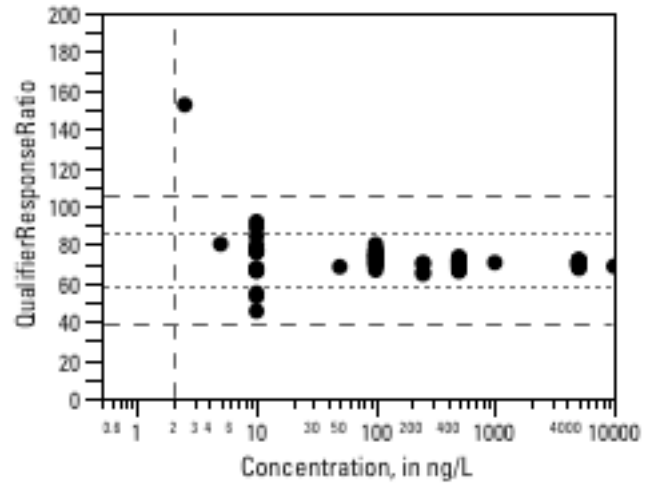
Pyrimidinol 68505 A



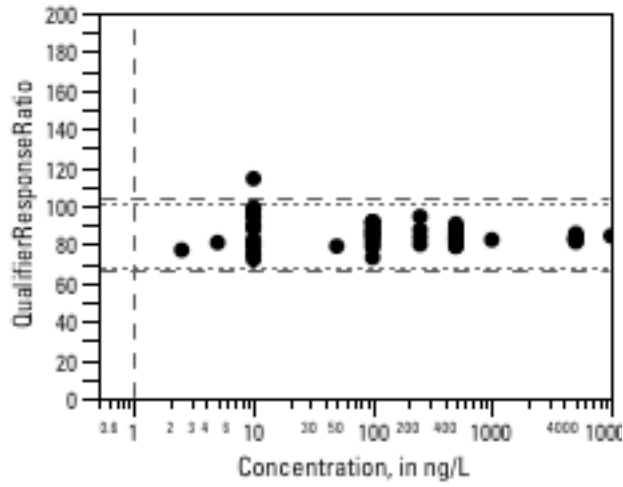
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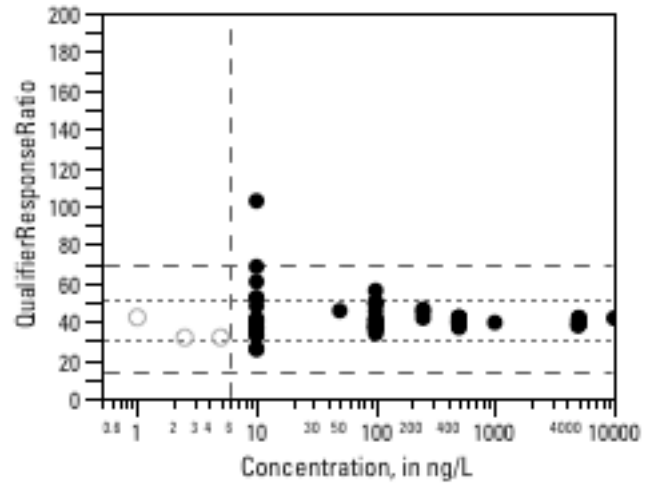
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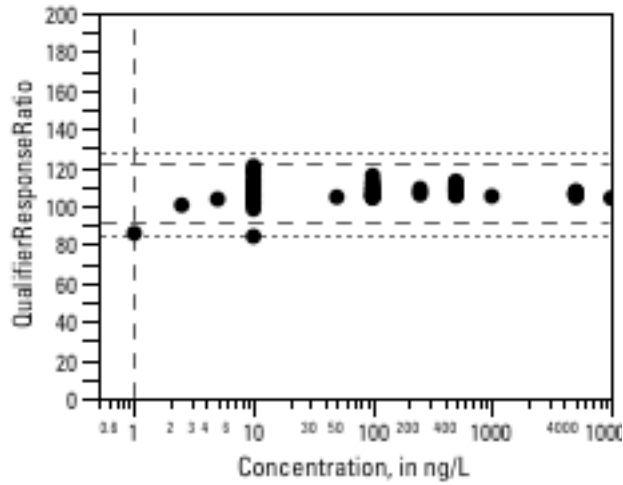
Dimethoate 66596 A



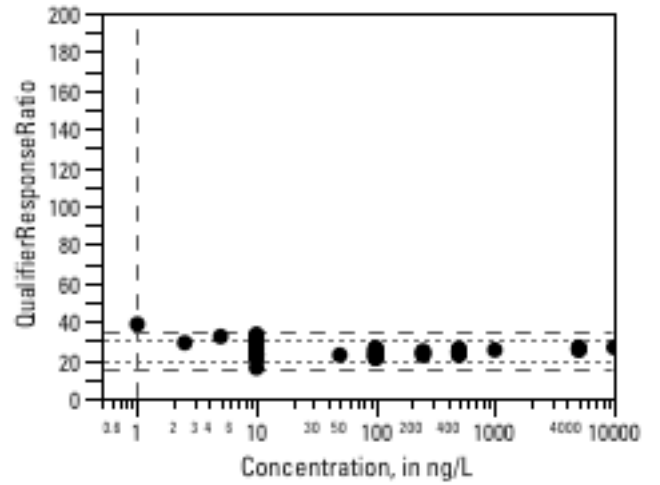
Disulfoton 67595 A



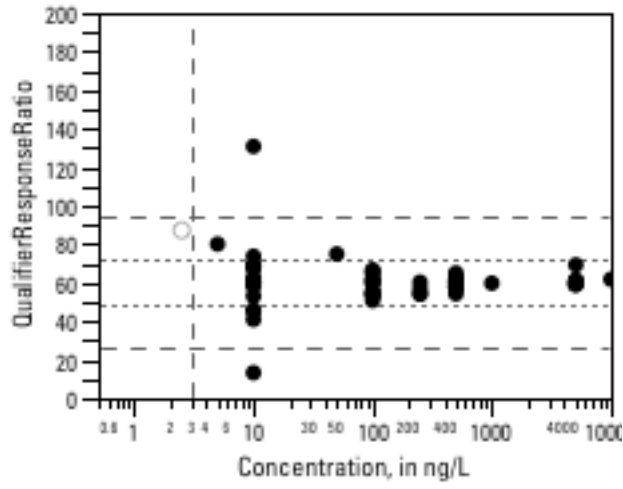
Dimethoate oxon 68661 A



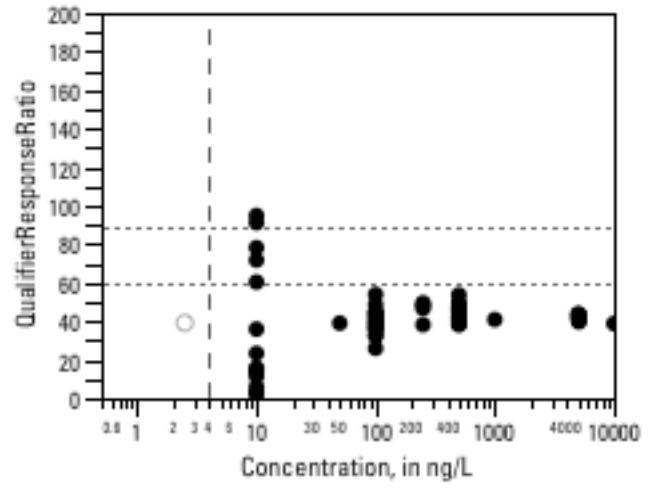
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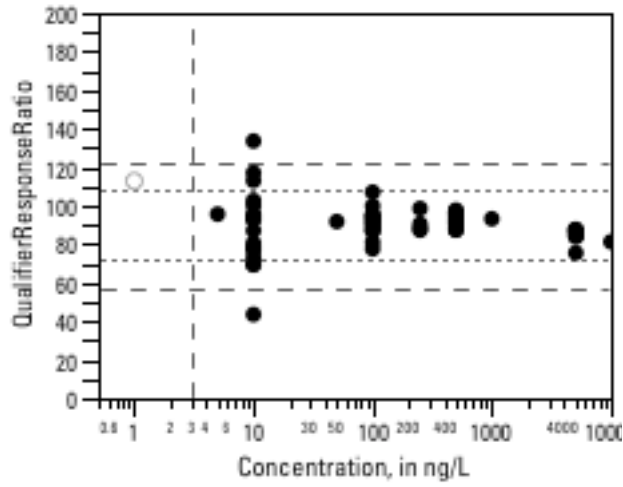
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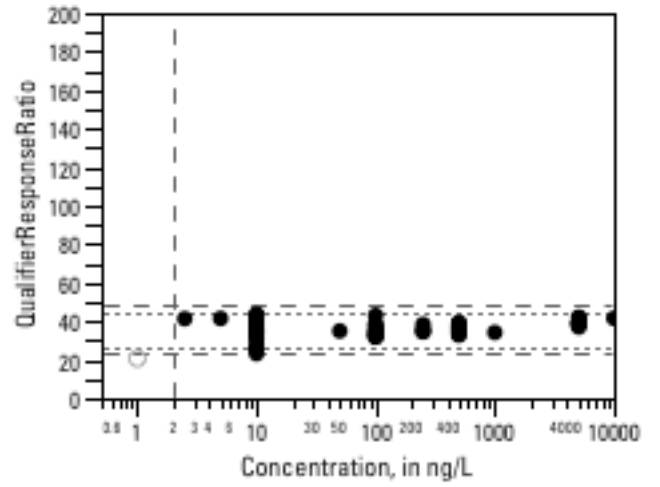
Disulfoton sulfone 68589 A



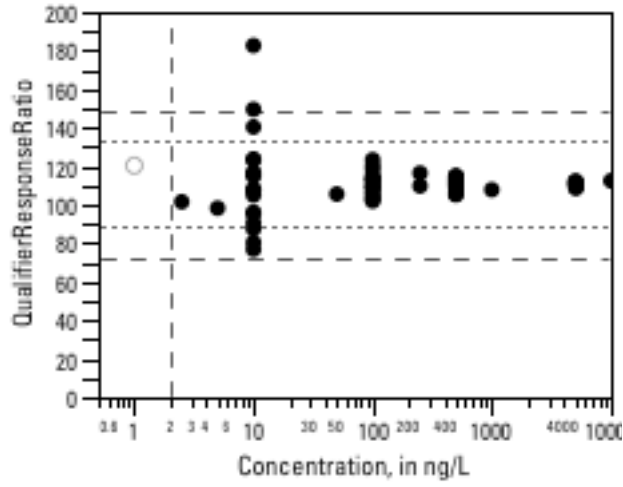
Disulfoton oxon sulfoxide 68587 A



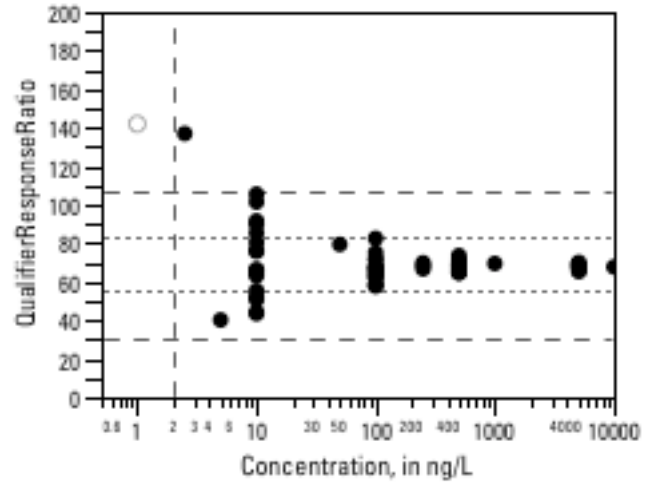
Disulfoton sulfoxide 68590 A



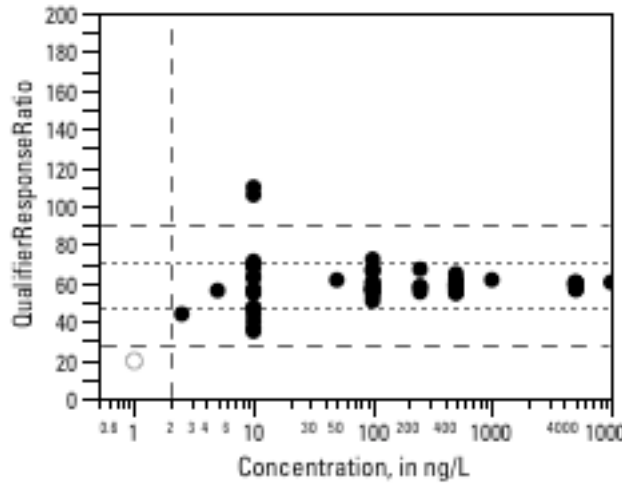
Ethoprop 68596 A



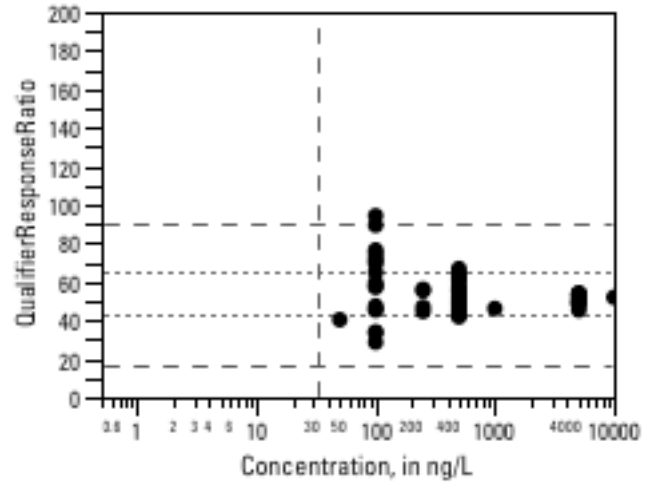
O-ethyl-S-methyl-S-propyl phosphorodithioate 68657 A



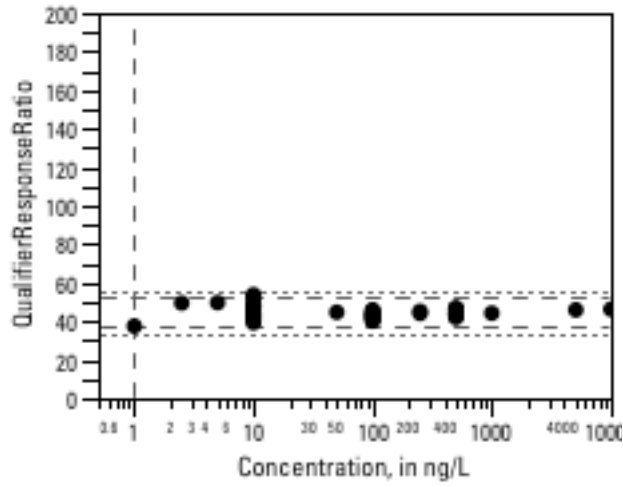
O-Ethyl-O-methyl-S-propyl phosphorothioate 68597 A



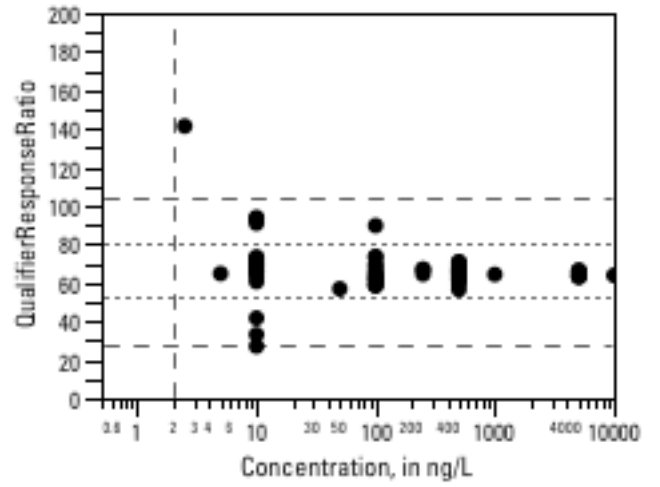
O-Ethyl-S-propyl phosphorothioate 68658 A



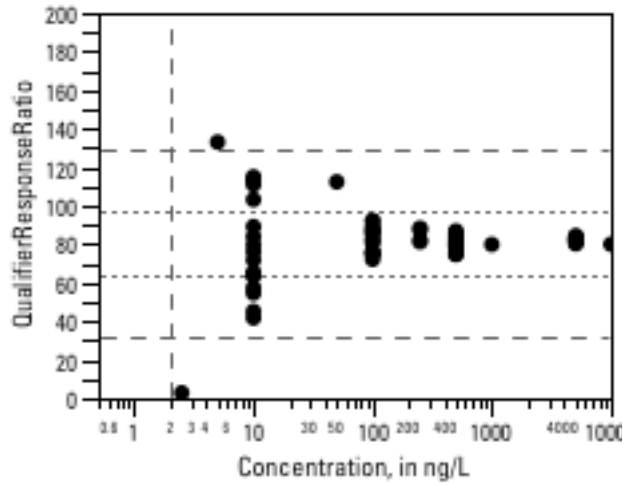
Fenamiphos 68599 A



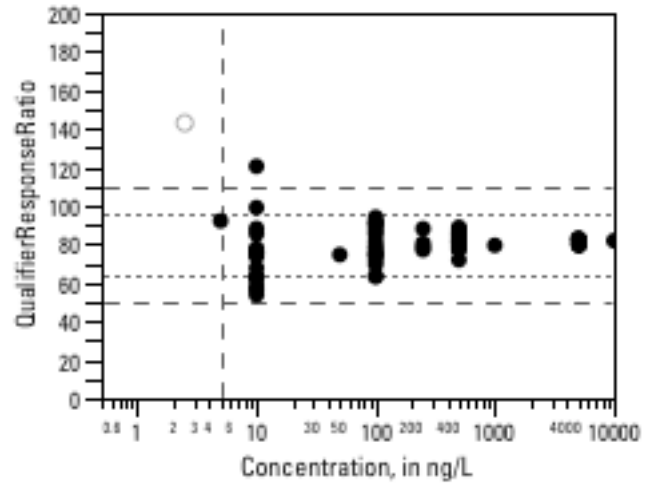
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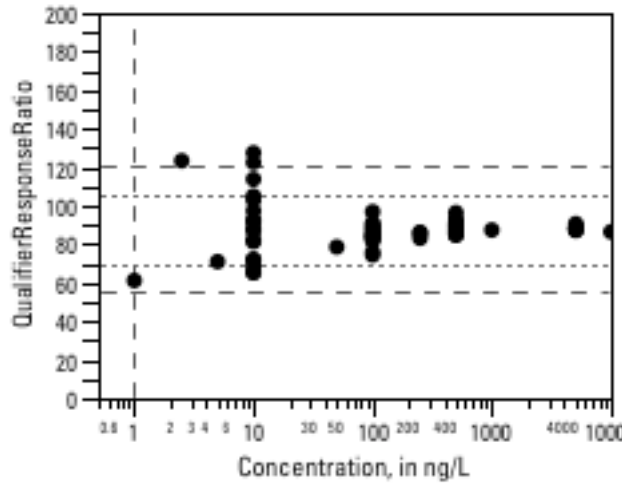
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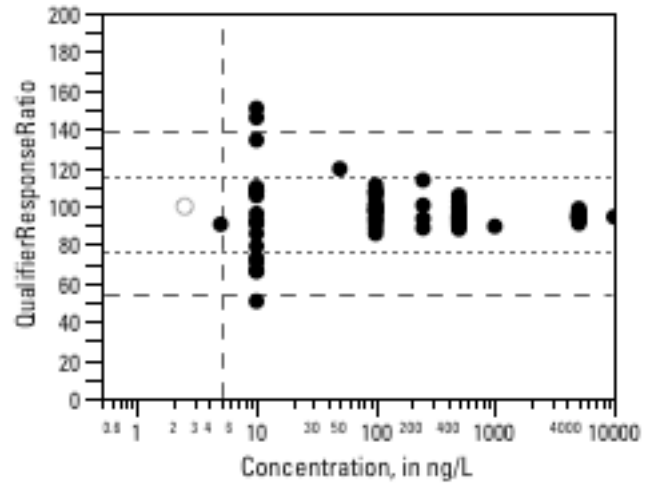
Fonofos 65084 A



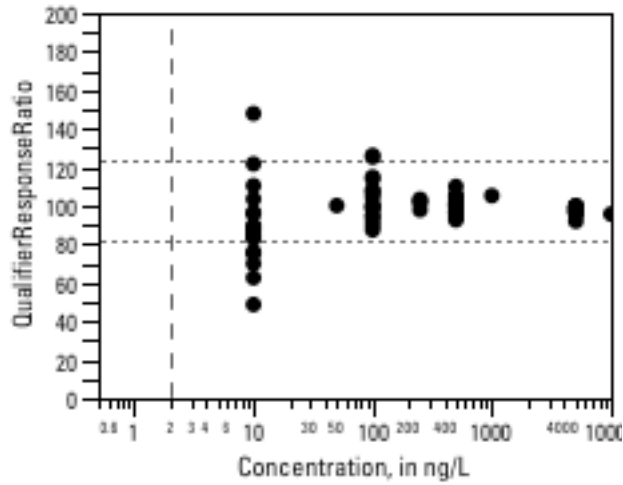
Malaoxon 68240 A



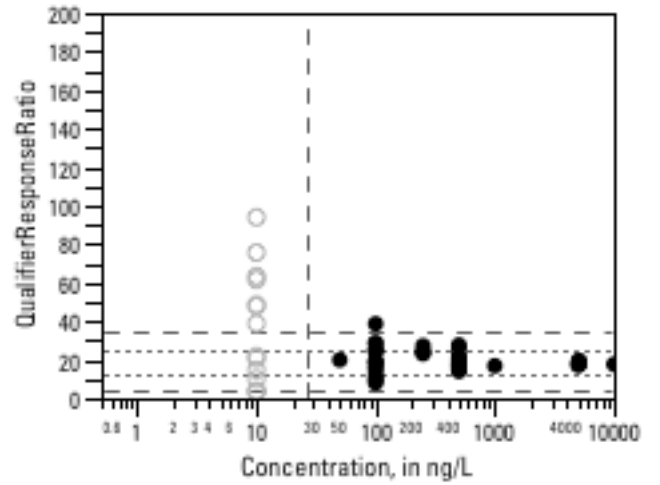
Methidathion 65088 A



Malathion 65087 A

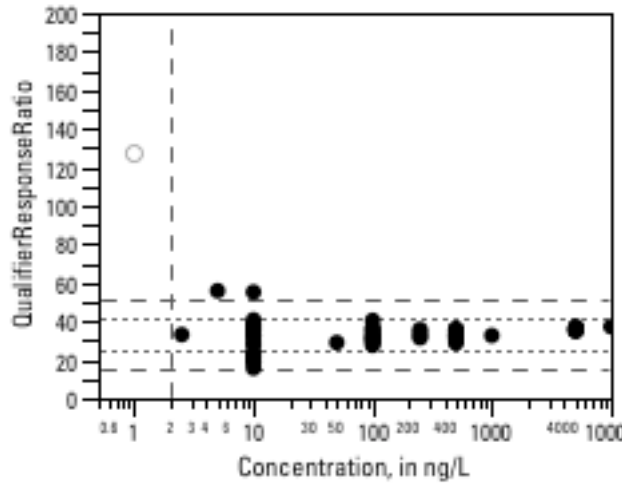


Dichlorvos 68572 A

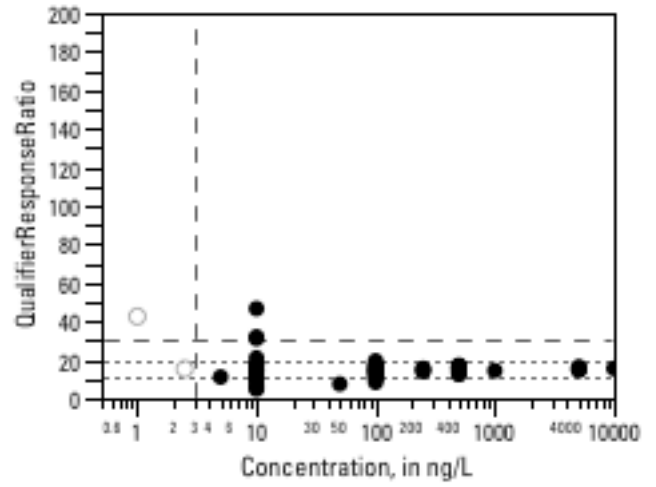




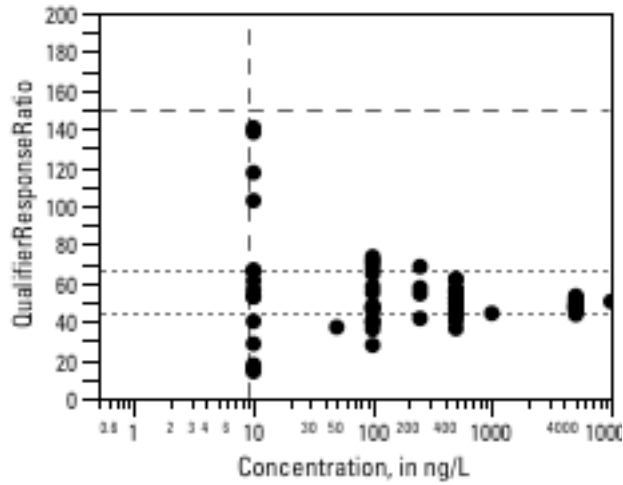
Paraoxon 68666 A



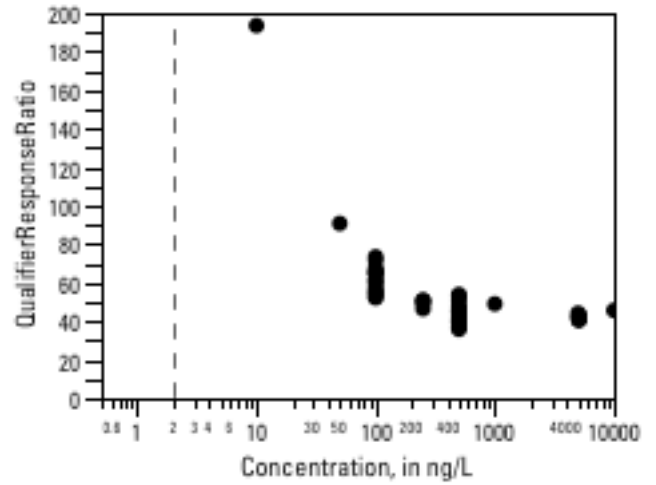
Phorate 68668 A



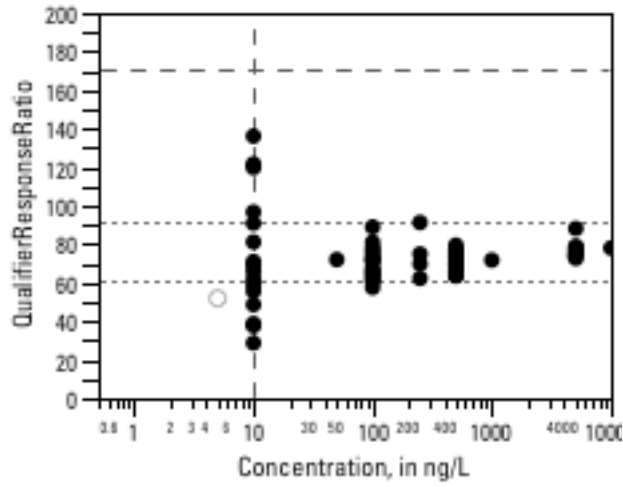
Paraoxon-methyl 68648 A



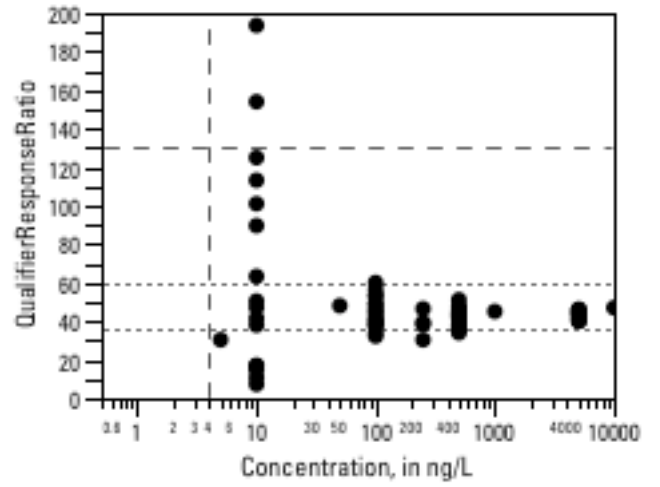
Phorate oxon 68669 A



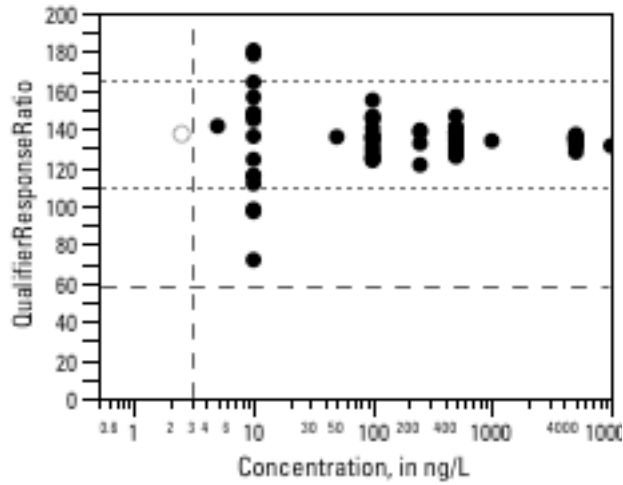
Phorate oxon sulfone 68670 A



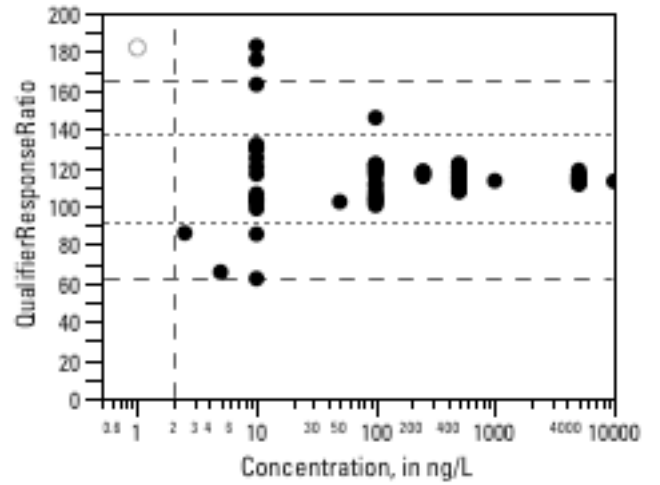
Phorate sulfone 68672 A



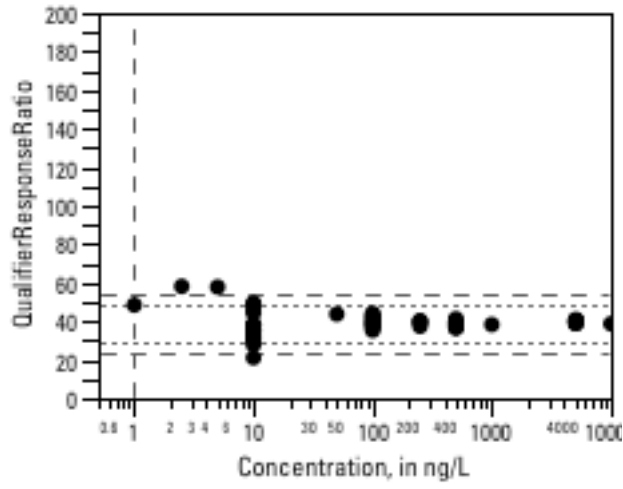
Phorate oxon sulfoxide 68671 A



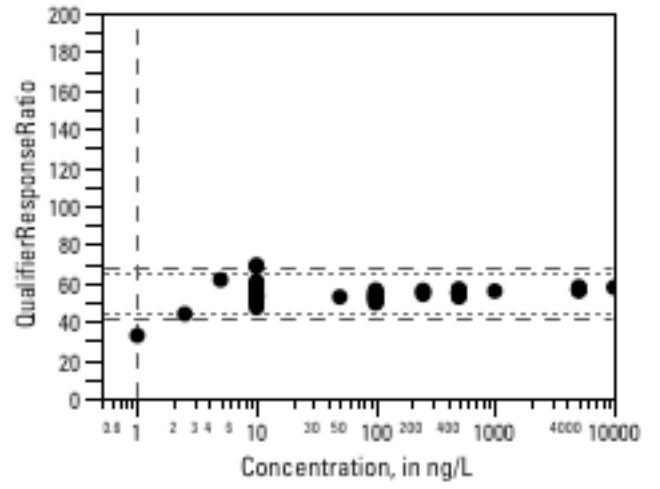
Phorate sulfoxide 68673 A



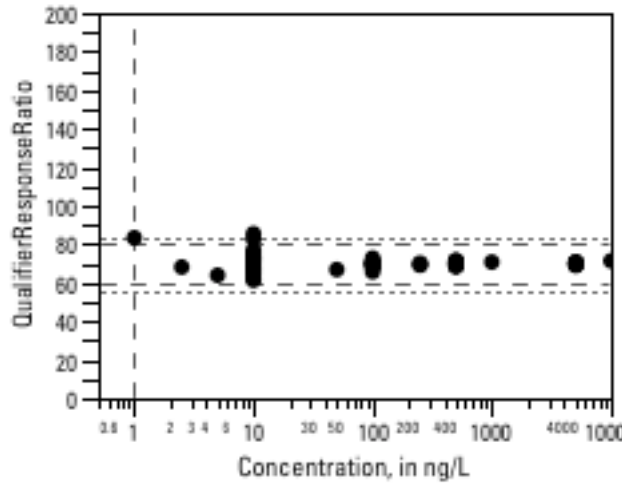
Profenofos 68676 A



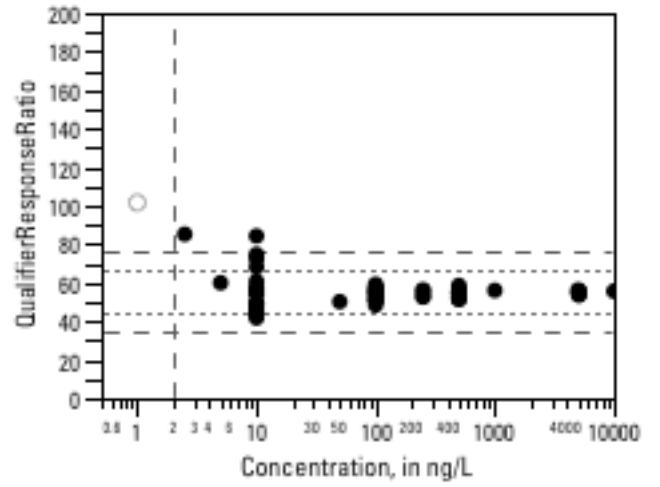
Tebupirimfos oxon 68694 A



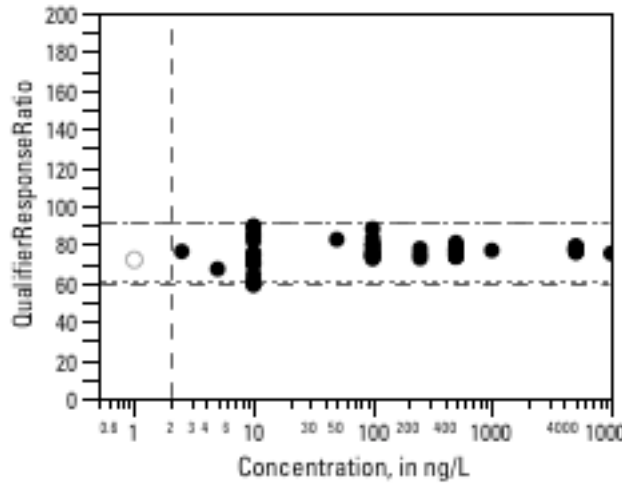
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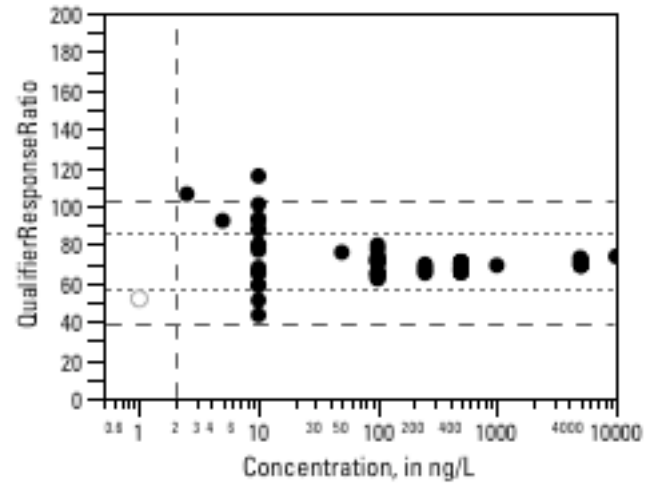
Terbufos 68699 A



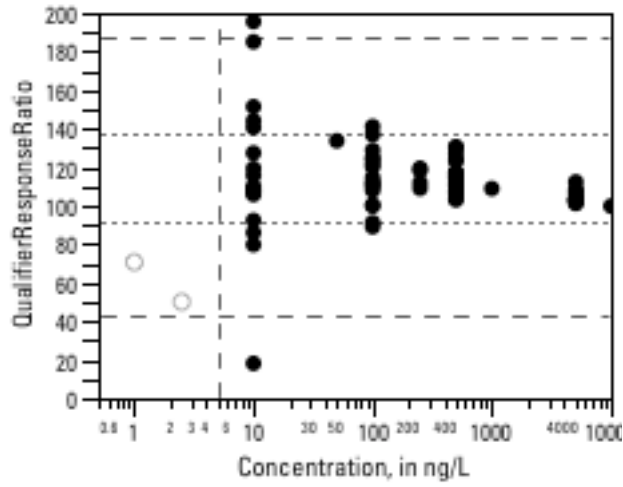
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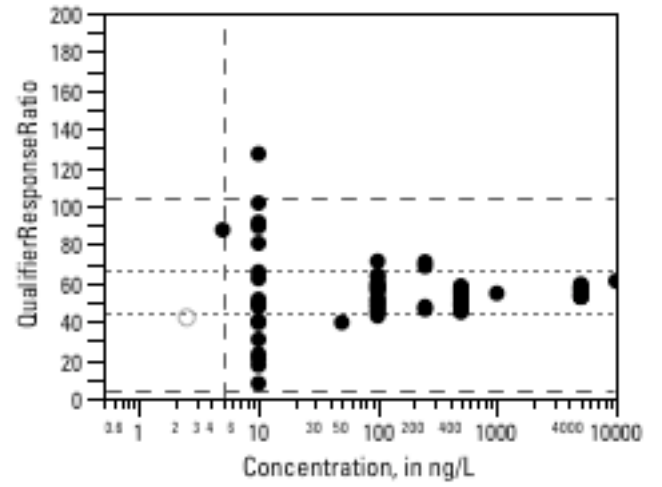
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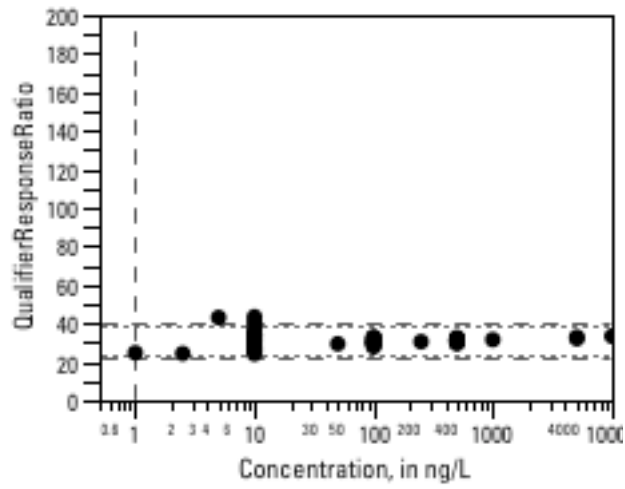
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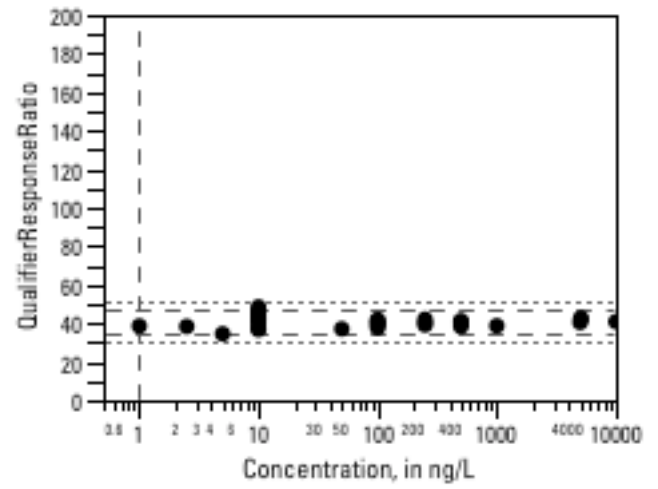
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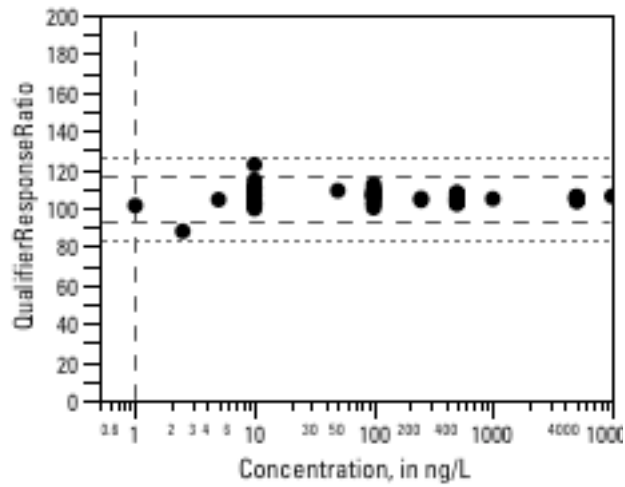
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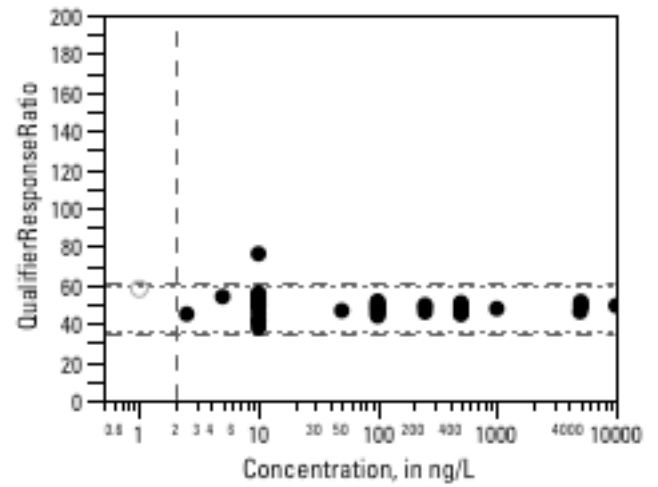
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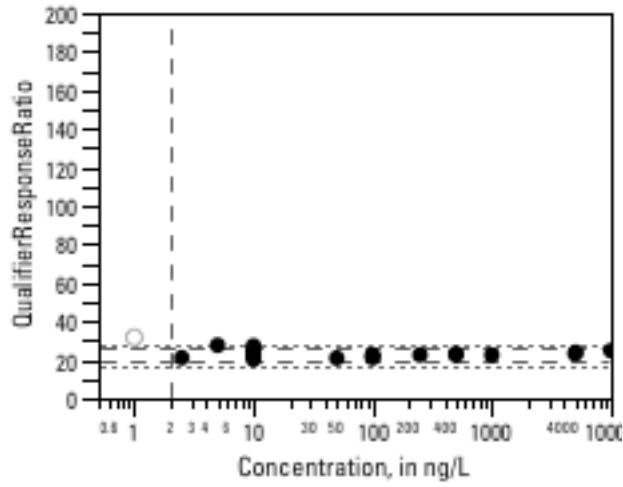
Tribuphos 68711 A



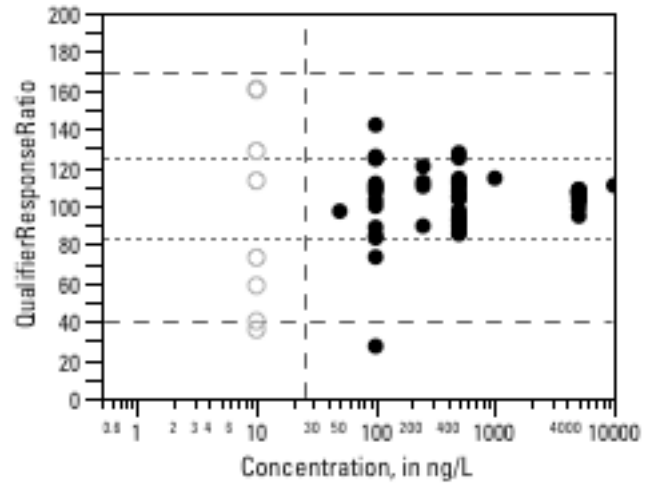
trans-Permethrin 68708 A



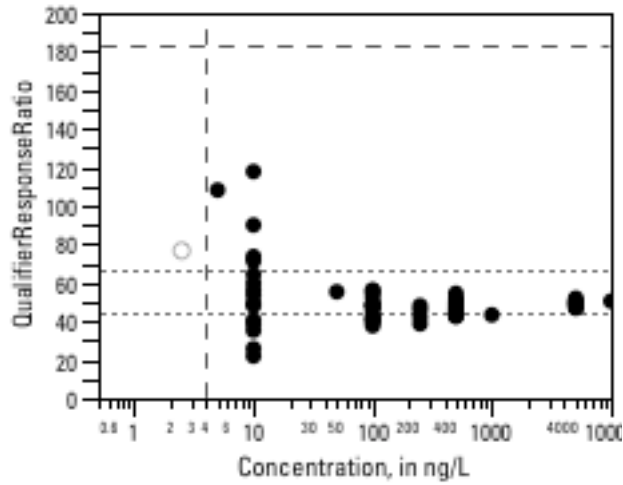
Piperonyl butoxide 65102 A



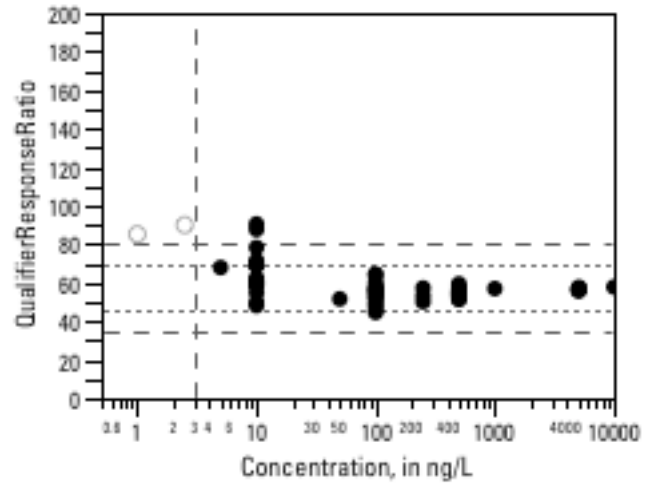
Chlorsulfuron 61678 A



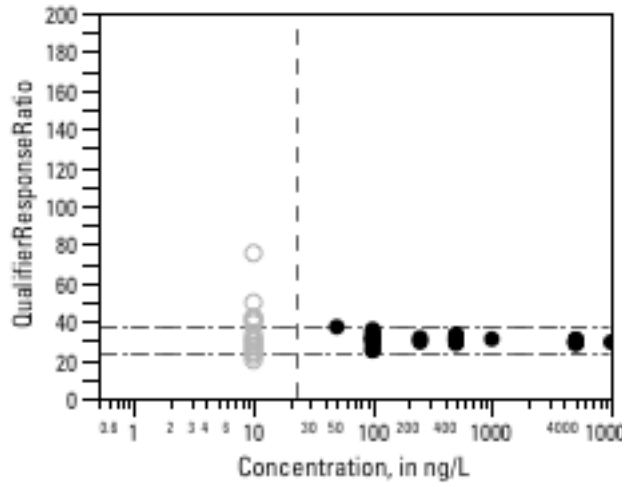
Chlorimuron-ethyl 68872 A



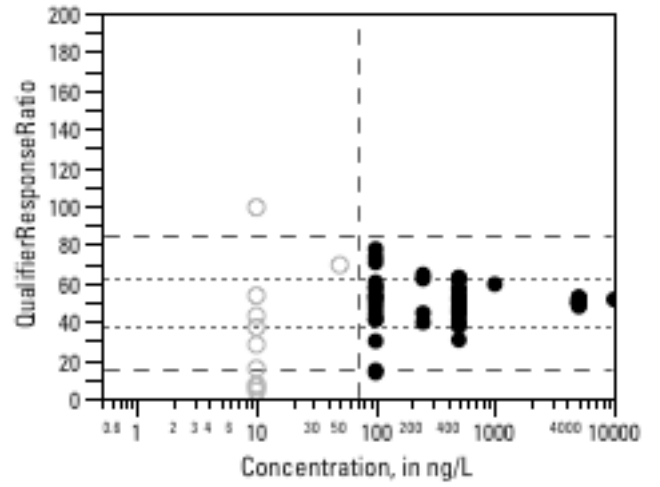
Diflubenzuron 68576 A



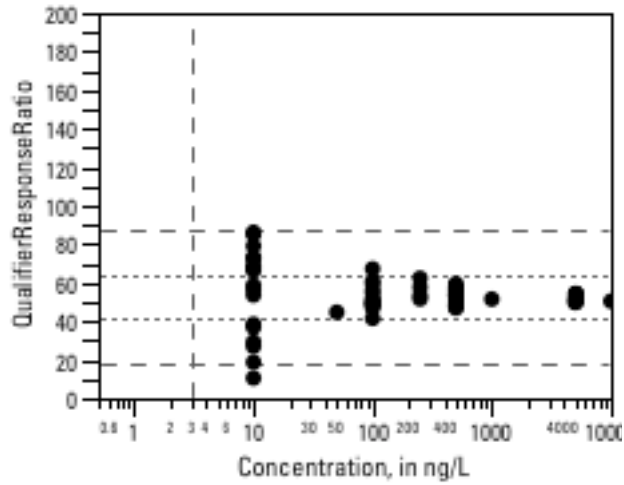
Hydroxyphthalazinone 68623 A



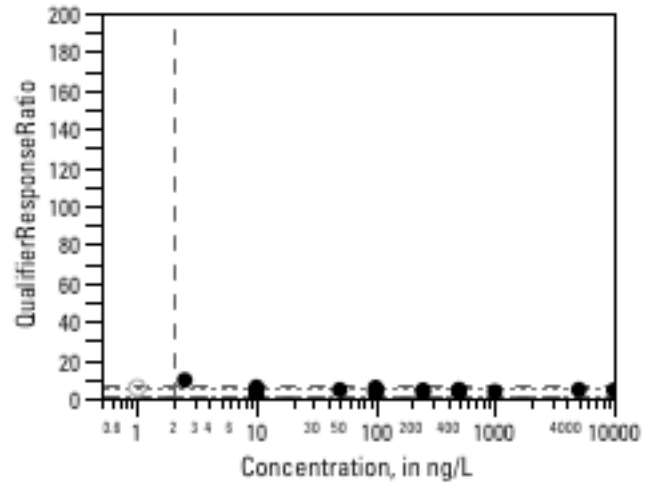
3,4-Dichlorophenylurea 68226 A



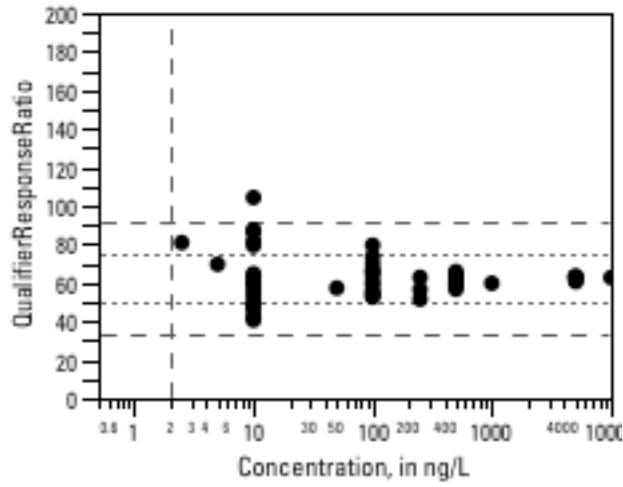
Phthalazinone 68675 A



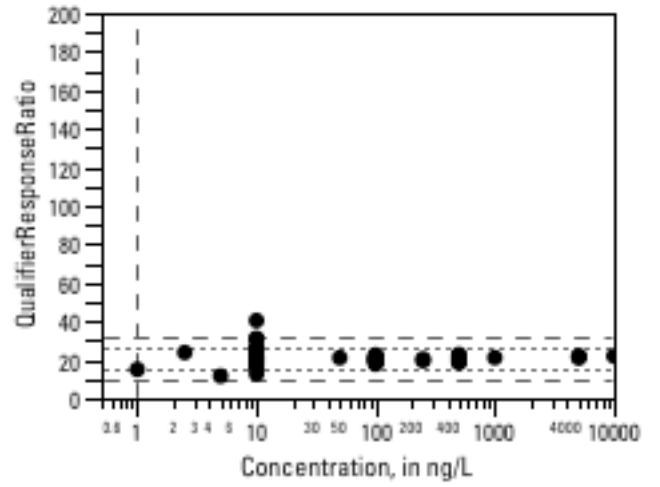
Diuron 66598 A



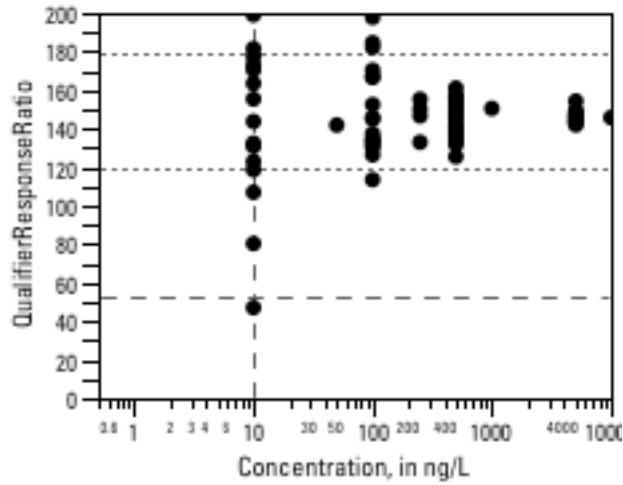
N-(3,4-Dichlorophenyl)-N-methylurea 68231 A



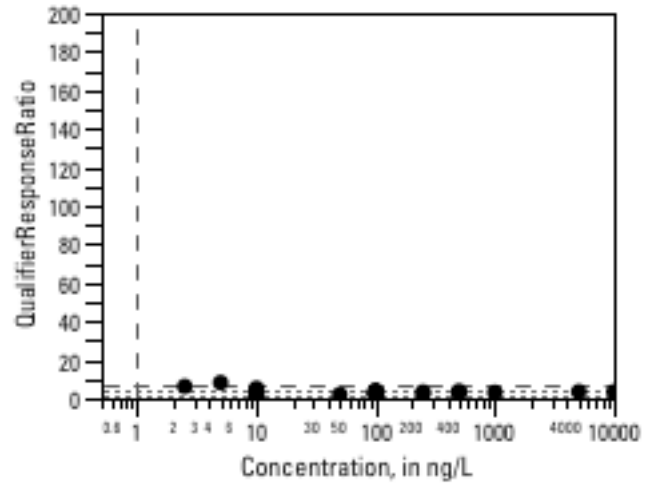
Demethyl fluometuron 68591 A



4-Hydroxy-tert-fluometuron 68619 A

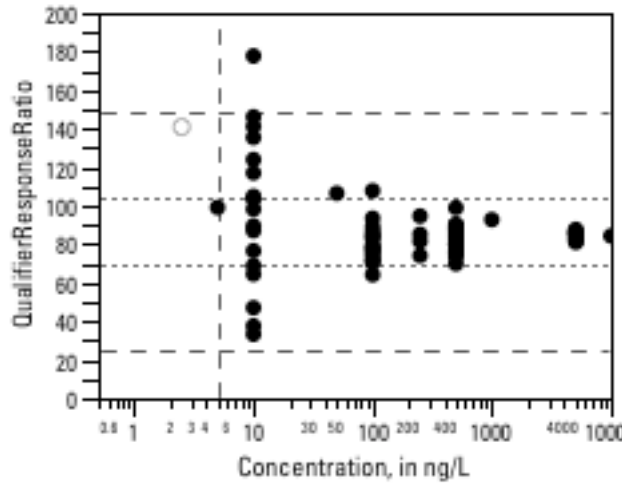


Fluometuron 68608 A

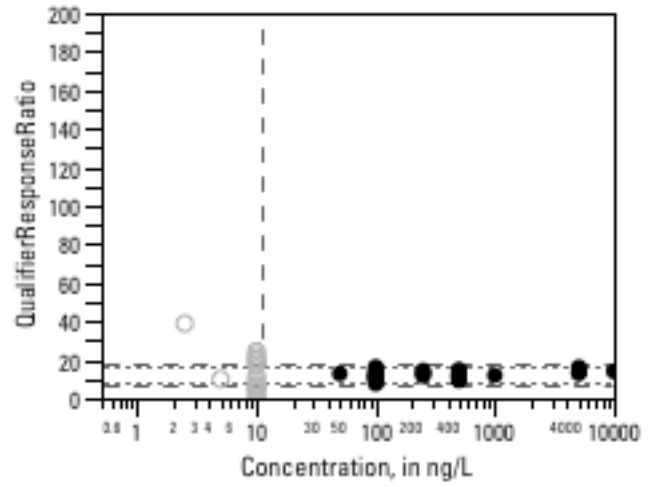




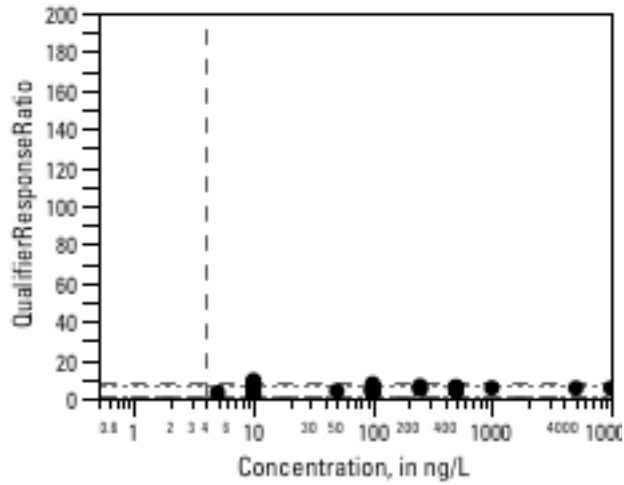
Hydroxy mono demethyl fluometuron 68617 A



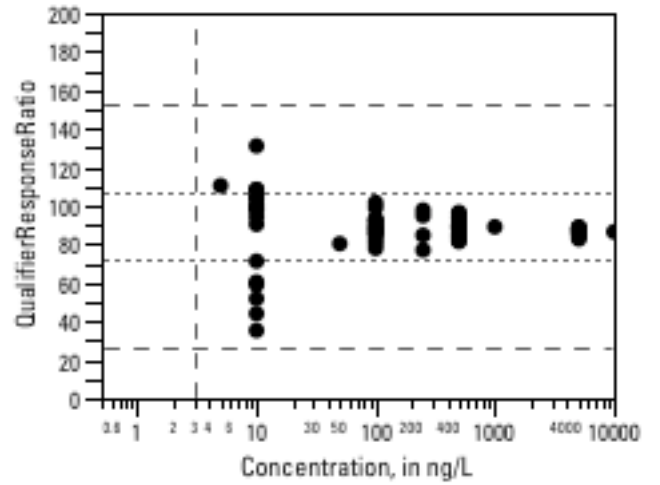
Halosulfuron-methyl 61680 A



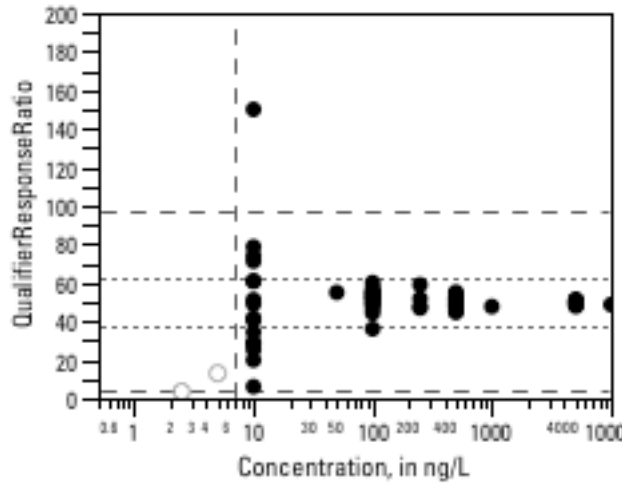
Hydroxyfluometuron 68620 A



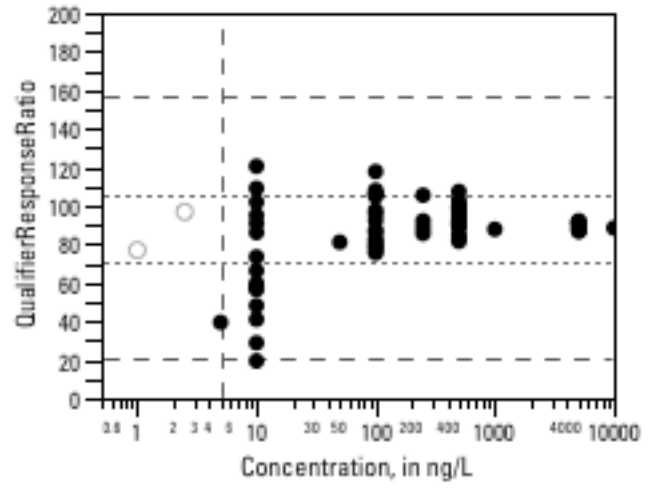
Linuron 68639 A



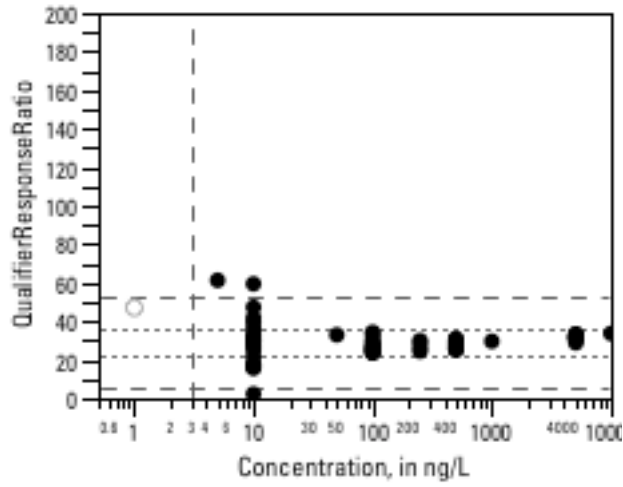
Nicosulfuron 61685 A



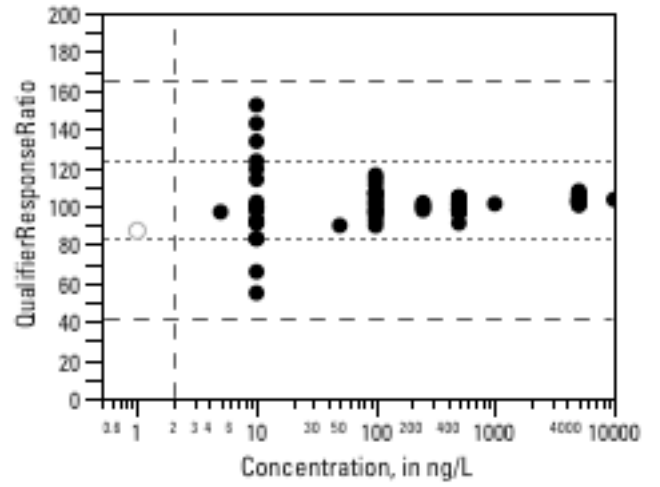
Prosulfuron 61687 A



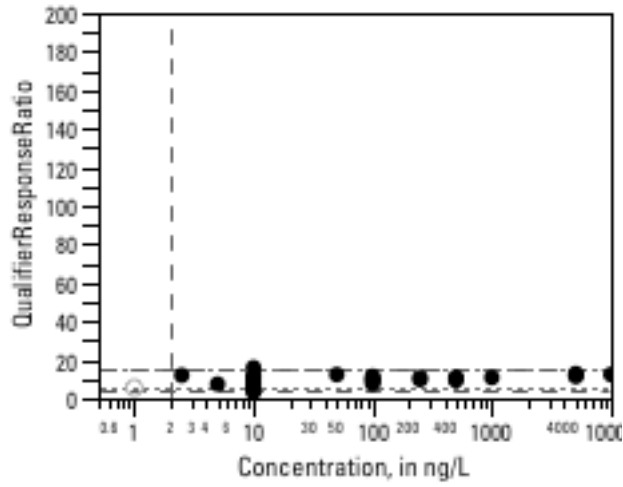
Orthosulfamuron 68662 A



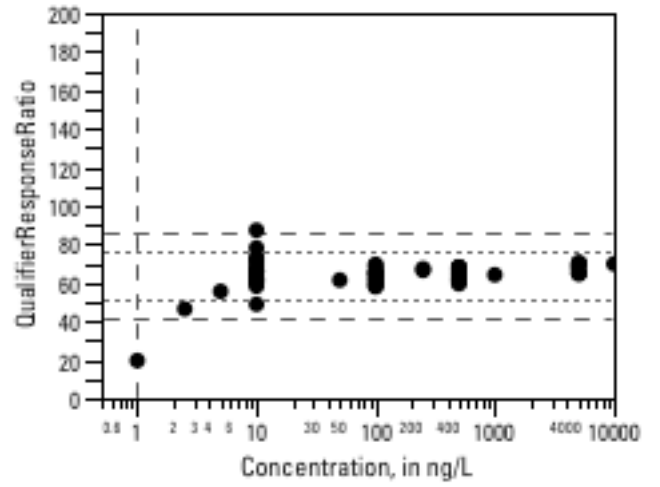
Siduron 68686 A



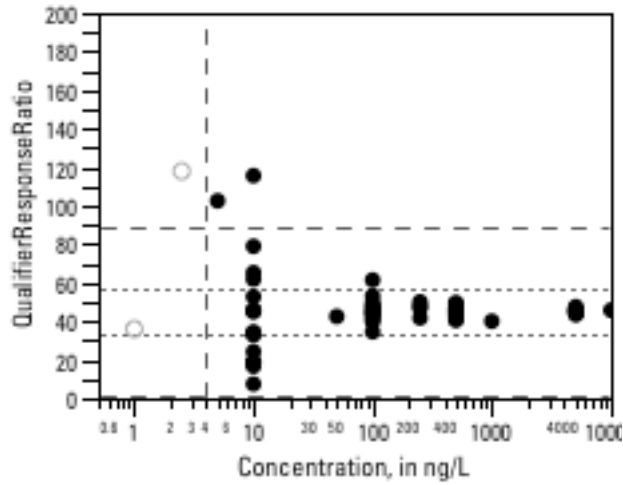
Sulfometuron-methyl 68688 A



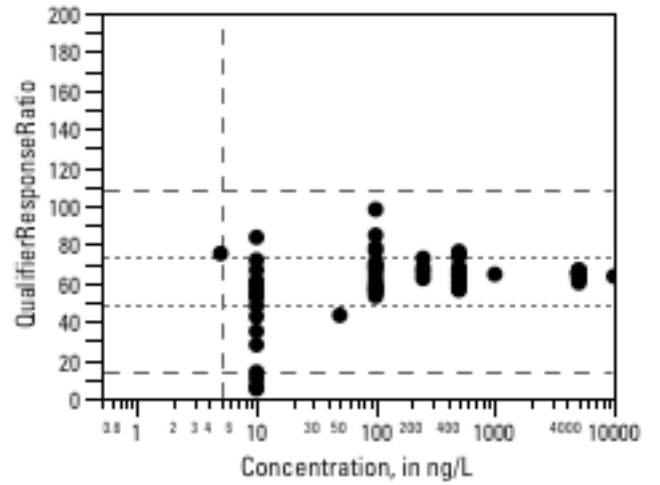
Sulfosulfuron ethyl sulfone 68690 A



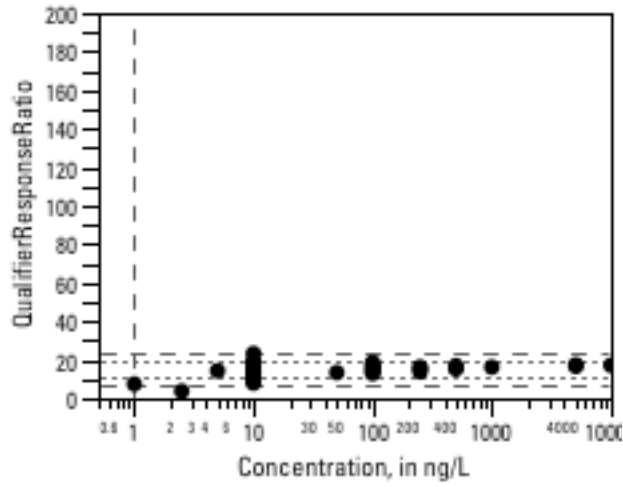
Sulfosulfuron 68689 A



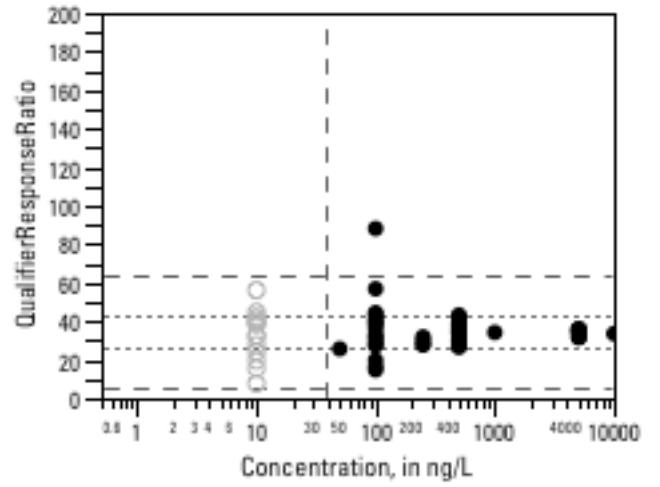
Hydroxytebuthurion 68621 A



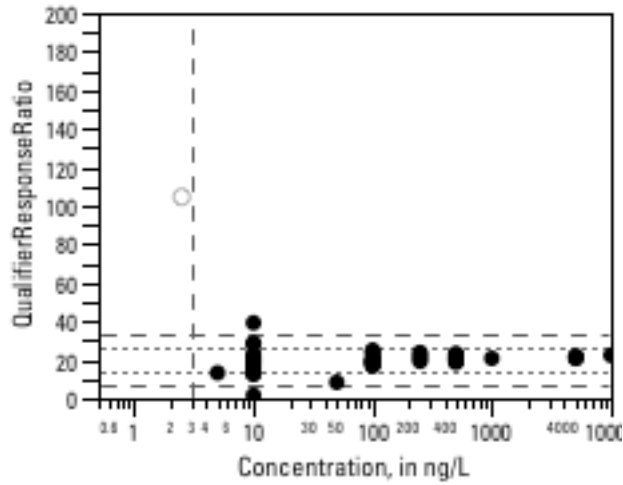
Tebuthiuron 68695 A



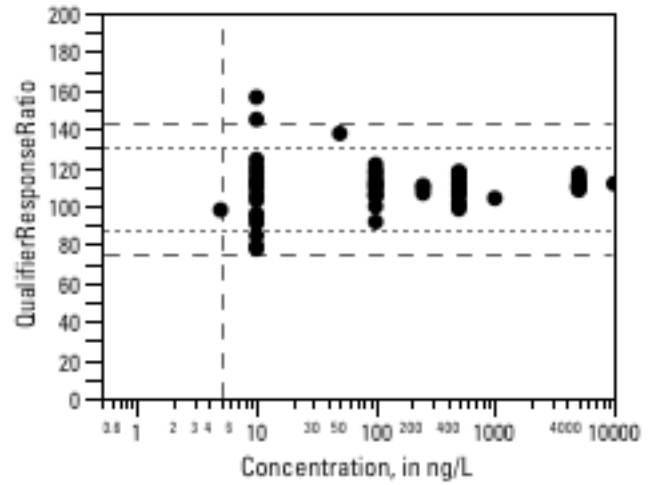
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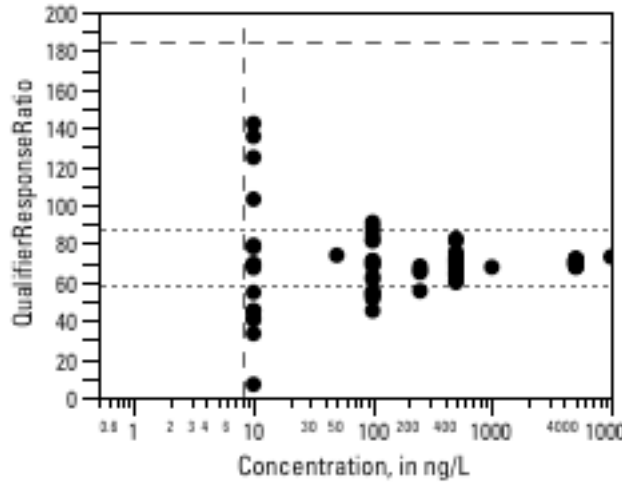
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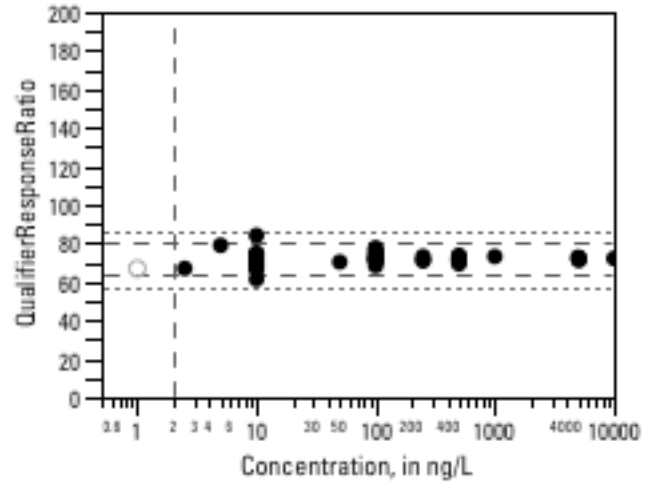
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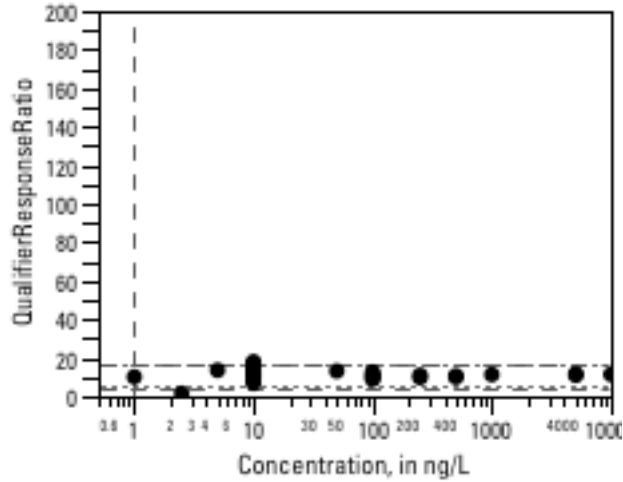
Tebuthiuron TP 109 (OH) 68697 A



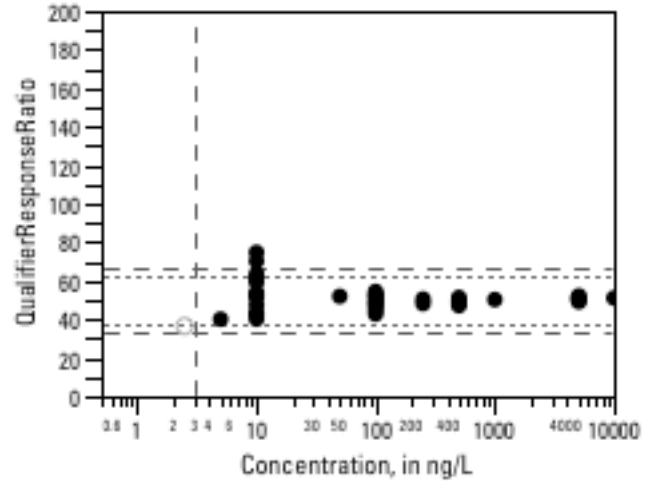
2-Hydroxy-4-isopropylamino-6-amino-s-triazine 68659 A



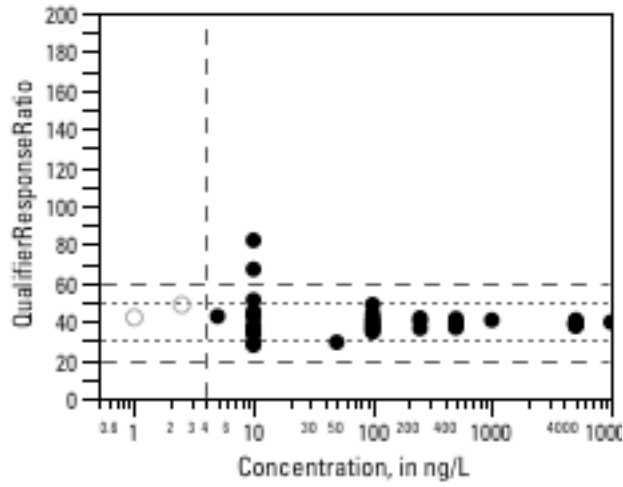
Ametryn 68533 A



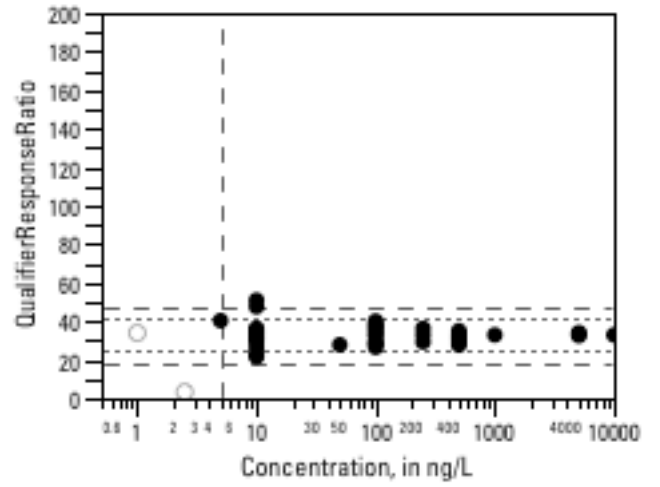
2-Hydroxy-6-ethylamino-4-amino-s-triazine 68656 A



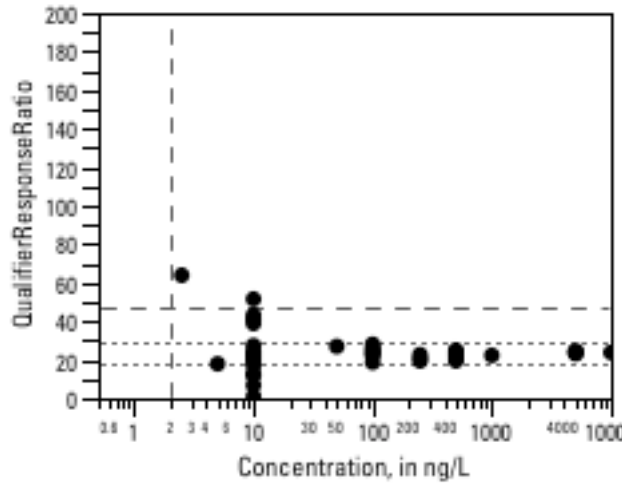
2-Hydroxyatrazine 68660 A



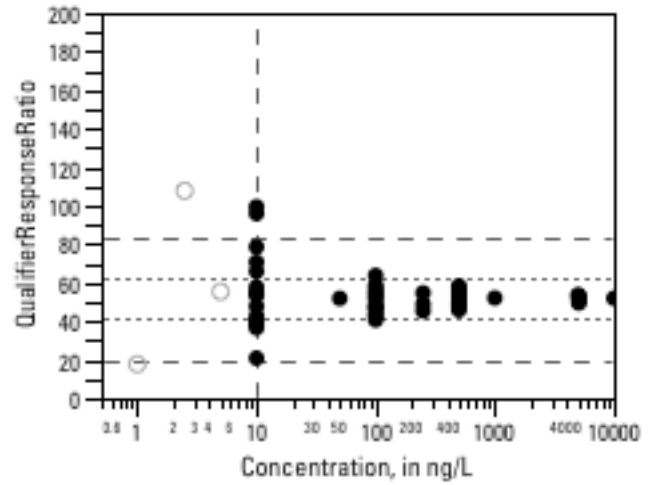
Deethylatrazine 68552 A



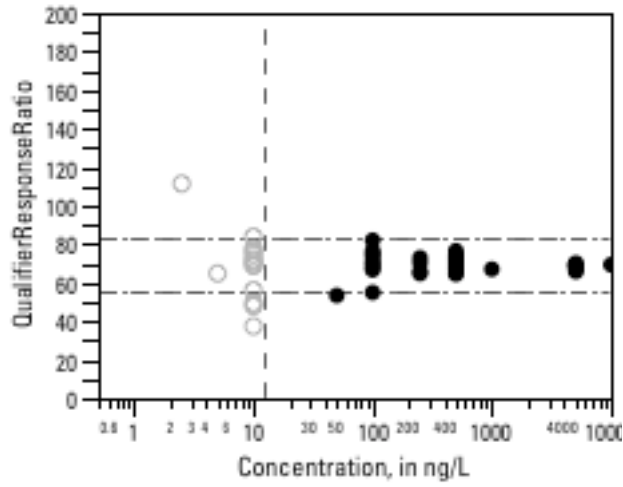
Atrazine 65065 A



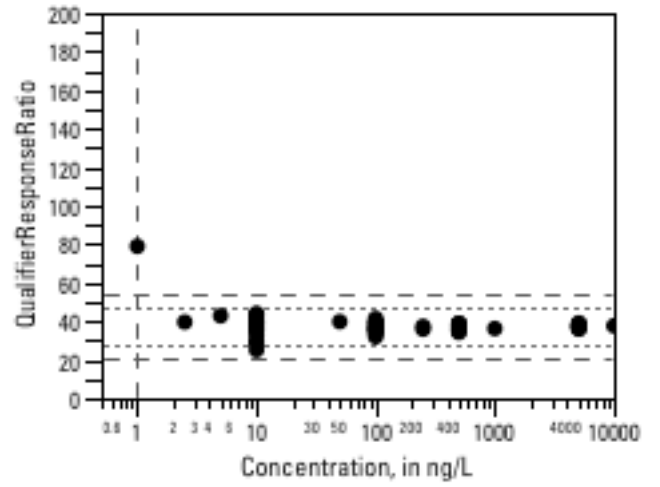
Deisopropylatrazine 68550 A



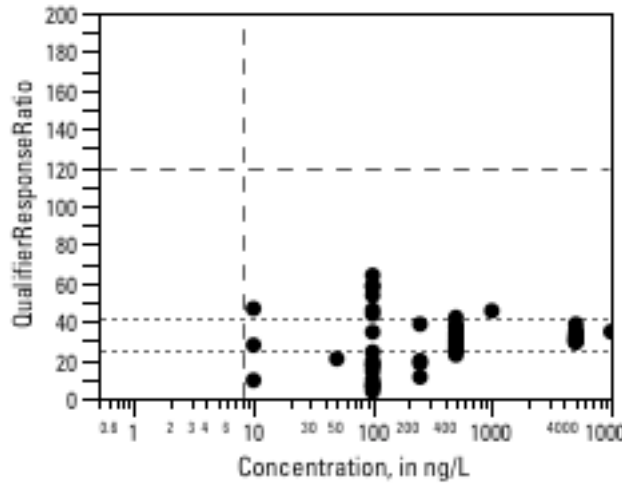
Didealkylatrazine 68547 A



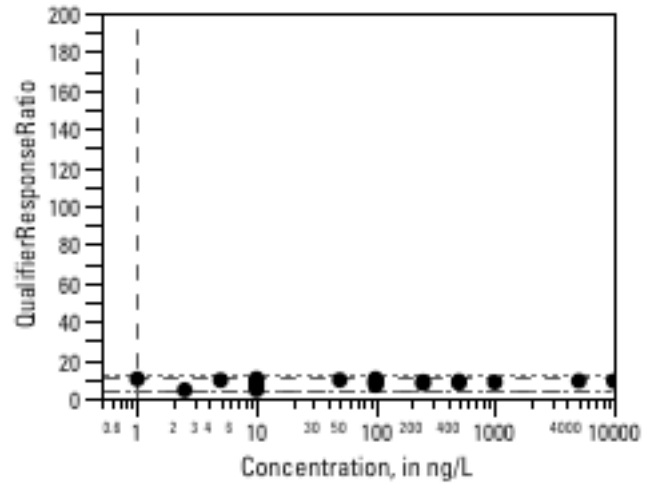
4-Hydroxyhexazinone A 68517 A



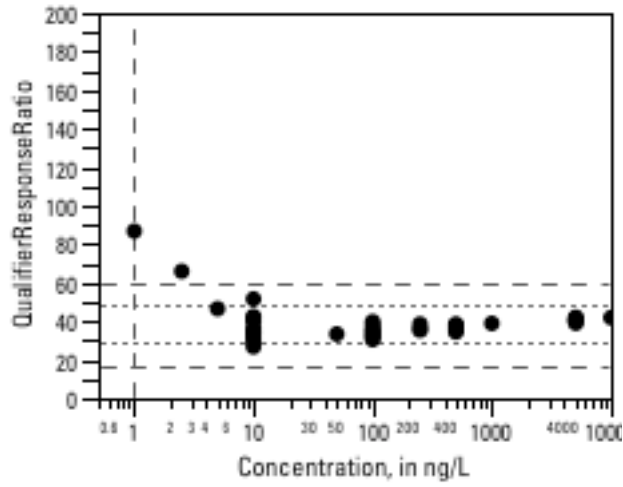
Cyanazine 66592 A



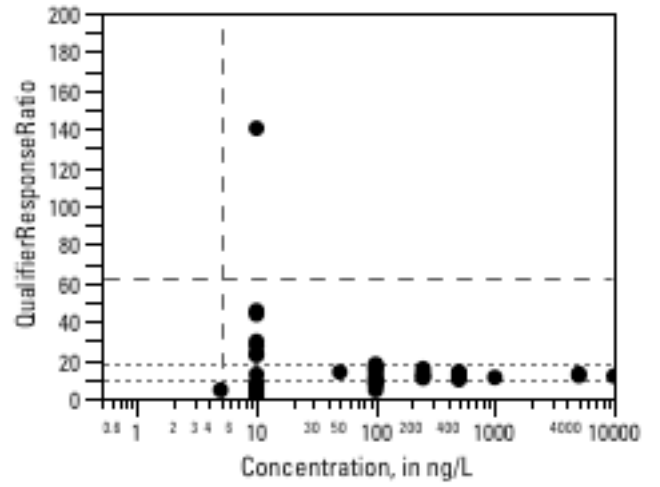
Demethyl hexazinone B 68566 A



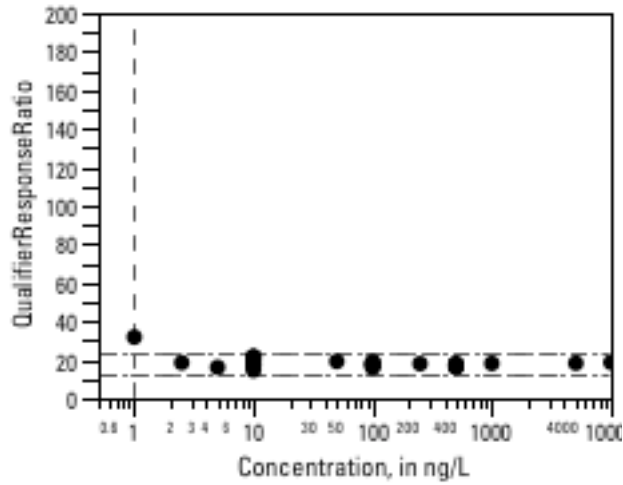
Hexazinone 65085 A



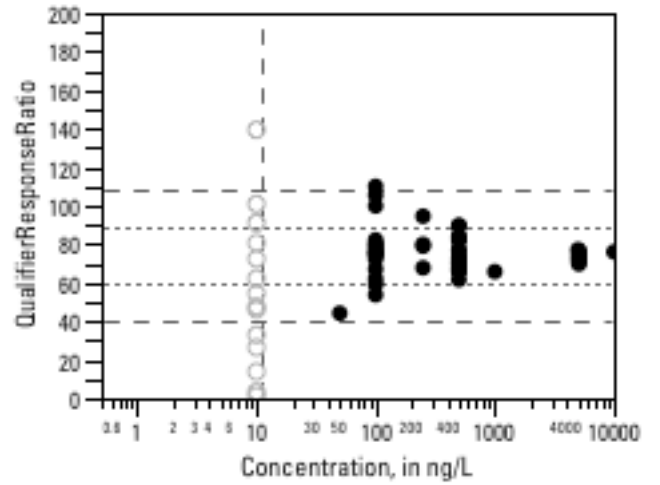
Hexazinone TP F 68574 A



Hexazinone TP C 68612 A

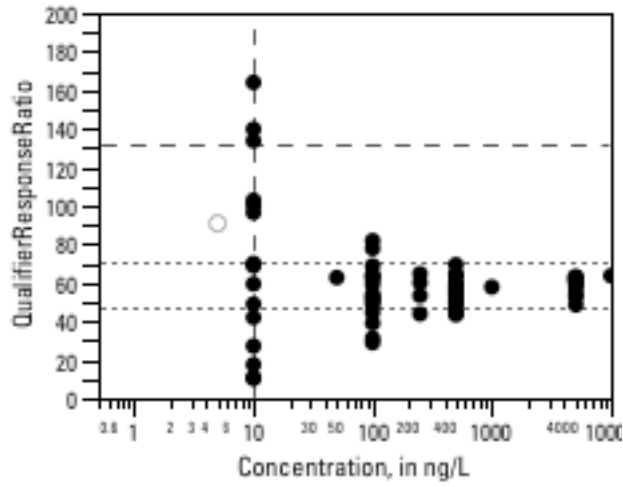


Hexazinone TP G 68713 A

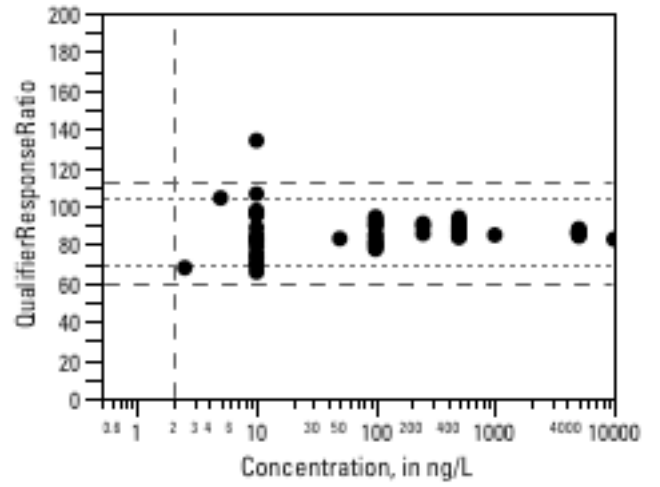




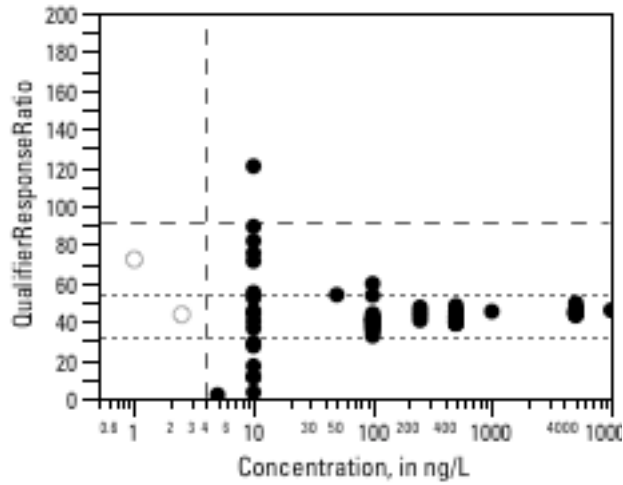
Metribuzin 68652 A



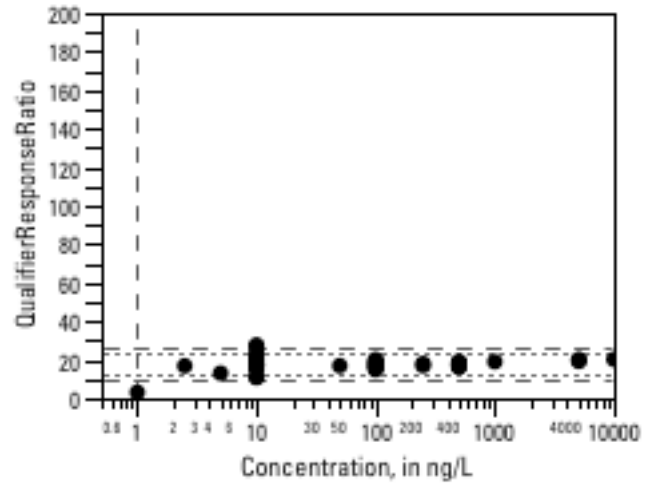
Prometon 67702 A



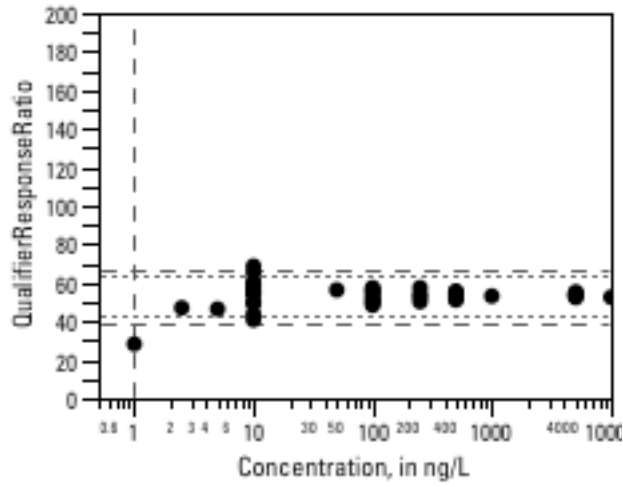
Metribuzin DA 68568 A



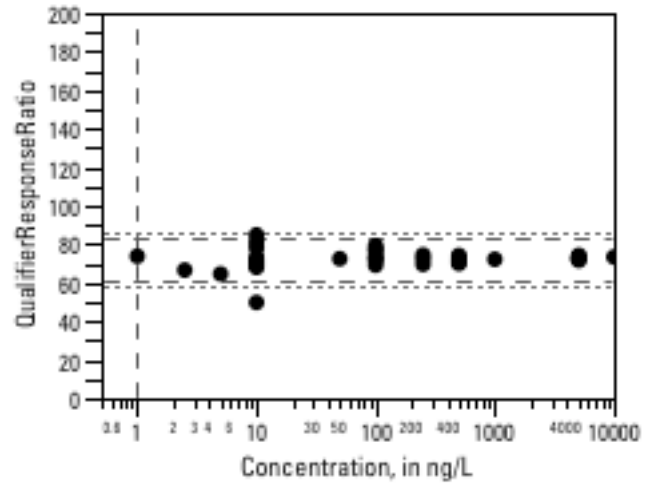
Deisopropyl prometryn 68564 A



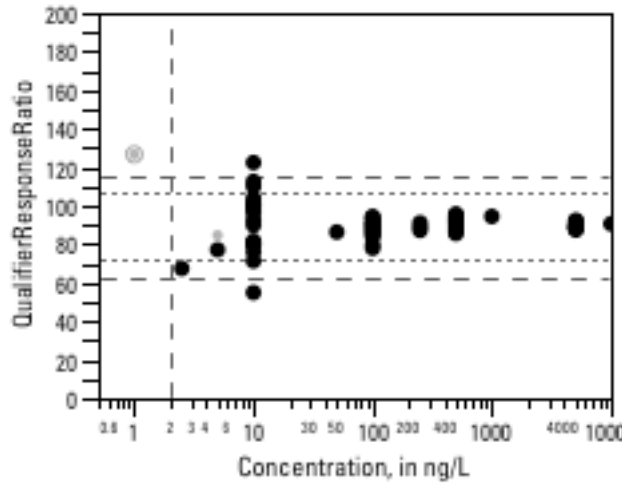
Prometryn 65103 A



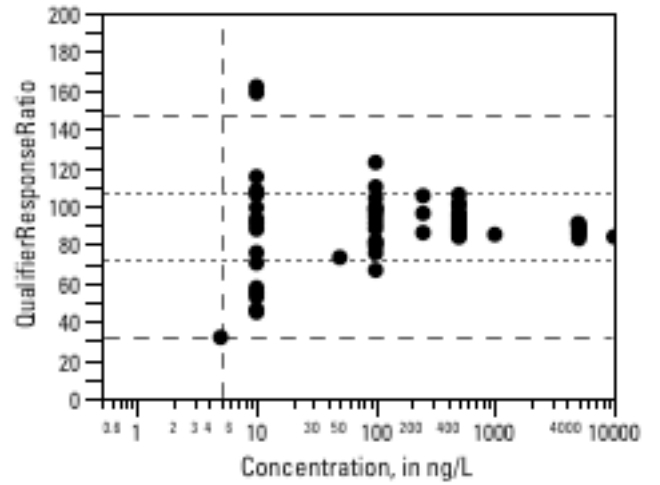
Hydroxysimazine 68624 A



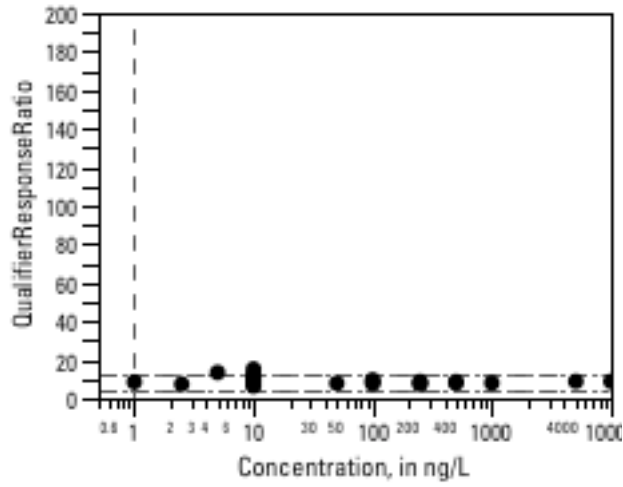
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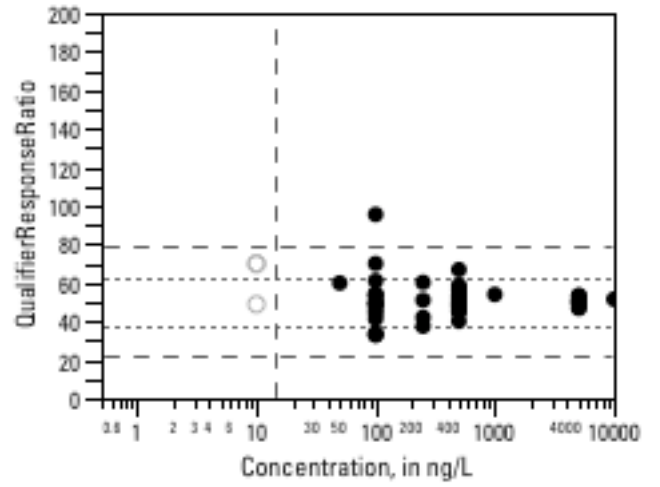
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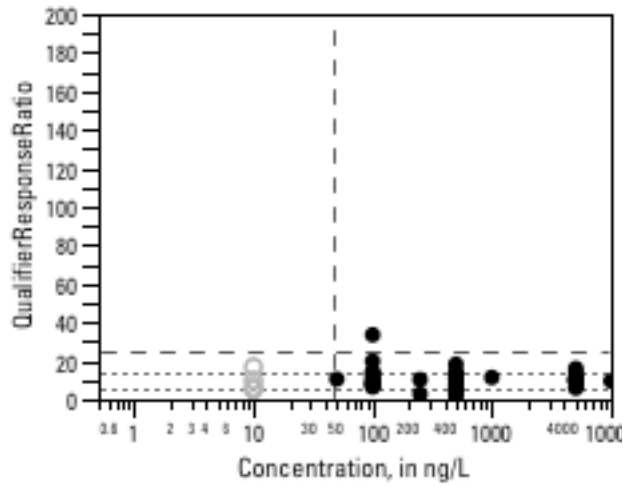
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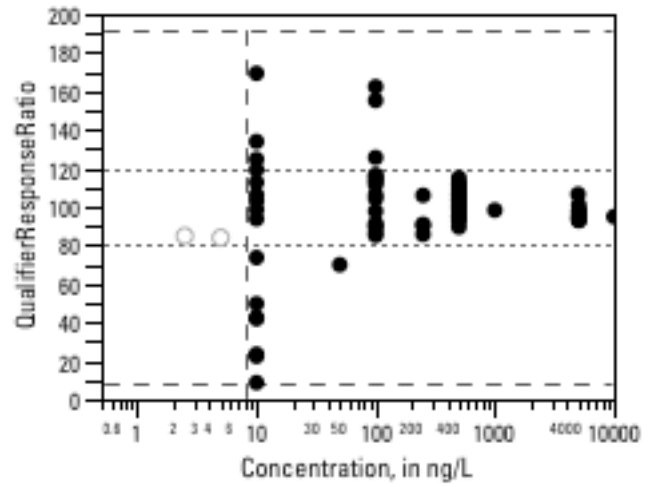
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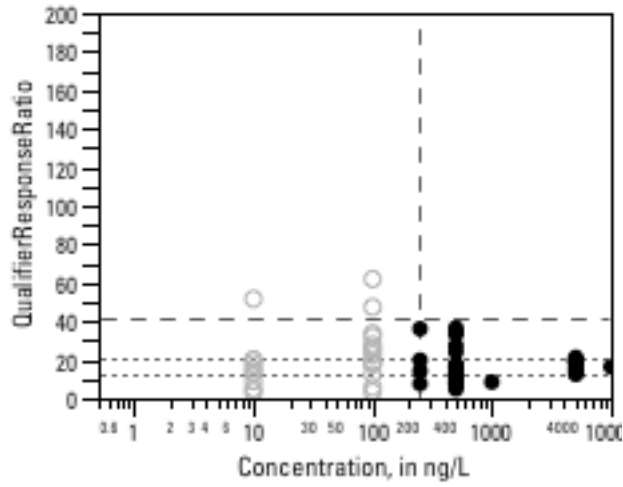
2-(1-hydroxyethyl)-6-methylaniline (HEMA) 68611 E



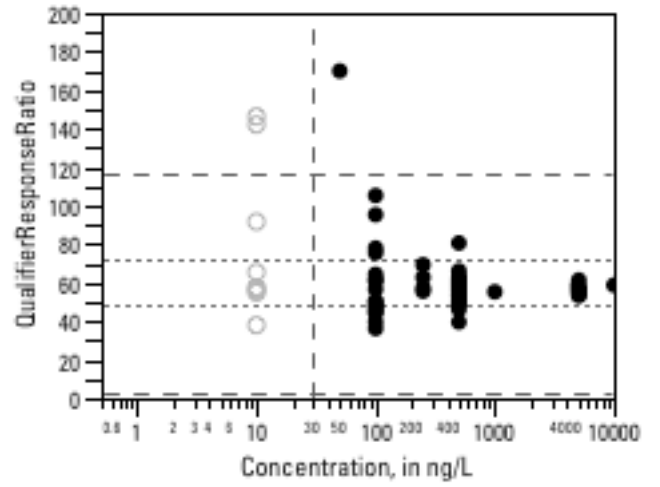
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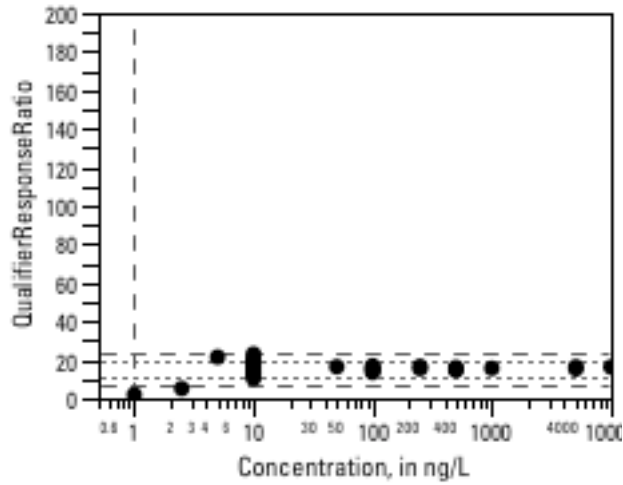
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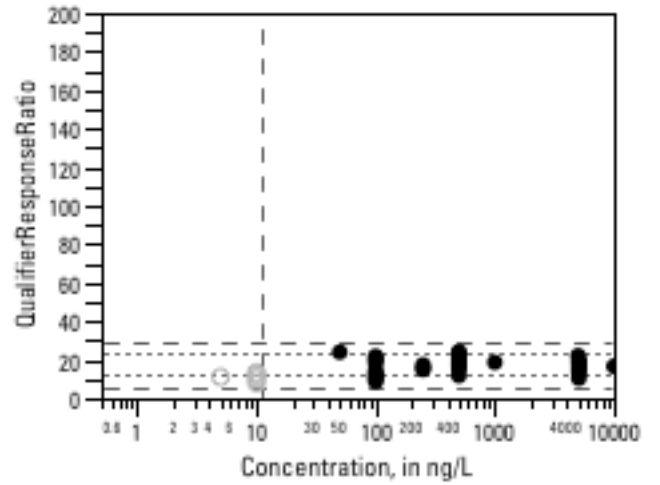
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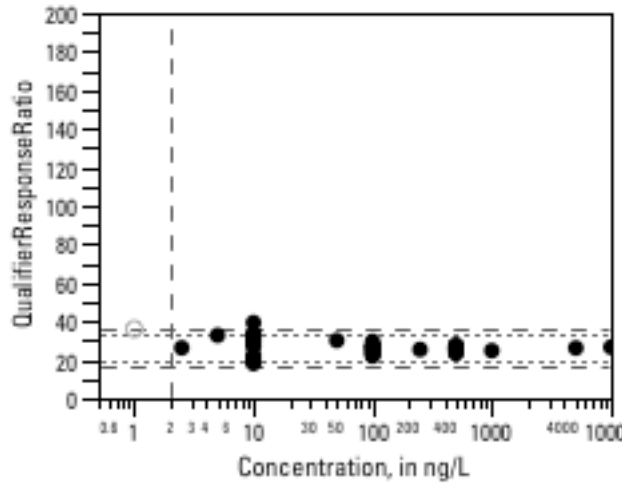
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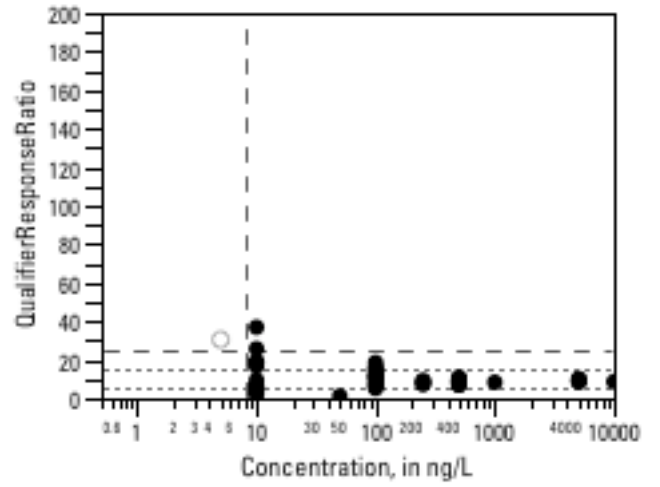
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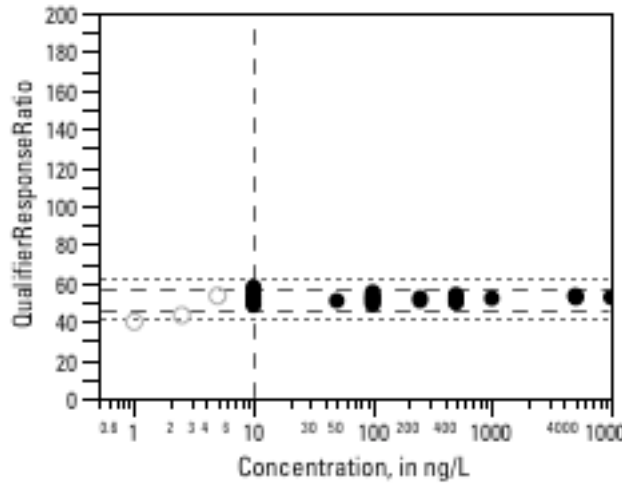
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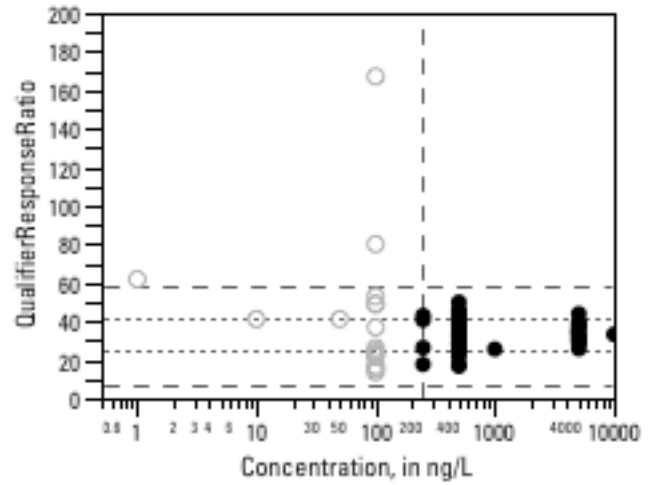
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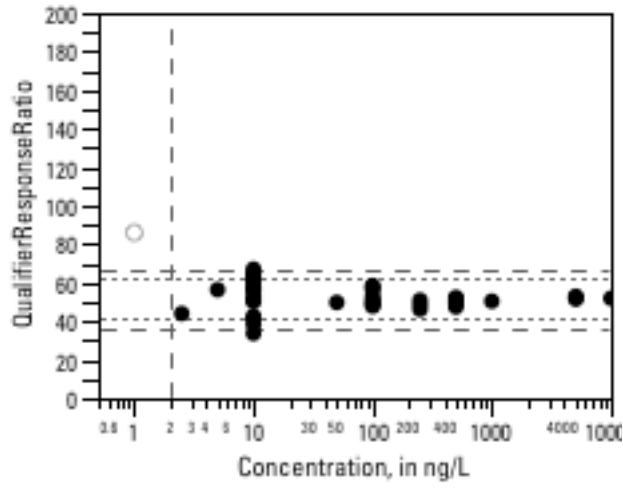
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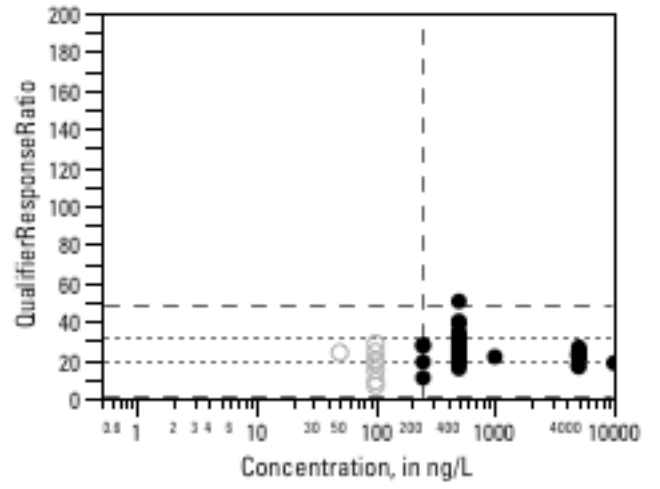
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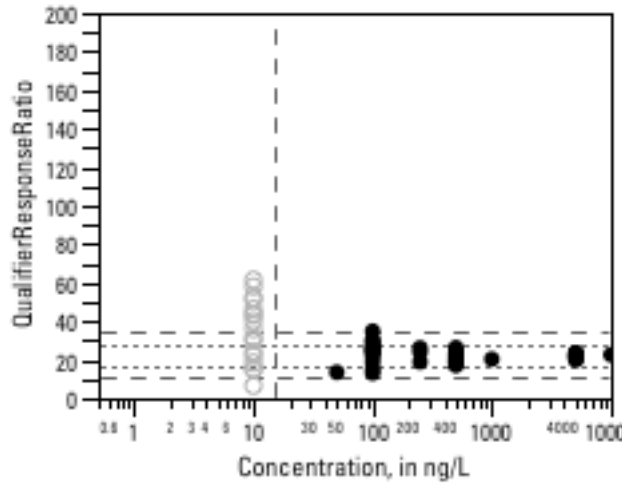
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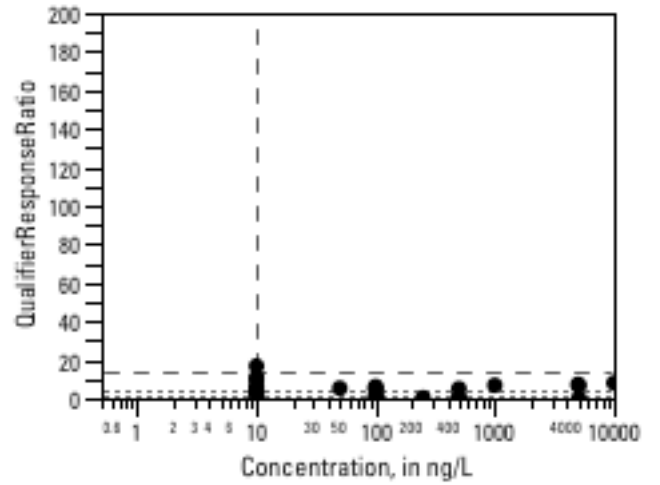
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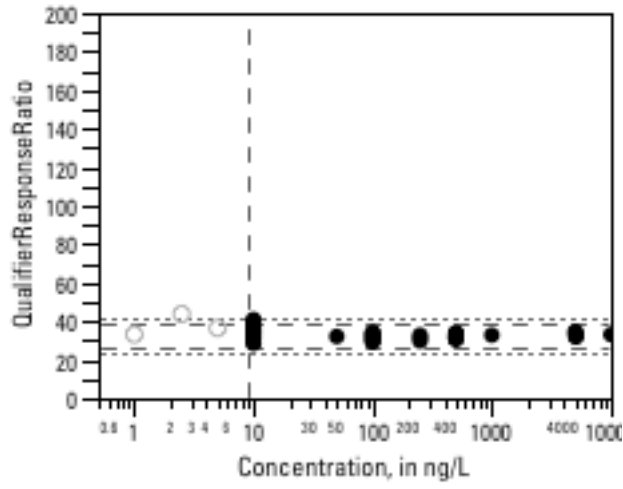
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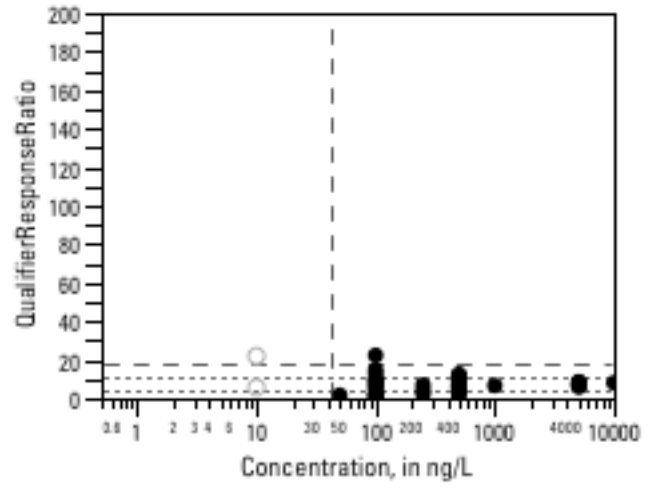
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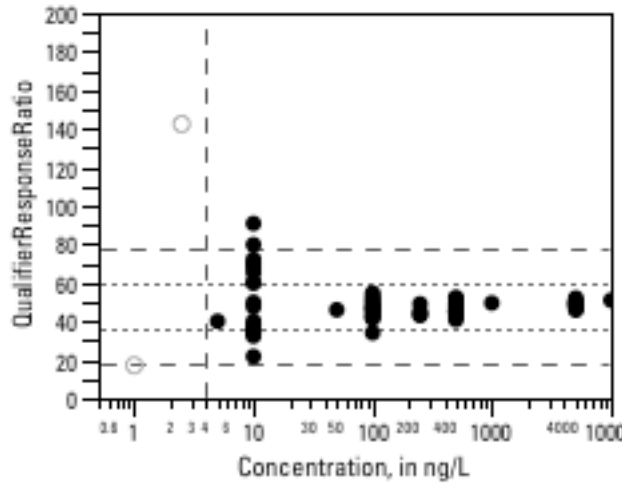
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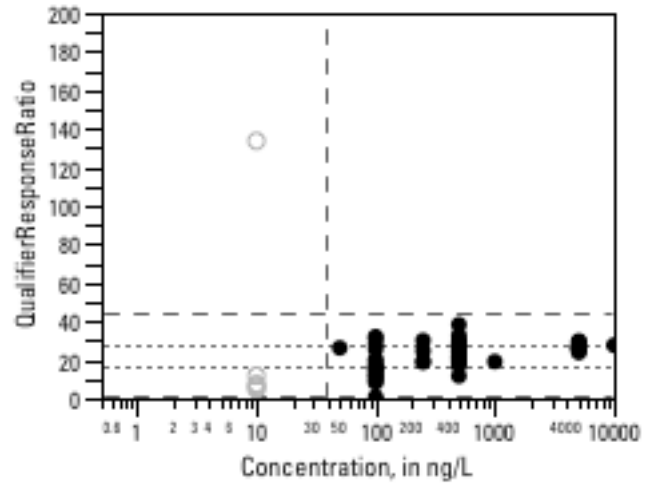
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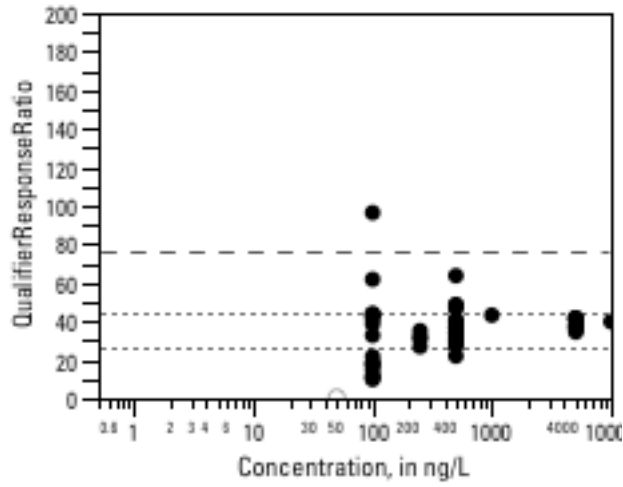
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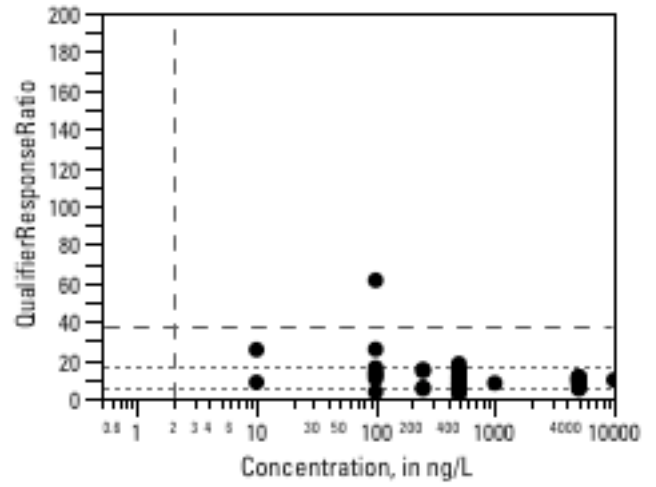
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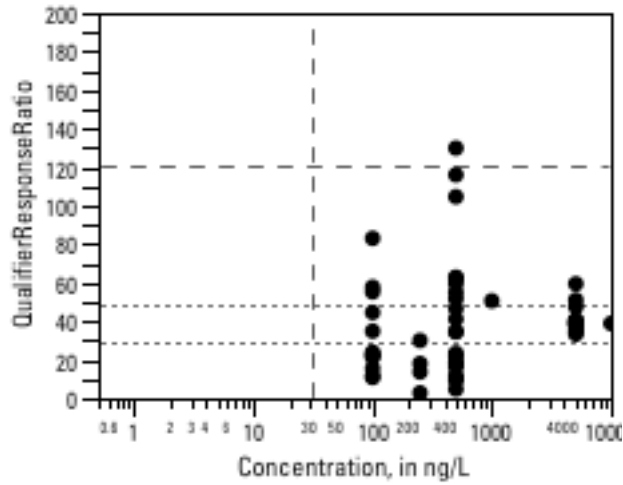
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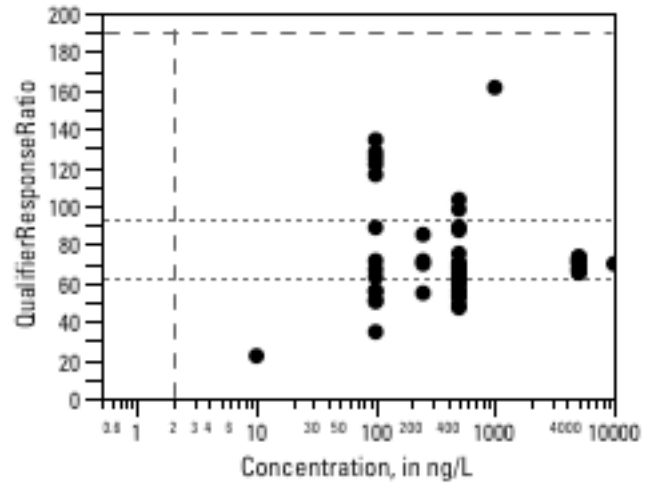
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Diketonitrile isoxaflutole 68578 9031

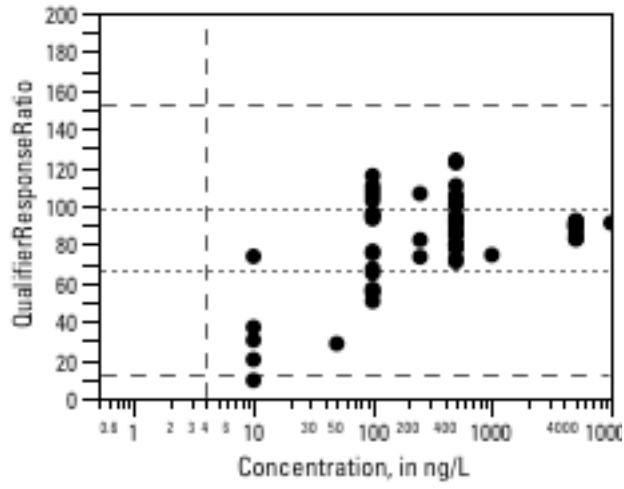


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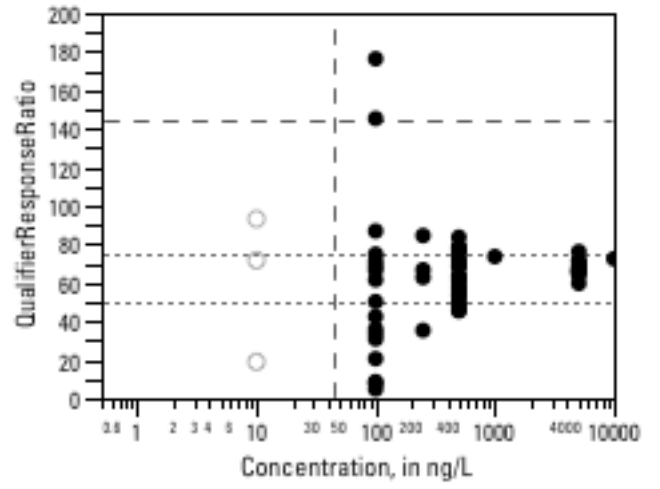




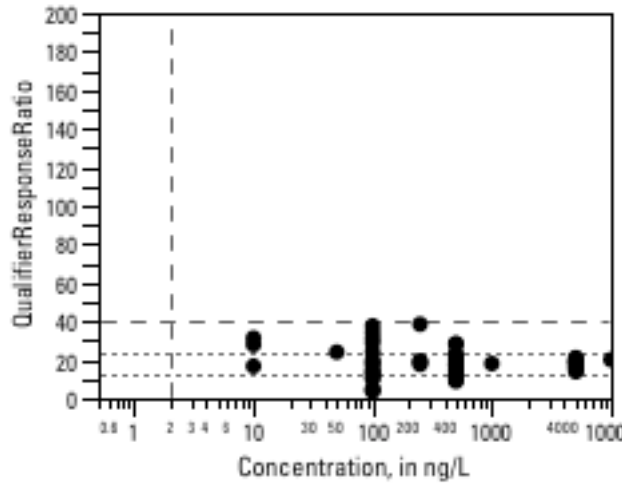
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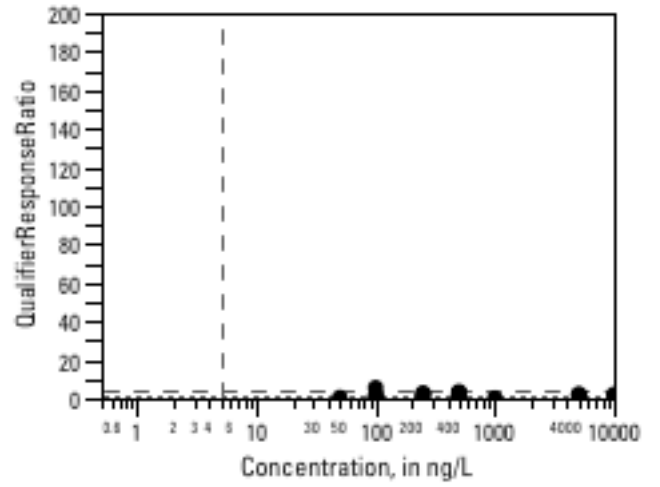
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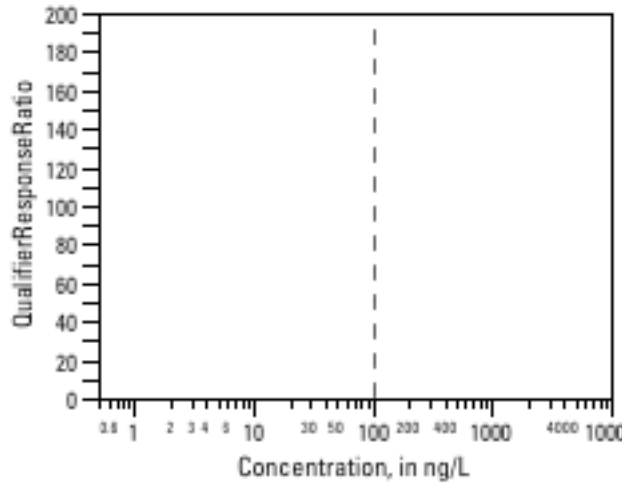
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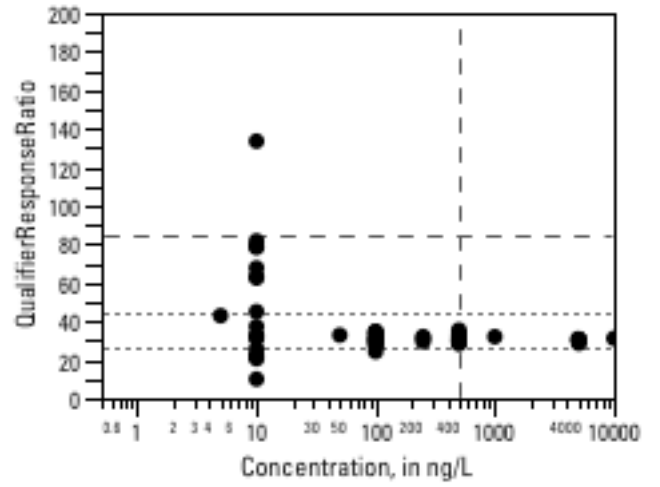
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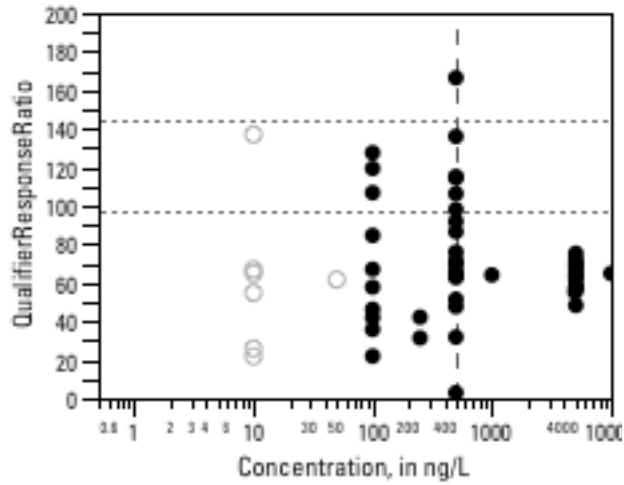
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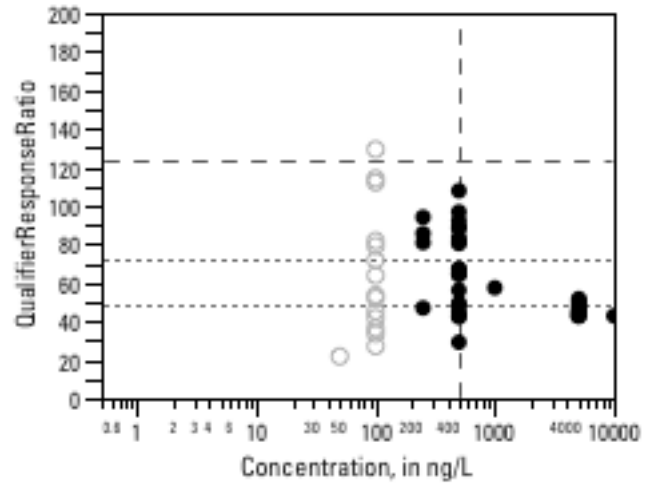
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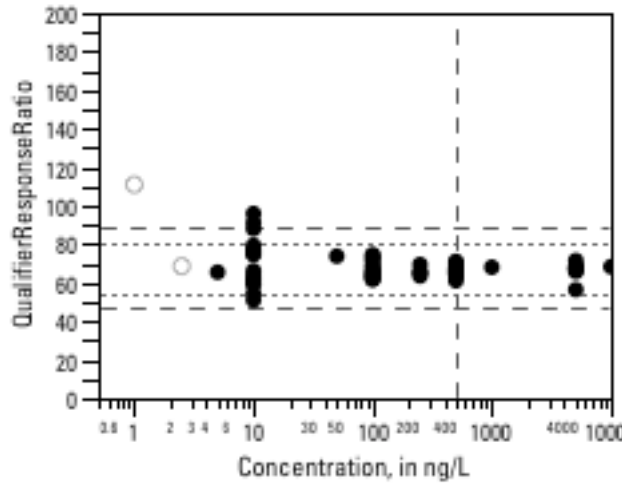
3-Ketocarbofuran 68509 D



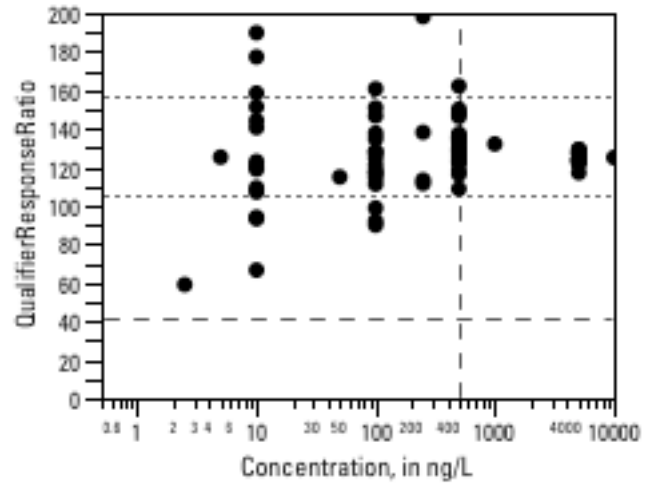
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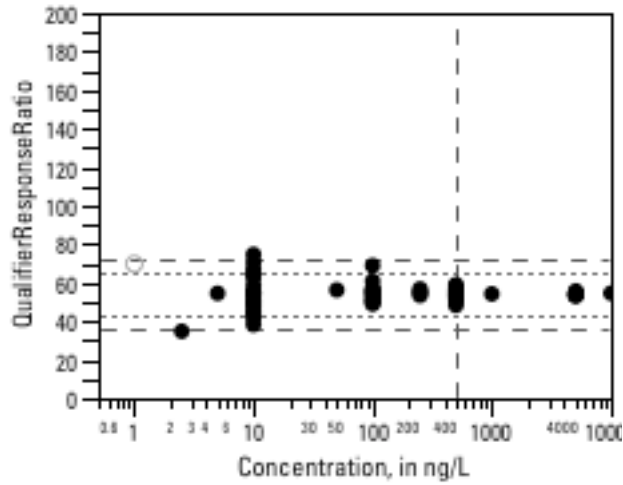
Bifenazate 68540 D



Flumiclorac 68607 D



Bifenazate diazene 68541 D



Phosmet oxon 68674 D

