

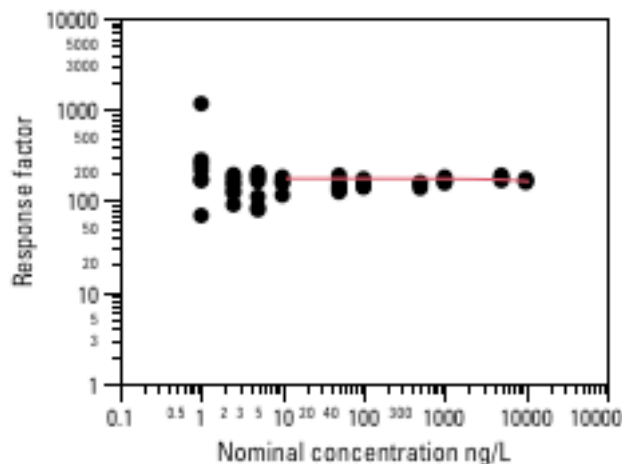
## Support Figure S3. Response Factors as a Function of Concentration

Graphs of response factor (peak area/nominal concentration) and parameters of linear fit of response factor by nominal concentration for direct aqueous-injection liquid chromatography-tandem mass spectrometry (LC-MS/MS) method positive electrospray ionization (ESI+) mode analytes. The response factors (peak area divided by nominal concentration) were measured as a function of concentration to evaluate any significant change in response as a function of concentration. In addition, the response factors provide an indication of the magnitude of the signal in electrospray ionization that reflects detection levels, with higher response factors leading to lower detection levels. Response factors were calculated from 10 calibration standards (1, 2.5, 5, 10, 50, 100, 500, 1,000, 5,000, and 10,000 nanograms per liter [ng/L]) analyzed in 7 batches. A linear fit (red line) was applied to the response factors as a function of concentration. Response factors were excluded from summaries if the calibration standard was excluded from the calibration curve because qualifier ion response did not meet identification criteria (shown as open circles in the figures).

# Bivariate Fit of Response Factor by Nominal Concentration (ng/L)— Positive ESI Analytes

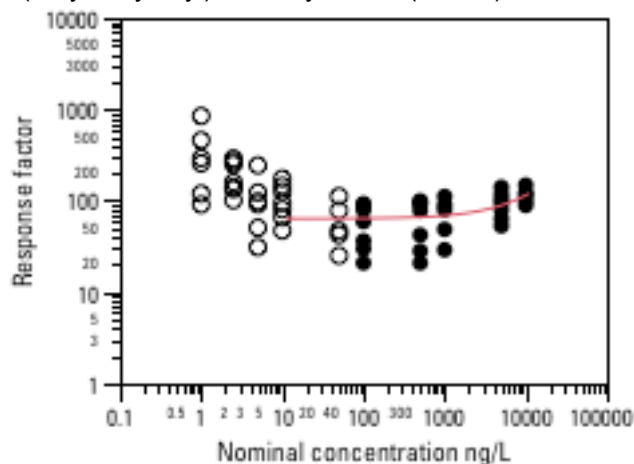
## Acetanilide and Amide

Acetochlor



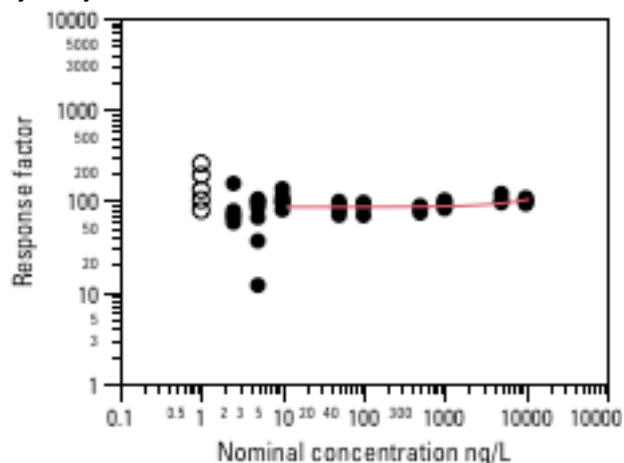
Linear Fit: Response factor =  $175.11889 - 0.0011246 \cdot \text{Nominal concentration ng/L}$

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



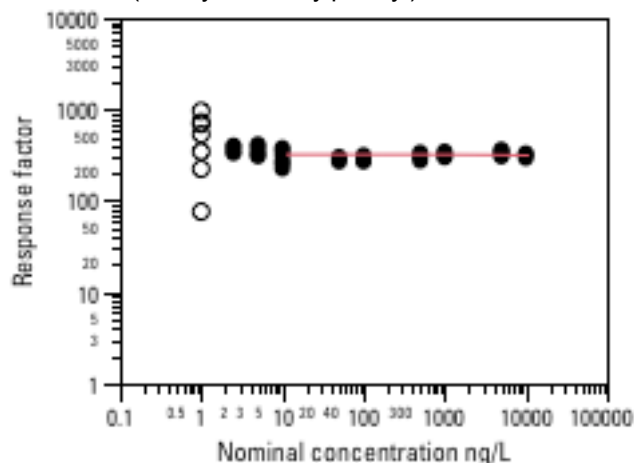
Linear fit: Response factor =  $63.75335 + 0.0051022 \cdot \text{Nominal concentration ng/L}$

Hydroxyacetochlor



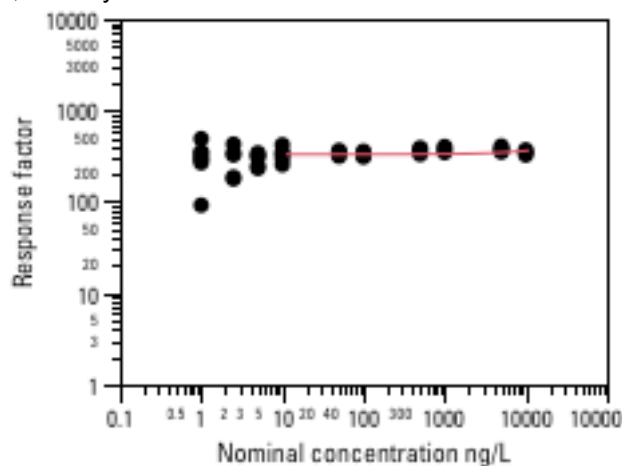
Linear fit: Response factor =  $85.410483 + 0.001661 \cdot \text{Nominal concentration ng/L}$

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



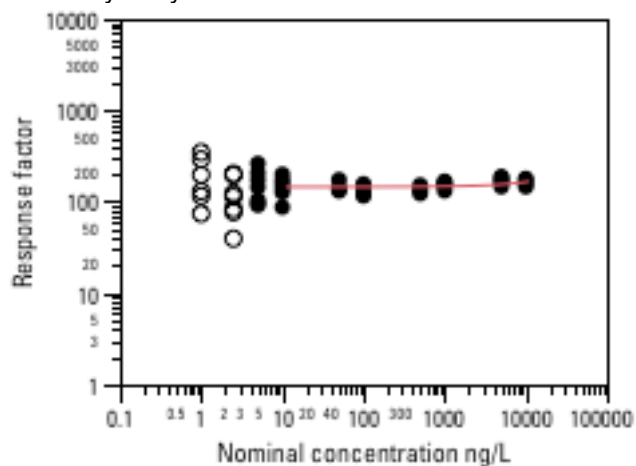
Linear fit: Response factor =  $321.08545 - 0.0007504 \cdot \text{Nominal concentration ng/L}$

Parent=Alachlor, Compound Name=2-Chloro-2,6-diethylacetanilide



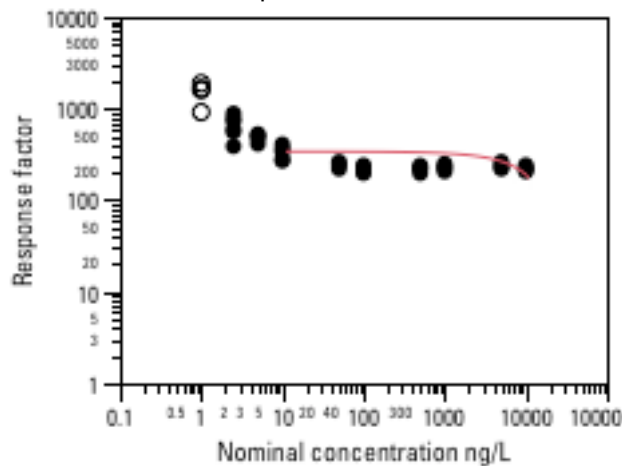
Linear fit: Response factor =  $329.61808 + 0.0032428 \cdot \text{Nominal concentration ng/L}$

Parent=Alachlor, Compound Name=Hydroxyalachlor



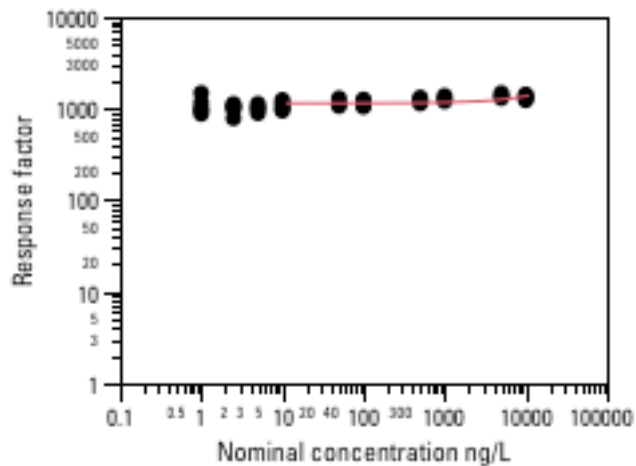
Linear fit: Response factor =  $145.38982 + 0.0019495 \cdot \text{Nominal concentration ng/L}$

Parent=Alachlor, Compound Name=Alachlor



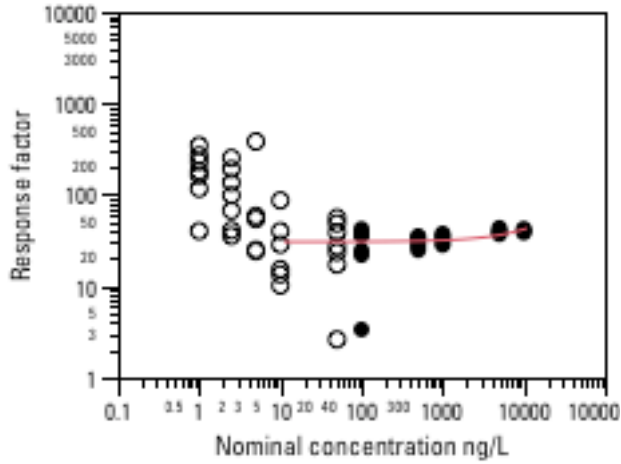
Linear fit: Response factor =  $340.3435 - 0.0149734 \cdot \text{Nominal concentration ng/L}$

Parent=Dimethenamid, Compound Name=Dimethenamid



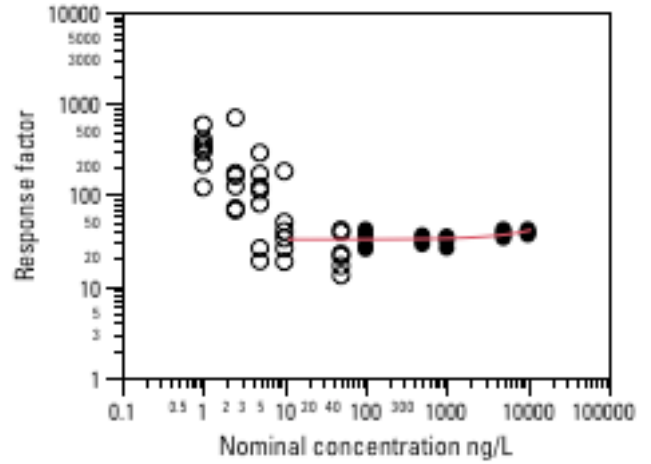
Linear fit: Response factor =  $1144.8159 + 0.0224746 \cdot \text{Nominal concentration ng/L}$

Parent=Dimethenamid, Compound Name=Dimethenamid OA



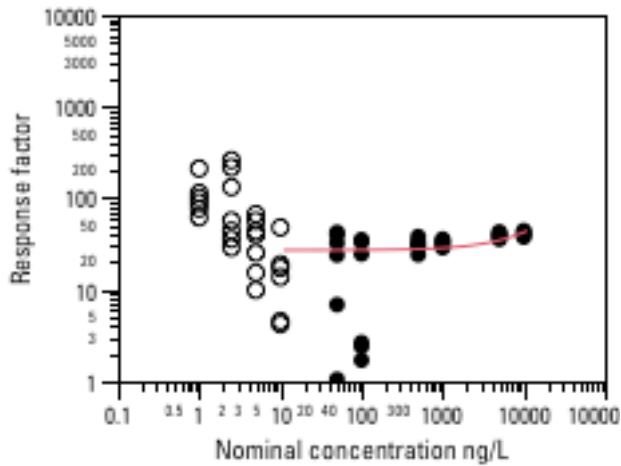
Linear fit: Response factor = 30.625482 + 0.0011311\*Nominal concentration ng/L  
(Analyte was removed from ESI+ mode)

Parent=Dimethenamid, Compound Name=Dimethenamid SAA



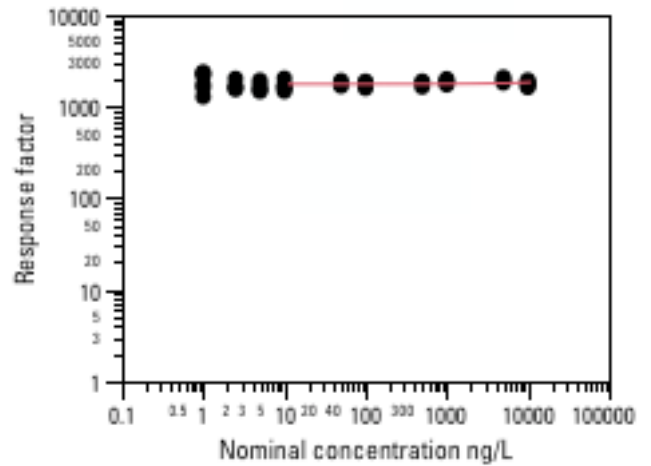
Linear fit: Response factor = 32.494801 + 0.0007849\*Nominal concentration ng/L

Parent=Dimethenamid, Compound Name=Dimethenamid SA



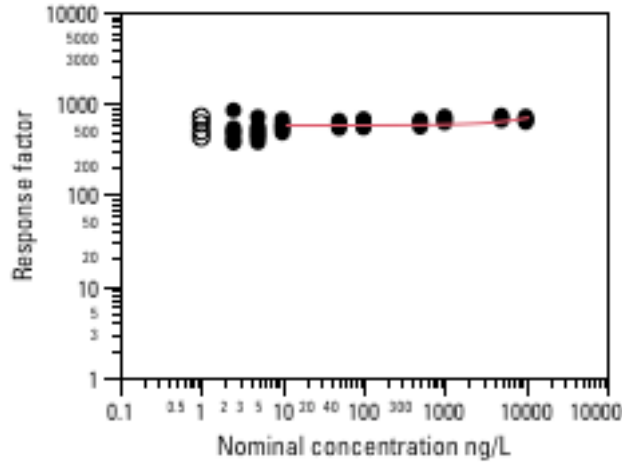
Linear fit: Response factor = 27.036967 + 0.0015434\*Nominal concentration ng/L  
(Analyte was removed from ESI+ mode)

Parent=metolachlor, Compound Name=Hydroxymetolachlor



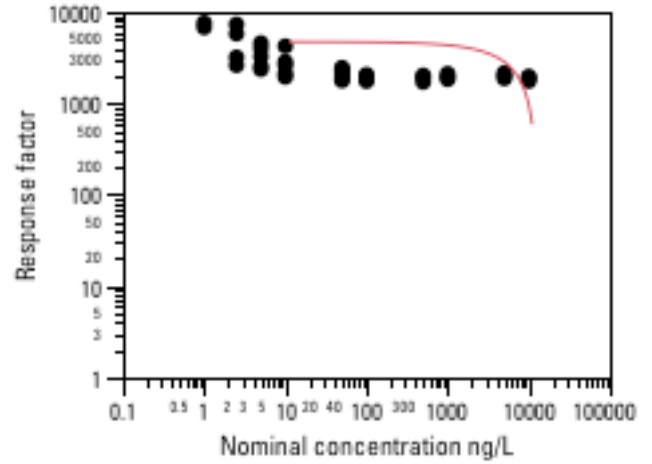
Linear fit: Response factor = 1760.9502 + 0.0080488\*Nominal concentration ng/L

Parent=Metolachlor, Compound Name=2-(2-ethyl-6-methyl-phenyl)aminopropan-1-ol



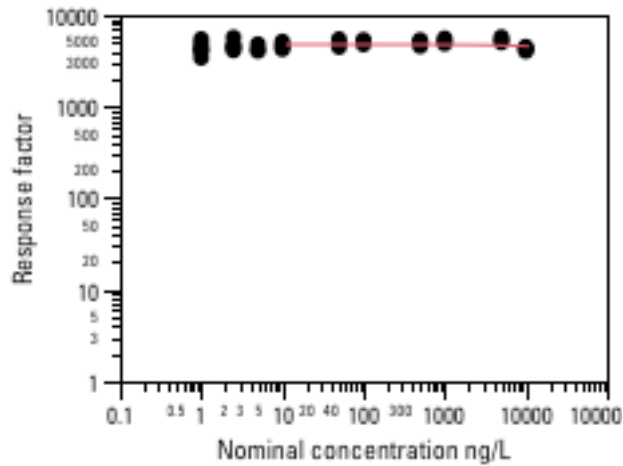
Linear fit: Response factor =  $573.52834 + 0.0114288 \cdot \text{Nominal concentration ng/L}$

Parent=Metolachlor, Compound Name=Metolachlor



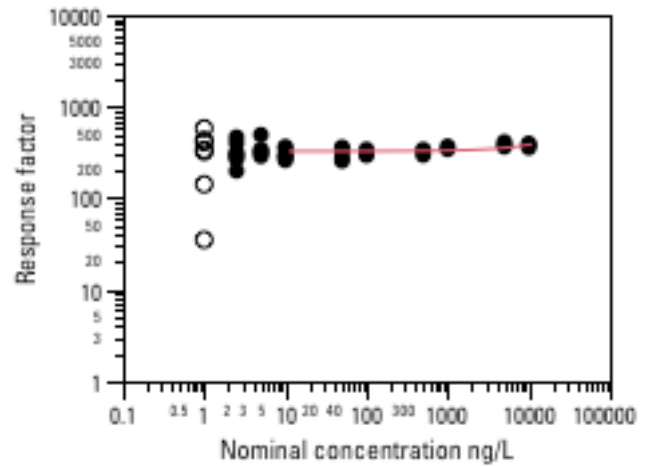
Linear fit: Response factor =  $4717.3866 - 0.3755099 \cdot \text{Nominal concentration ng/L}$

Parent=Metolachlor, Compound Name=Dechlorometolachlor



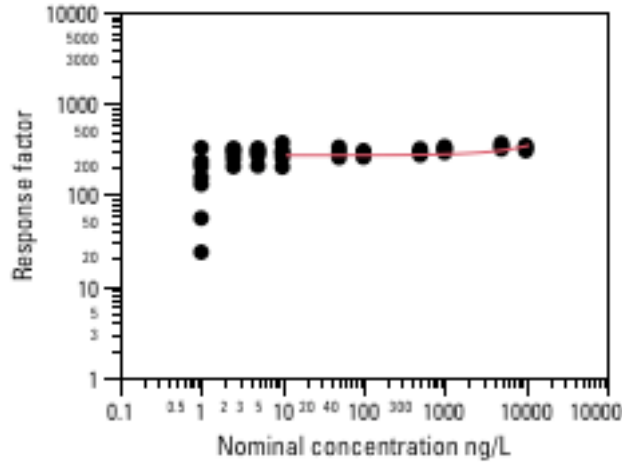
Linear fit: Response factor =  $4771.0649 - 0.0207227 \cdot \text{Nominal concentration ng/L}$

Parent=Metolachlor, Compound Name=Metolachlor hydroxy morpholinone



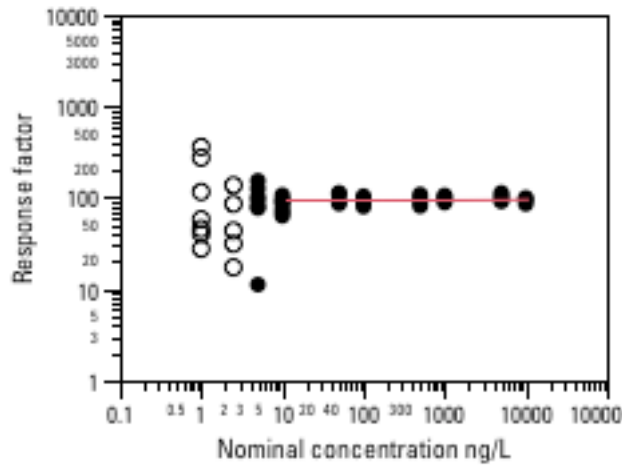
Linear fit: Response factor =  $325.75785 + 0.0057465 \cdot \text{Nominal concentration ng/L}$

Parent=Pronamide, Compound Name=Pronamide



Linear fit: Response factor = 270.12413 + 0.0070211\*Nominal concentration ng/L

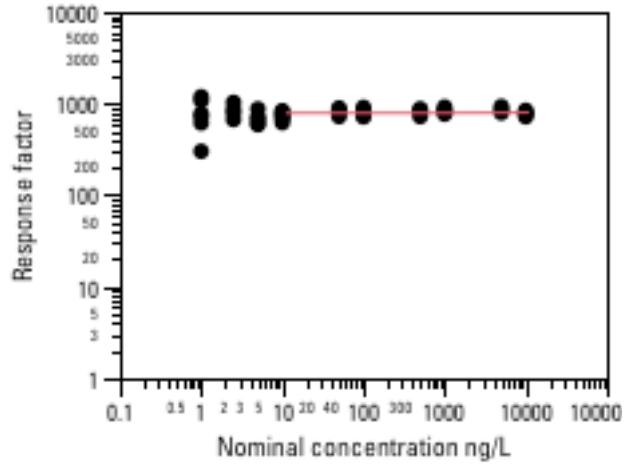
Parent=Propanil, Compound Name=Propanil



Linear fit: Response factor = 93.583395 + 0.0001751\*Nominal concentration ng/L

## Acids

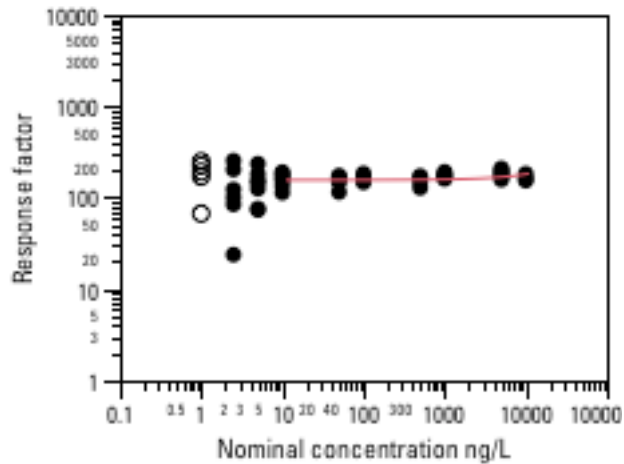
Parent=Bentazone, Compound Name=2-Amino-N-isopropylbenzamide



Linear fit: Response factor =  $787.81281 + 0.0010169 \cdot \text{Nominal concentration ng/L}$

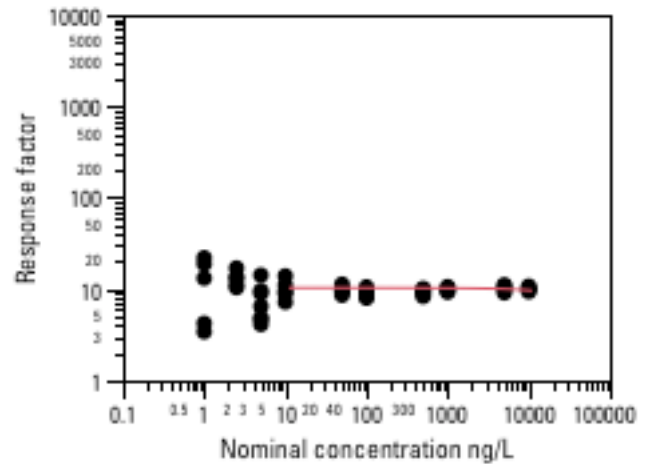
## Carbamate and Thiocarbamate

Parent=Aldicarb, Compound Name=Aldicarb



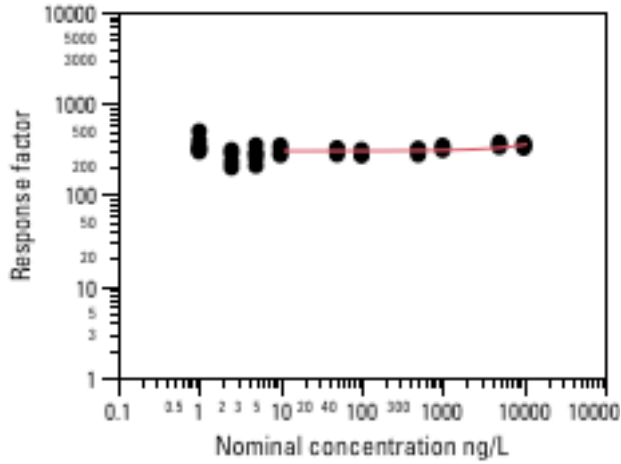
Linear fit: Response factor =  $156.11089 + 0.0024964 \cdot \text{Nominal concentration ng/L}$

Parent=Aldicarb, Compound Name=Aldicarb sulfone



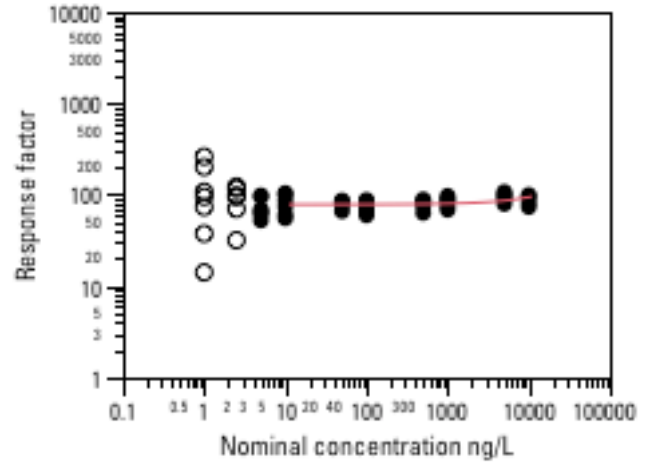
Linear fit: Response factor =  $10.35823 - 6.3275e-5 \cdot \text{Nominal concentration ng/L}$

Parent=Aldicarb, Compound Name=Aldicarb sulfoxide



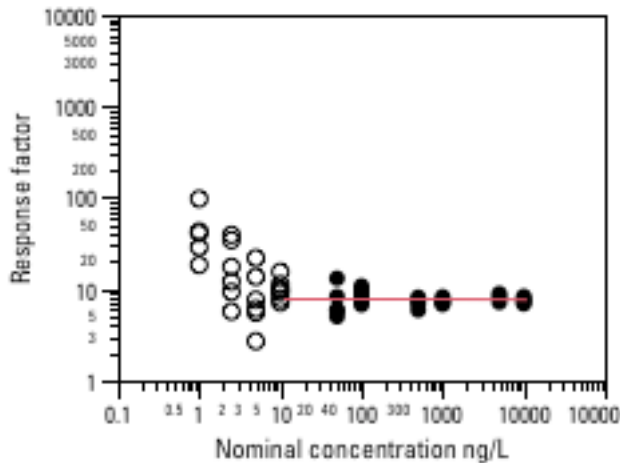
Linear fit: Response factor =  $301.7318 + 0.0050252 \cdot \text{Nominal concentration ng/L}$

Parent=Butylate, Compound Name=Butylate



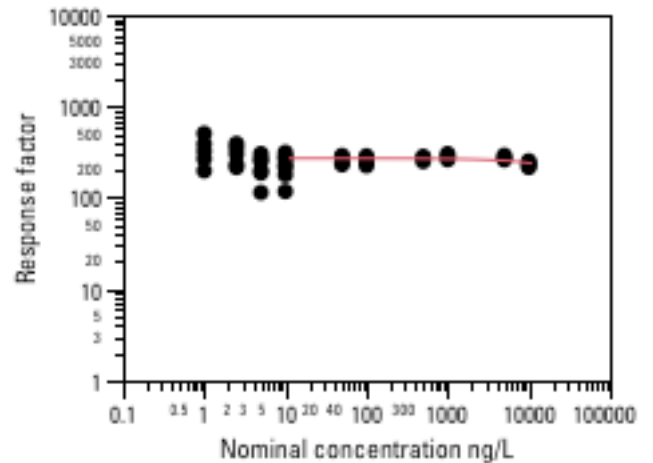
Linear fit: Response factor =  $78.373292 + 0.001594 \cdot \text{Nominal concentration ng/L}$

Parent=Asulam, Compound Name=Asulam



Linear fit: Response factor =  $7.7662285 - 1.0451e-5 \cdot \text{Nominal concentration ng/L}$

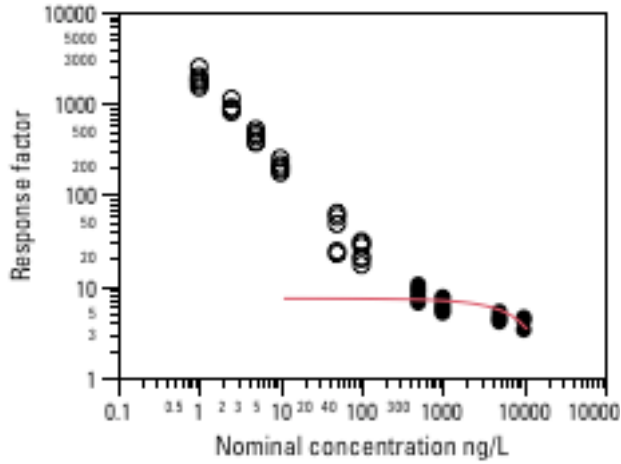
Parent=Carbaryl, Compound Name=Carbaryl



Linear fit: Response factor =  $269.71411 - 0.0029101 \cdot \text{Nominal concentration ng/L}$

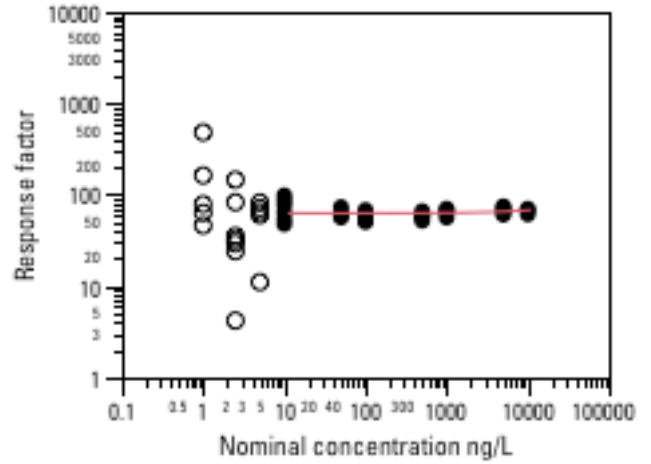


Parent=carbofuran, Compound Name=7-Hydroxycarbofuran



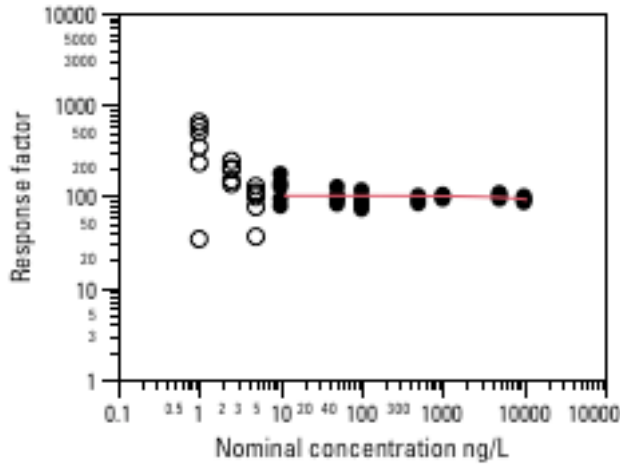
Linear fit: Response factor =  $7.3133974 - 0.0003613 \cdot \text{Nominal concentration ng/L}$

Parent=Carbofuran, Compound Name=3-Ketocarbofuran



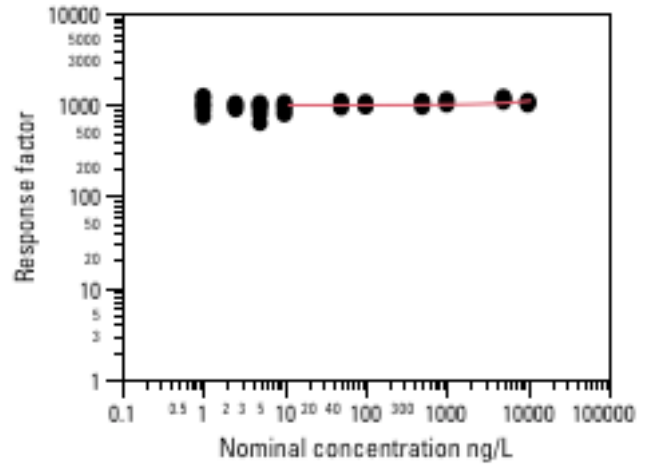
Linear fit: Response factor =  $62.996593 + 0.0004848 \cdot \text{Nominal concentration ng/L}$

Parent=Carbofuran, Compound Name=3-Hydroxycarbofuran



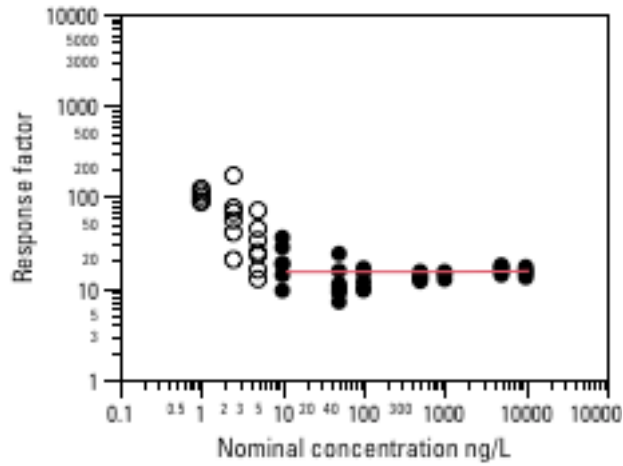
Linear fit: Response factor =  $101.13847 - 0.0008513 \cdot \text{Nominal concentration ng/L}$

Parent=Carbofuran, Compound Name=Carbofuran



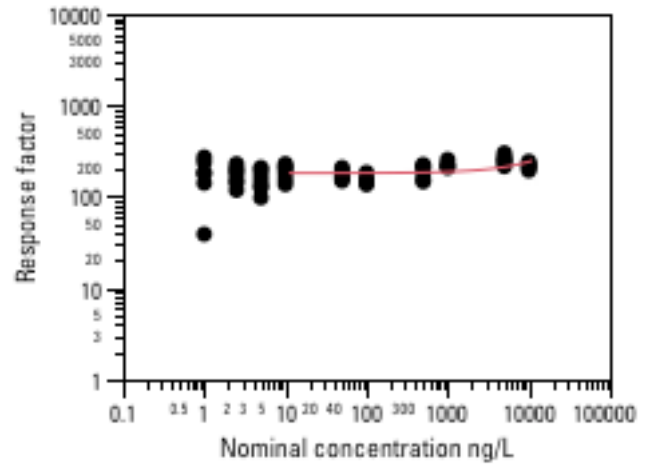
Linear fit: Response factor =  $986.97033 + 0.0106411 \cdot \text{Nominal concentration ng/L}$

Parent=EPTC, Compound Name=EPTC



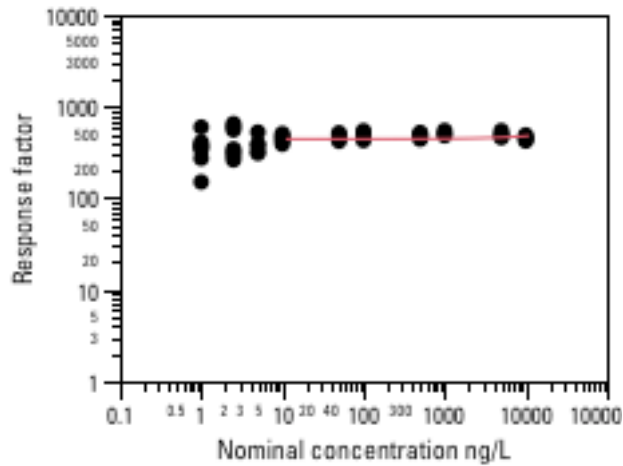
Linear fit: Response factor = 15.05528 + 3.4652e-5\*Nominal concentration ng/L

Parent=Formetanate, Compound Name=Formetanate



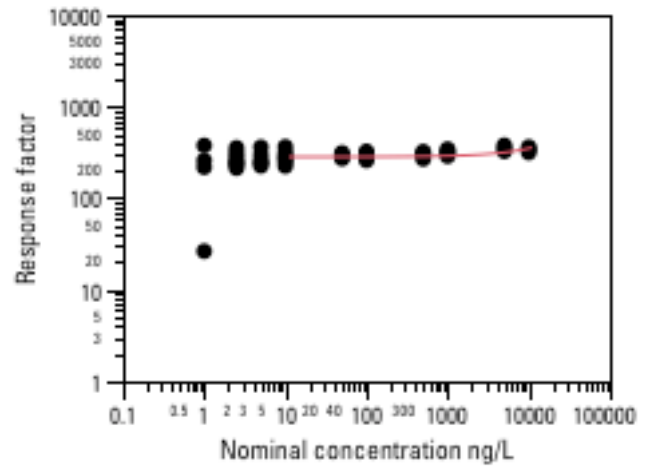
Linear fit: Response factor = 181.45569 + 0.006301\*Nominal concentration ng/L

Parent=EPTC, Compound Name=EPTC  
R248722



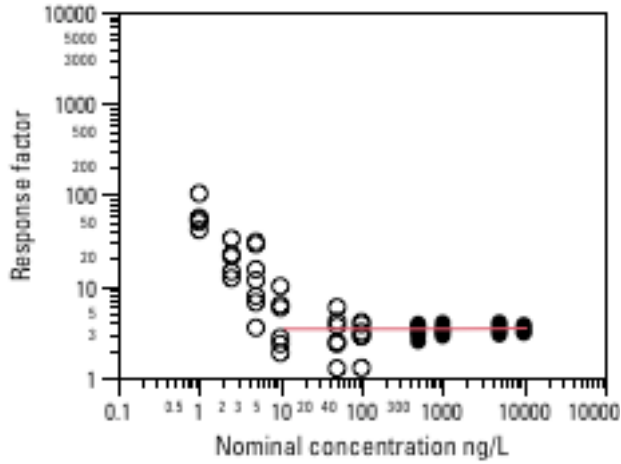
Linear fit: Response factor = 443.39826 + 0.0034164\*Nominal concentration ng/L

Parent=Methomyl, Compound Name=Methomyl



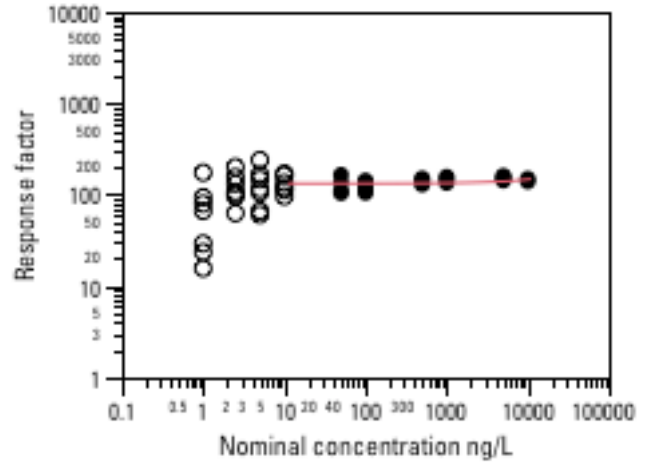
Linear fit: Response factor = 282.6815 + 0.006675\*Nominal concentration ng/L

Parent=Methomyl, Compound Name=Methomyl oxime



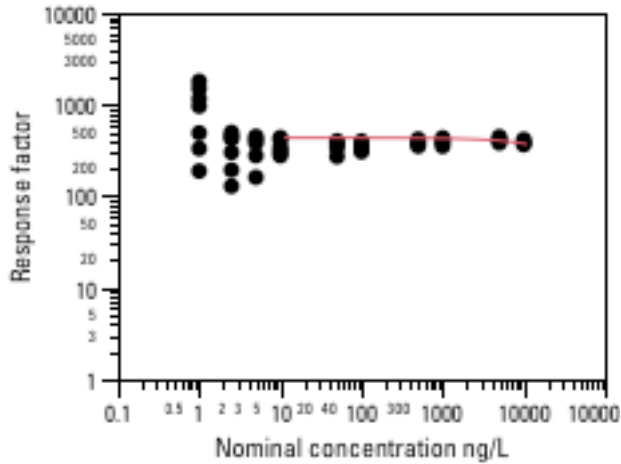
Linear fit: Response factor =  $3.3980877 + 6.2305e-6 \cdot \text{Nominal concentration ng/L}$

Parent=molinate, Compound Name=Carboxy molinate



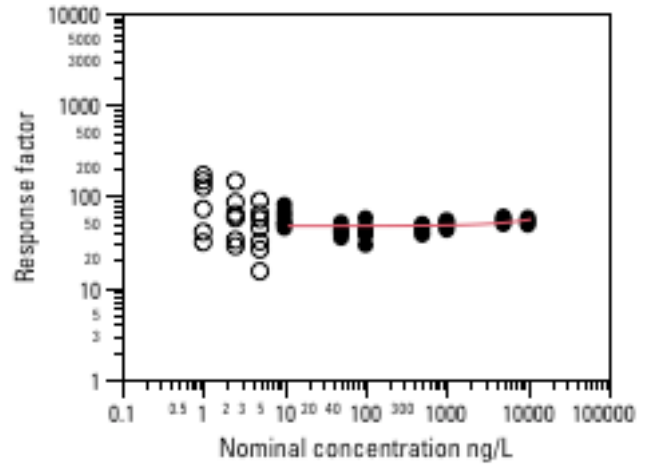
Linear fit: Response factor =  $133.05276 + 0.0014254 \cdot \text{Nominal concentration ng/L}$

Parent=molinate, Compound Name=4-Hydroxy molinate



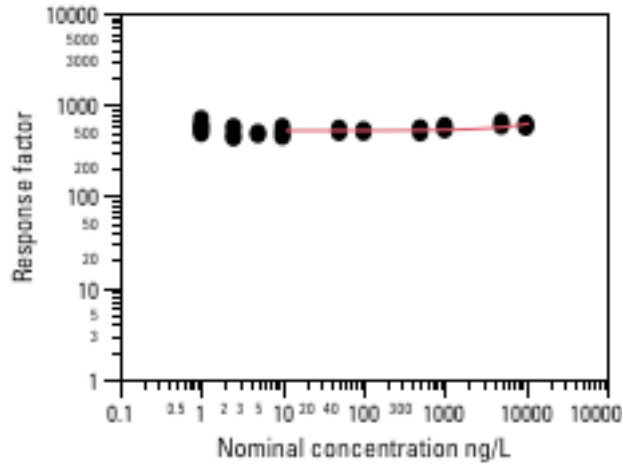
Linear fit: Response factor =  $433.55804 - 0.0058578 \cdot \text{Nominal concentration ng/L}$

Parent=Molinate, Compound Name=Molinate



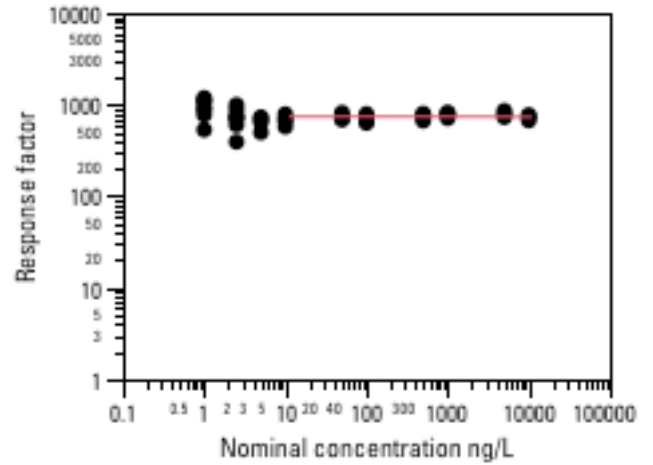
Linear fit: Response factor =  $47.296831 + 0.0007824 \cdot \text{Nominal concentration ng/L}$

Parent=Oxamyl, Compound Name=Oxamyl



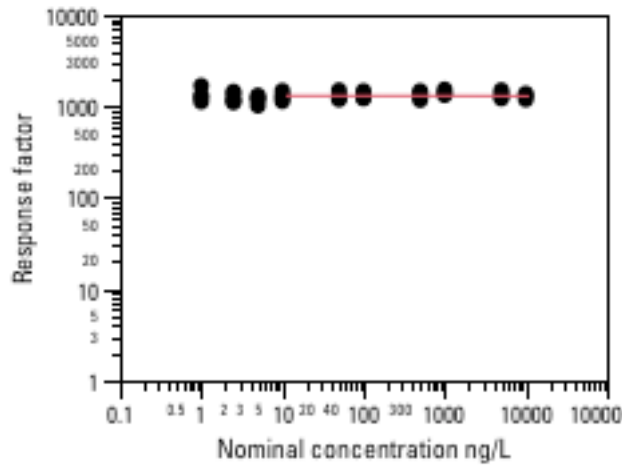
Linear fit: Response factor =  $519.52085 + 0.0092811 \cdot \text{Nominal concentration ng/L}$

Parent=Propoxur, Compound Name=Propoxur



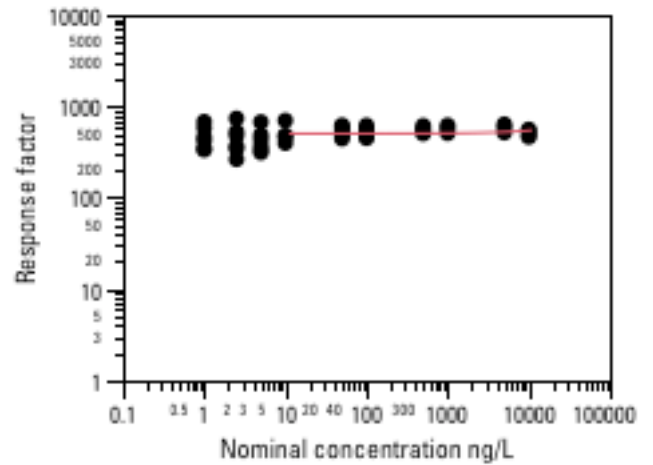
Linear fit: Response factor =  $738.47839 - 0.0005676 \cdot \text{Nominal concentration ng/L}$

Parent=Oxamyl, Compound Name=Oxamyl oxime



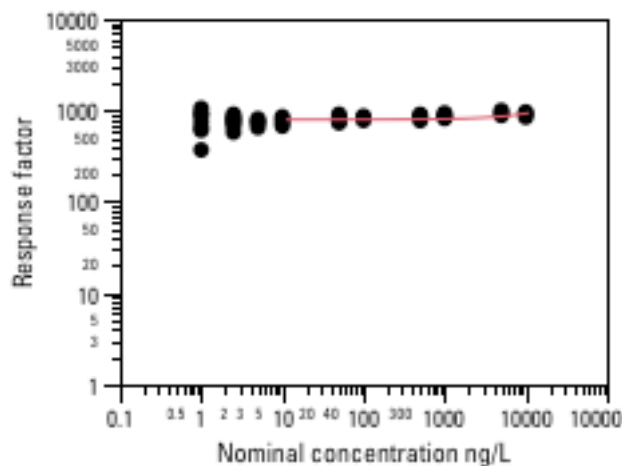
Linear fit: Response factor =  $1307.2171 - 0.000909 \cdot \text{Nominal concentration ng/L}$

Parent=thiobencarb, Compound Name=4-Chlorobenzylmethyl sulfoxide



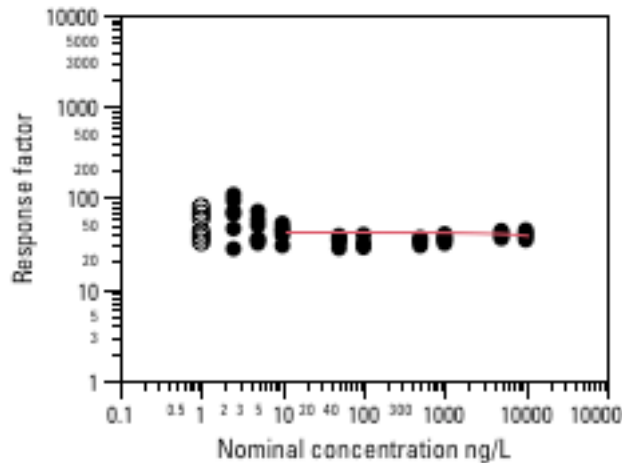
Linear fit: Response factor =  $504.08858 + 0.0040471 \cdot \text{Nominal concentration ng/L}$

Parent=Thiobencarb, Compound Name=Thiobencarb



Linear fit: Response factor = 792.31957 + 0.0133893\*Nominal concentration ng/L

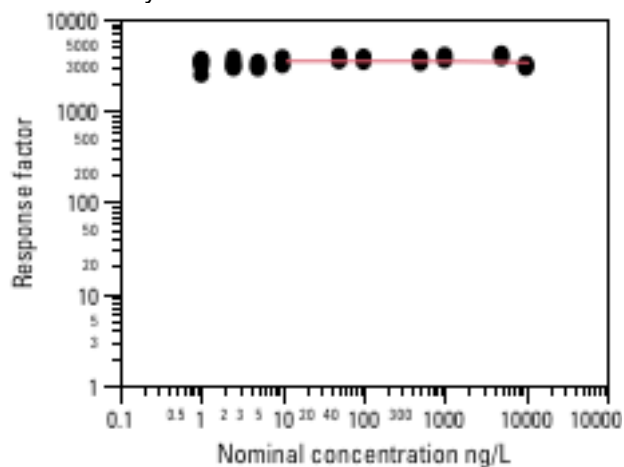
Parent=Triallate, Compound Name=Triallate



Linear fit: Response factor = 41.675711 - 0.000321\*Nominal concentration ng/L

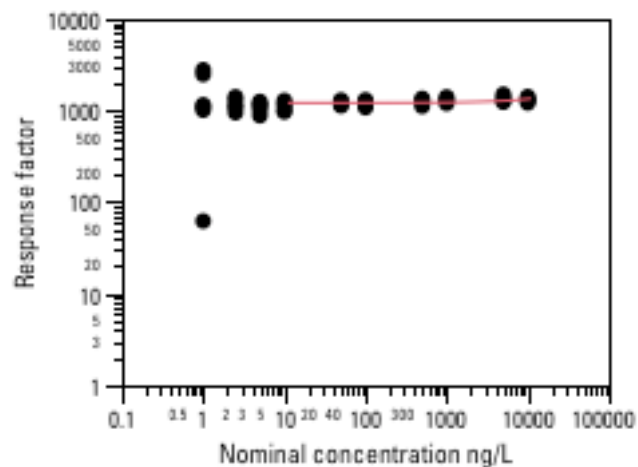
## Fungicides

Parent=Azoxystrobin, Compound Name=Azoxystrobin



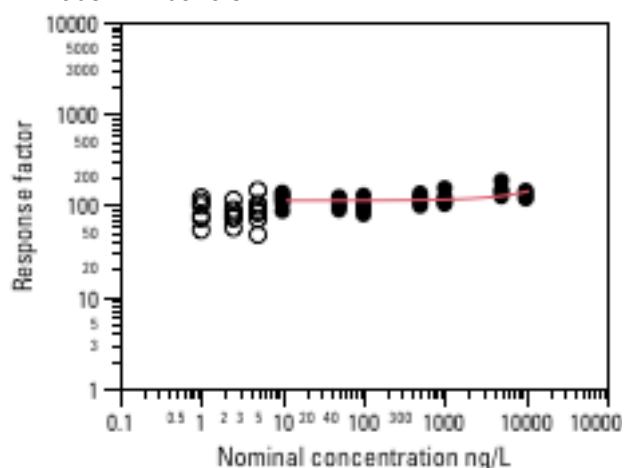
Linear fit: Response factor = 3457.0844 - 0.0115837\*Nominal concentration ng/L

Parent=benomyl, Compound Name=Carbendazim



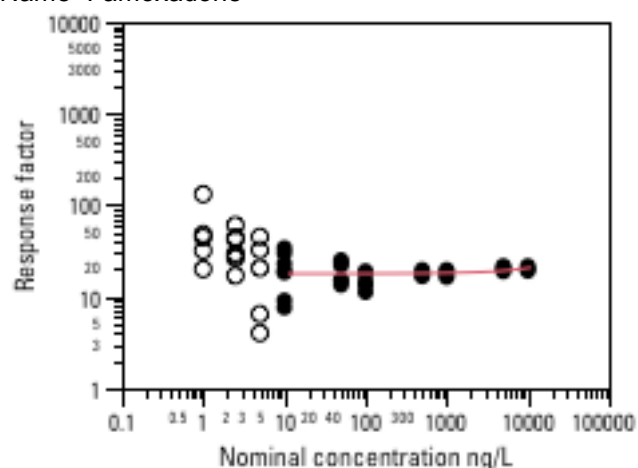
Linear fit: Response factor = 1216.3688 + 0.0123802\*Nominal concentration ng/L

Parent=benomyl, Compound Name=2-Aminobenzimidazole



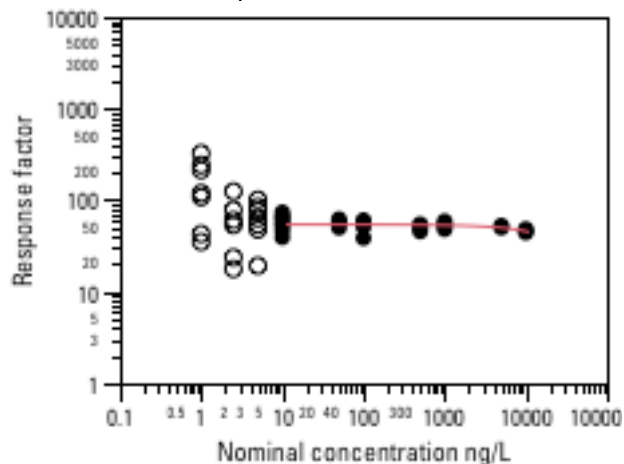
Linear fit: Response factor = 112.21774 + 0.0027549\*Nominal concentration ng/L

Parent=Famoxadone, Compound Name=Famoxadone



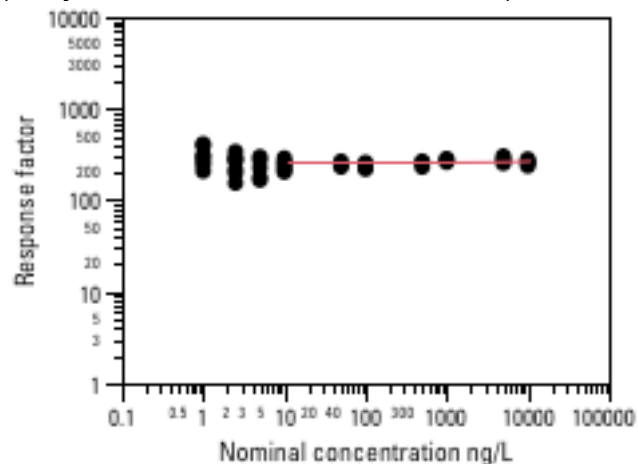
Linear fit: Response factor = 17.92188 + 0.0002688\*Nominal concentration ng/L  
(Analyte was removed from ESI+ mode)

Parent=Fentin, Compound Name=Fentin



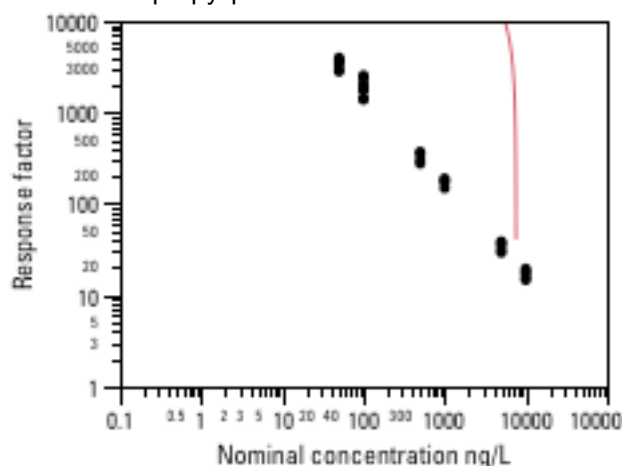
Linear fit: Response factor = 54.158027 - 0.0008253\*Nominal concentration ng/L

Parent=Kresoxim-methyl, Compound Name=Kresoxim-methyl  
(Analyte was removed from schedule 2437)



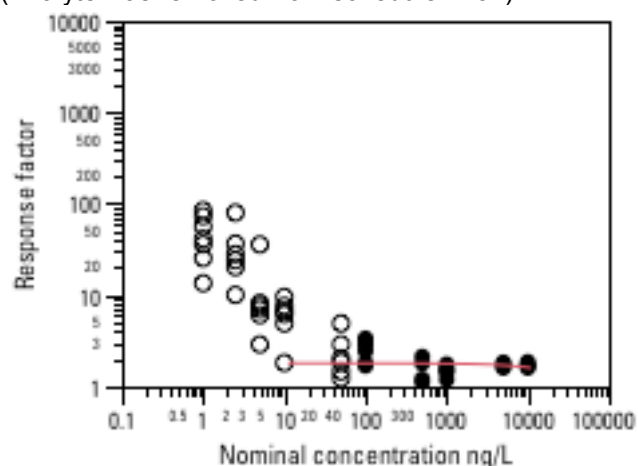
Linear fit: Response factor = 256.02706 + 0.00091\*Nominal concentration ng/L

Parent=Iprodione, Compound Name=Deisopropyliprodione



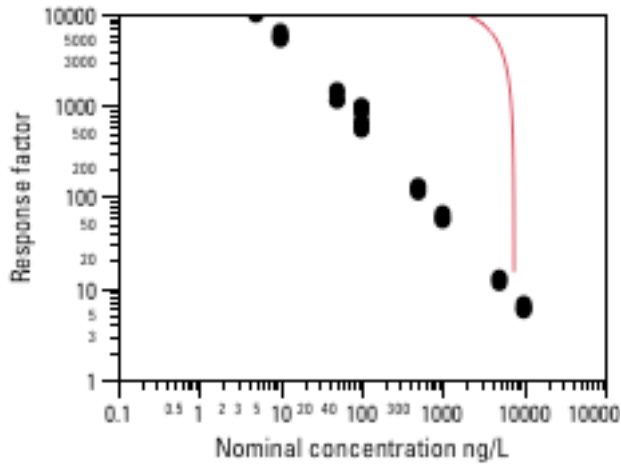
Linear fit: Response factor = 35912.684 - 4.7276726\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

Parent=Kresoxim-methyl, Compound Name=Kresoxim-methyl BF490-1  
(Analyte was removed from schedule 2437)



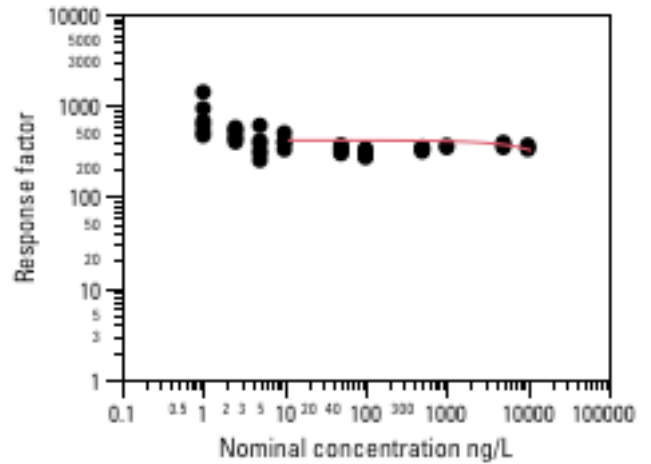
Linear fit: Response factor = 1.8026462 - 1.8422e-5\*Nominal concentration ng/L

Parent=Kresoxim-methyl, Compound Name=Kresoxim-methyl BF490-2



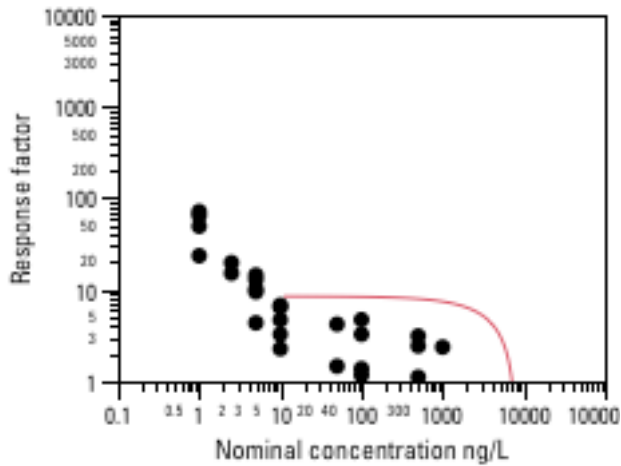
Linear fit: Response factor = 13246.455 - 1.7438268\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

Parent=Metalaxyl, Compound Name=Metalaxyl



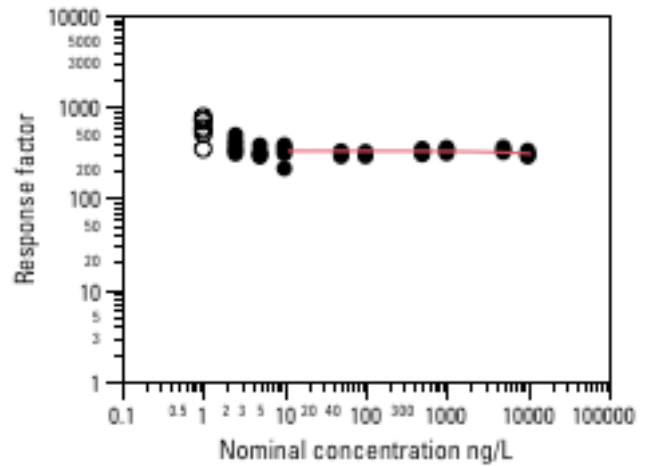
Linear fit: Response factor = 414.2962 - 0.0085309\*Nominal concentration ng/L

Parent=Kresoxim-methyl, Compound Name=Kresoxim-methyl BF490-9



Linear fit: Response factor = 8.4898675 - 0.0010474\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

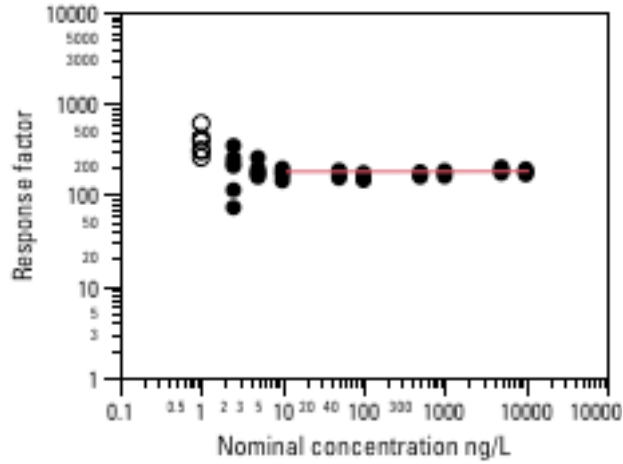
Parent=Metconazole, Compound Name=Metconazole



Linear fit: Response factor = 326.95604 - 0.0020436\*Nominal concentration ng/L

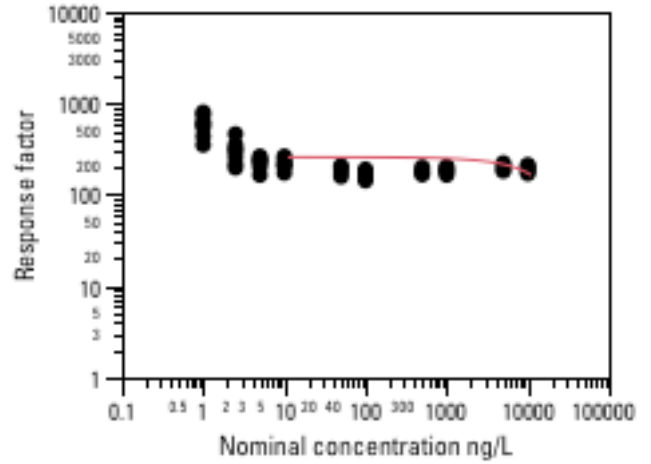


Parent=Myclobutanil, Compound Name=Myclobutanil



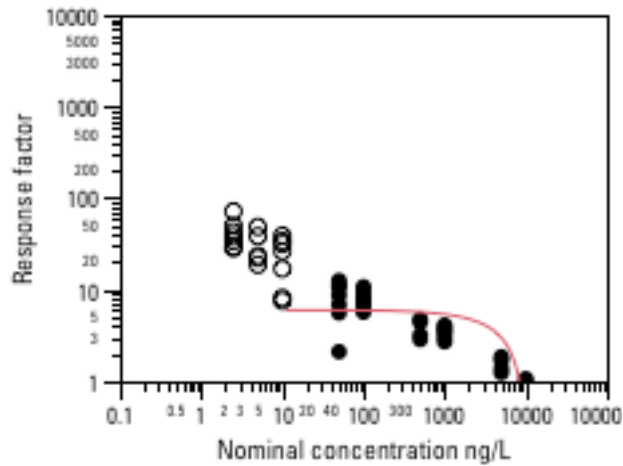
Linear fit: Response factor =  $179.03566 + 0.0001805 \cdot \text{Nominal concentration ng/L}$

Parent=Propiconazole, Compound Name=Propiconazole



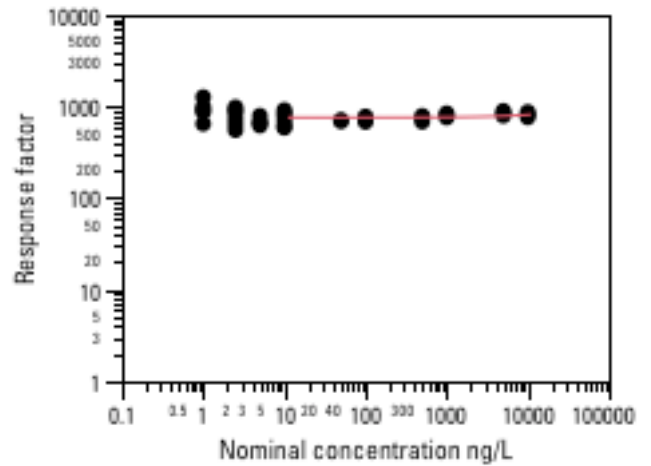
Linear fit: Response factor =  $258.30591 - 0.0085185 \cdot \text{Nominal concentration ng/L}$

Parent=Propiconazole, Compound Name=1H-1,2,4-Triazole



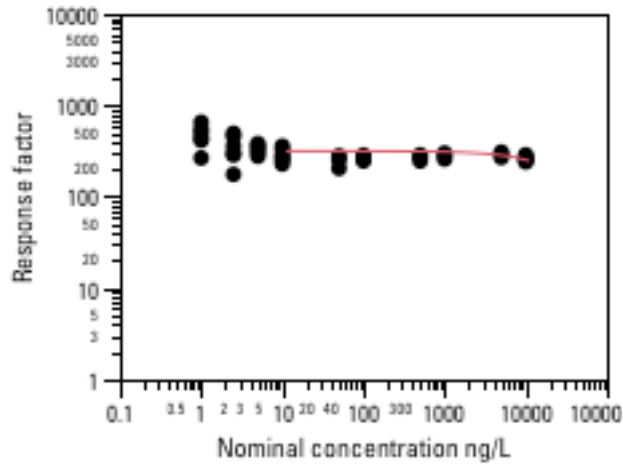
Linear fit: Response factor =  $6.0066082 - 0.0006019 \cdot \text{Nominal concentration ng/L}$

Parent=Pyraclostrobin, Compound Name=Pyraclostrobin



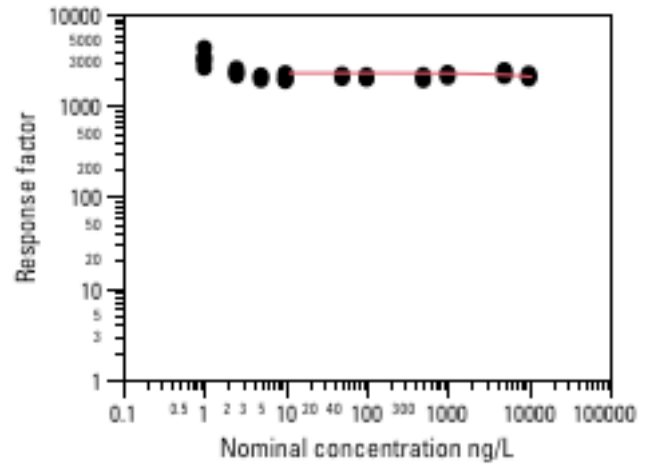
Linear fit: Response factor =  $761.24329 + 0.005372 \cdot \text{Nominal concentration ng/L}$

Parent=Tebuconazole, Compound Name=tebuconazole



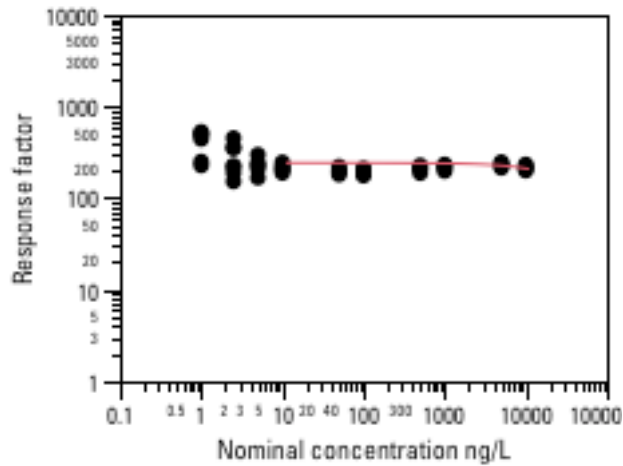
Linear fit: Response factor = 316.36716 - 0.0063223\*Nominal concentration ng/L

Parent=Trifloxystrobin, Compound Name=Trifloxystrobin



Linear fit: Response factor = 2257.2548 - 0.0192338\*Nominal concentration ng/L

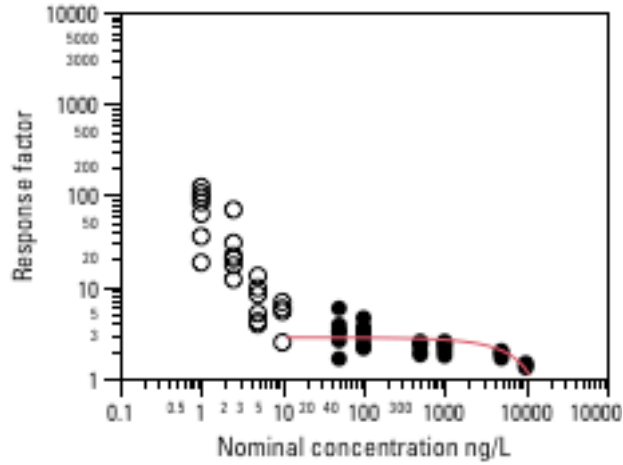
Parent=Tetraconazole, Compound Name=Tetraconazole



Linear fit: Response factor = 243.51021 - 0.0032383\*Nominal concentration ng/L

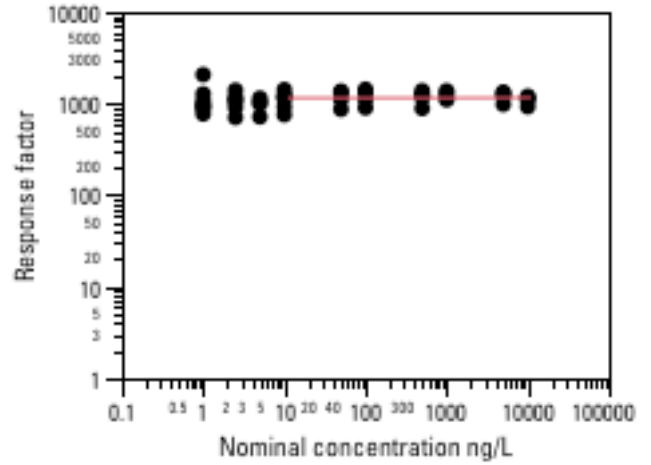
## Miscellaneous

Parent=Aminopyralid, Compound  
Name=Aminopyralid



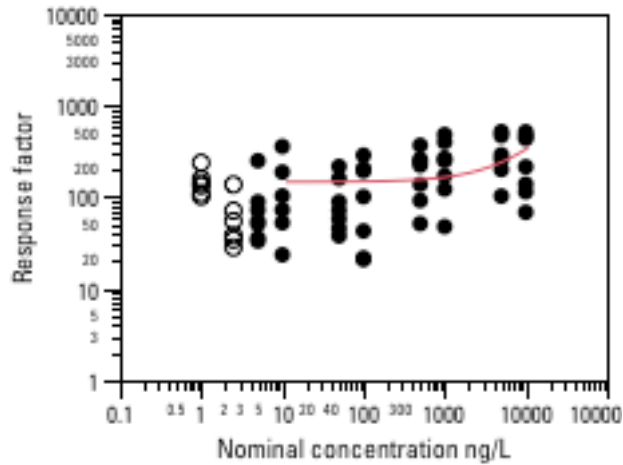
Linear fit: Response factor =  $2.7887801 - 0.0001536 \cdot \text{Nominal concentration ng/L}$

Parent=Bifenazate, Compound  
Name=Bifenazate diazene



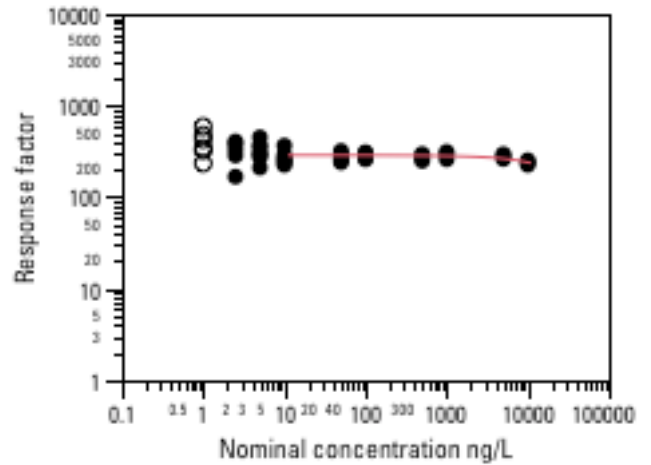
Linear fit: Response factor =  $1154.4833 + 0.0008122 \cdot \text{Nominal concentration ng/L}$

Parent=Bifenazate, Compound  
Name=Bifenazate



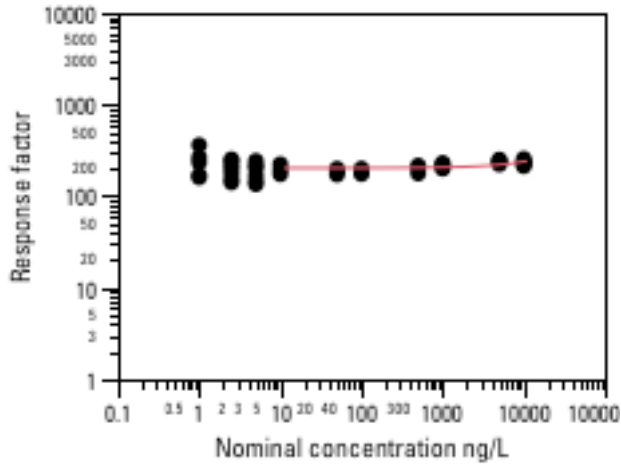
Linear fit: Response factor =  $146.54594 + 0.0187549 \cdot \text{Nominal concentration ng/L}$

Parent=Bromacil, Compound Name=Bromacil



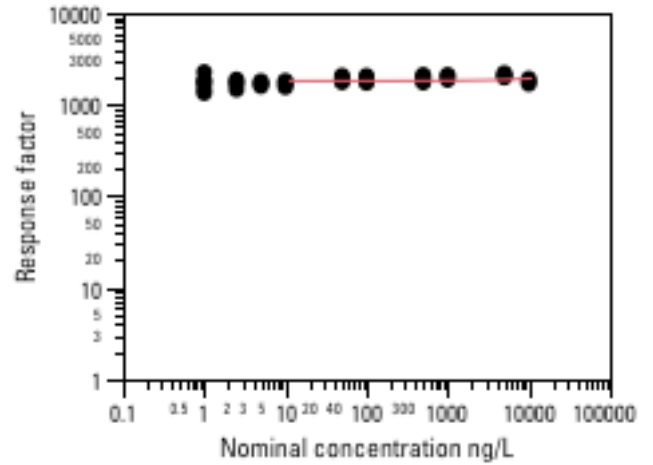
Linear fit: Response factor =  $287.03489 - 0.0046611 \cdot \text{Nominal concentration ng/L}$

Parent=Butralin, Compound Name=Butralin



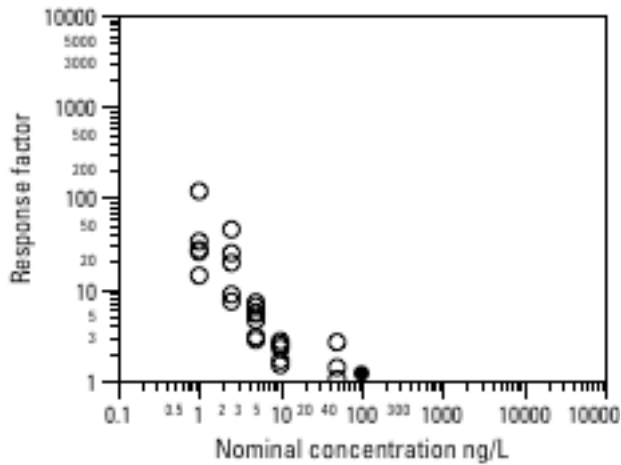
Linear fit: Response factor = 202.99517 + 0.0035859\*Nominal concentration ng/L

Parent=Etoxazole, Compound Name=Etoxazole



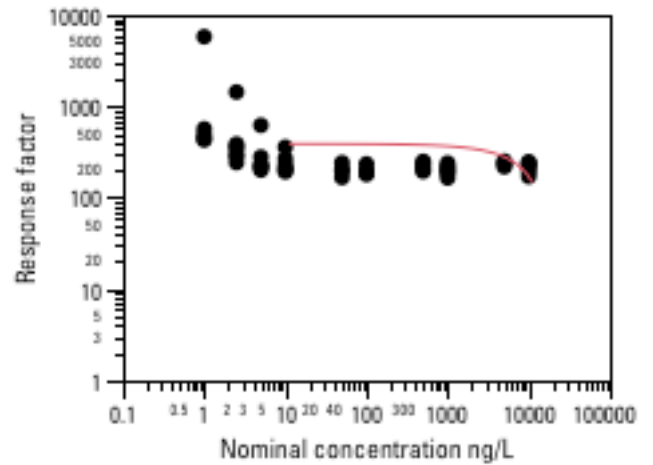
Linear fit: Response factor = 1817.6251 + 0.0106505\*Nominal concentration ng/L

Parent=Diquat, Compound Name=Diquat



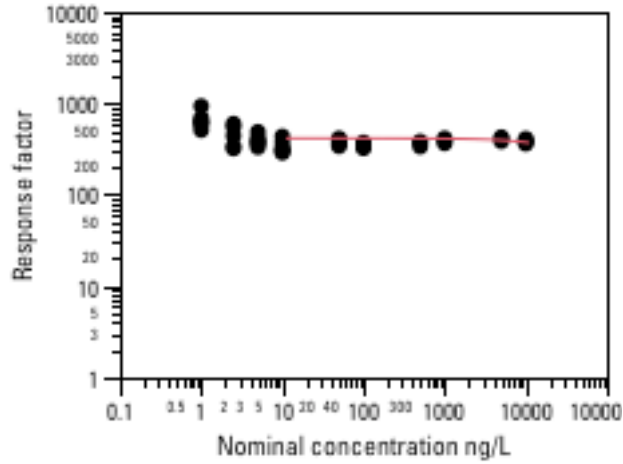
Linear fit: Response factor = 0.3626559 + 2.8169e-6\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

Parent=Fenbutatin oxide, Compound Name=Fenbutatin oxide



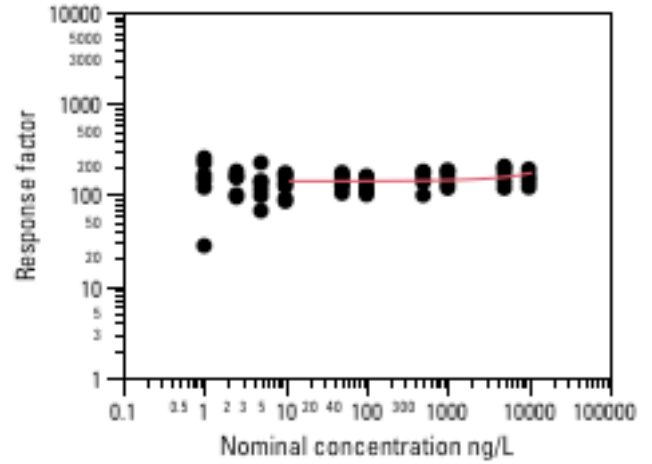
Linear fit: Response factor = 389.66939 - 0.0219589\*Nominal concentration ng/L

Parent=Flubendiamide, Compound Name=Deiido flubendiamide



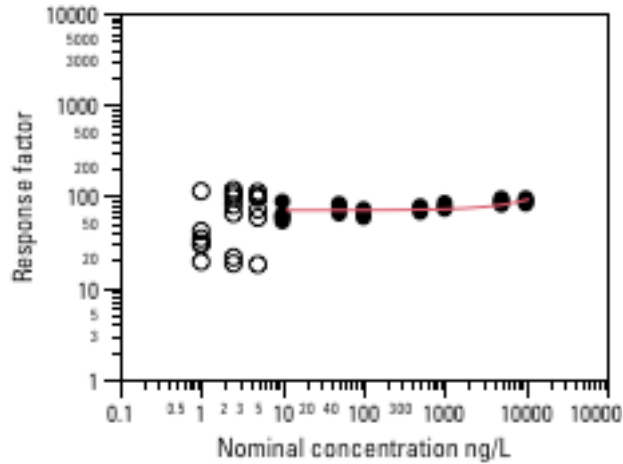
Linear fit: Response factor = 415.63803 - 0.0040522\*Nominal concentration ng/L

Parent=Flumiclorac, Compound Name=Flumiclorac



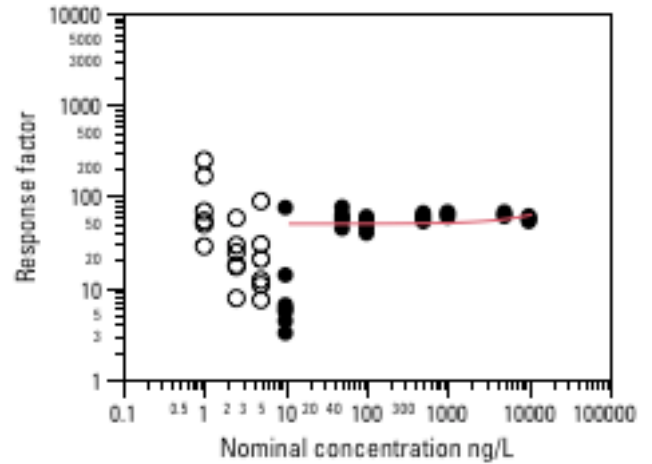
Linear fit: Response factor = 141.21046 + 0.002992\*Nominal concentration ng/L

Parent=Flumetsulam, Compound Name=Flumetsulam



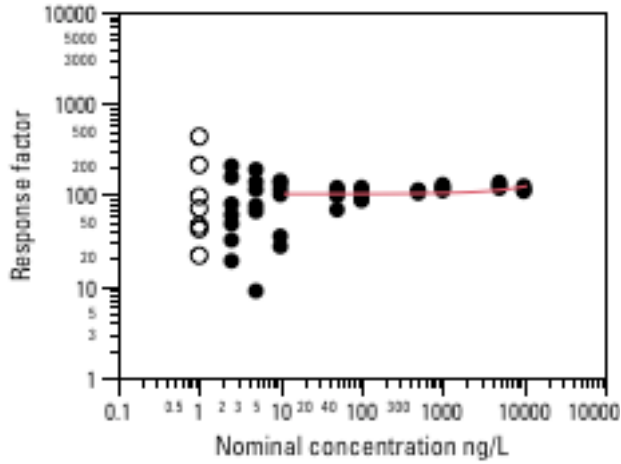
Linear fit: Response factor = 70.123124 + 0.0020527\*Nominal concentration ng/L

Parent=Imazamox, Compound Name=Imazamox



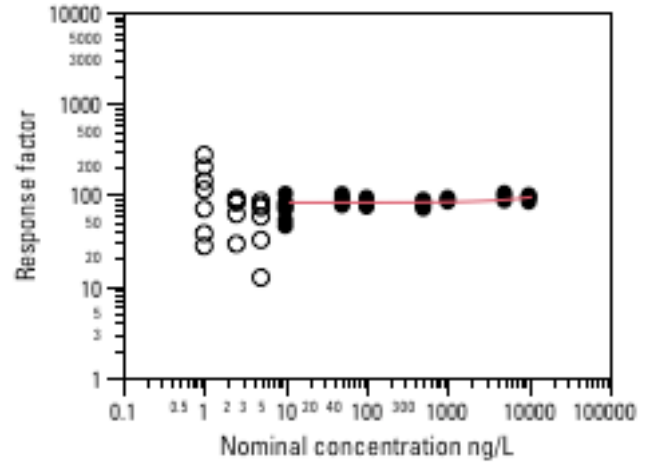
Linear fit: Response factor = 49.904069 + 0.0011965\*Nominal concentration ng/L

Parent=Imazaquin, Compound Name=Imazaquin



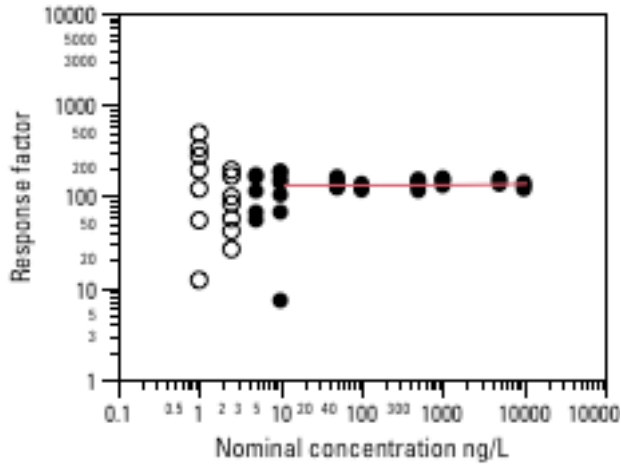
Linear fit: Response factor = 102.26782 + 0.0020542\*Nominal concentration ng/L

Parent=Imidacloprid, Compound Name=Imidacloprid



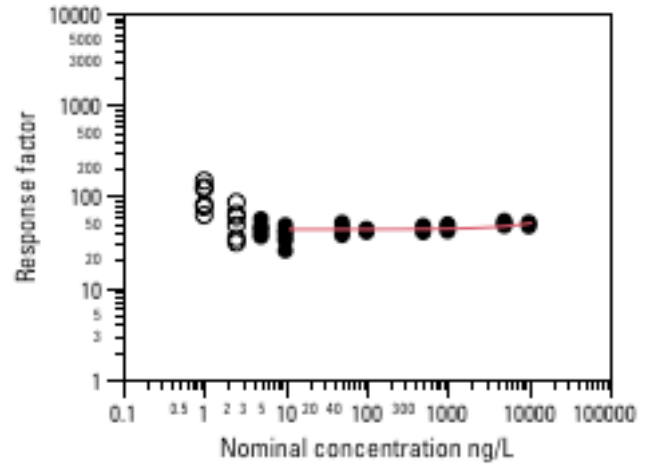
Linear fit: Response factor = 82.092649 + 0.0011484\*Nominal concentration ng/L

Parent=Imazethapyr, Compound Name=Imazethapyr



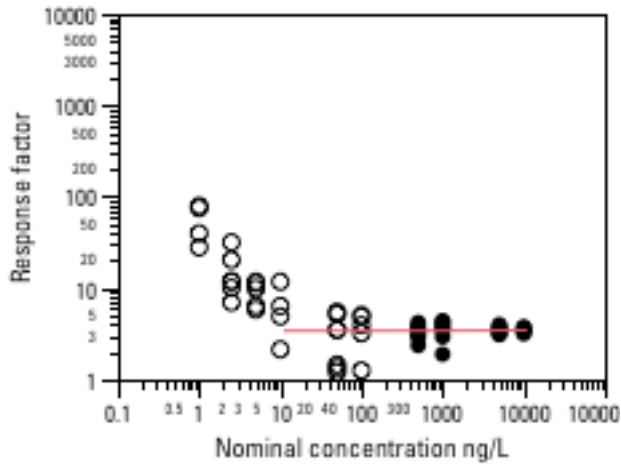
Linear fit: Response factor = 131.51231 + 0.0004976\*Nominal concentration ng/L

Parent=Indoxacarb, Compound Name=Indoxacarb



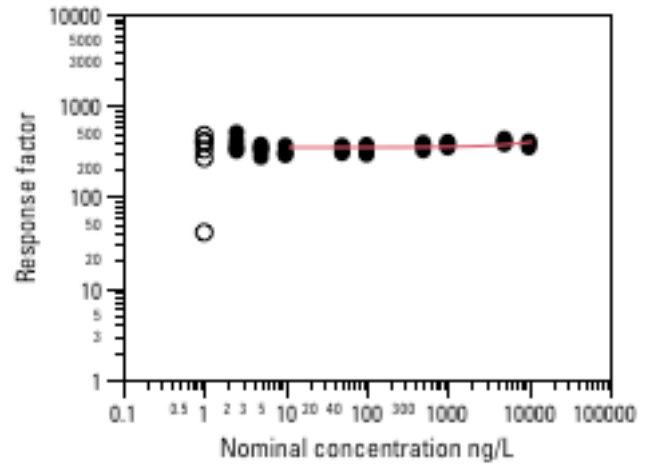
Linear fit: Response factor = 43.388694 + 0.000698\*Nominal concentration ng/L

Parent=Isoxaflutole, Compound Name=Diketonitrile isoxaflutole



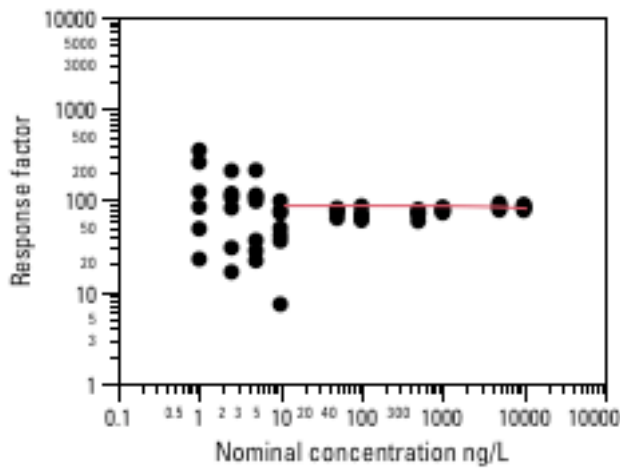
Linear fit: Response factor =  $3.4137126 + 6.3286e-6 \cdot \text{Nominal concentration ng/L}$   
(Analyte was removed from ESI+ mode)

Parent=Lactofen, Compound Name=Lactofen



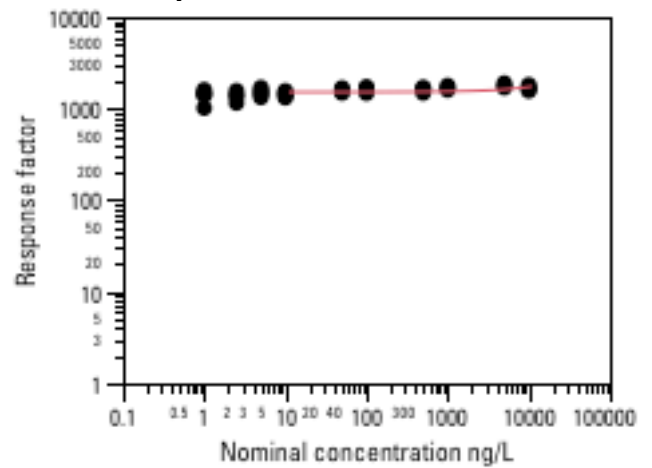
Linear fit: Response factor =  $346.63365 + 0.0048343 \cdot \text{Nominal concentration ng/L}$

Parent=Isoxaflutole, Compound Name=Isoxaflutole



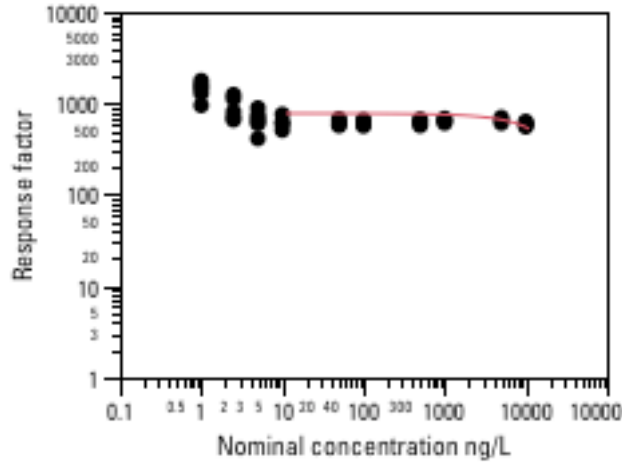
Linear fit: Response factor =  $86.906184 - 0.0005515 \cdot \text{Nominal concentration ng/L}$

Parent=Methoxyfenozide, Compound Name=Methoxyfenozide



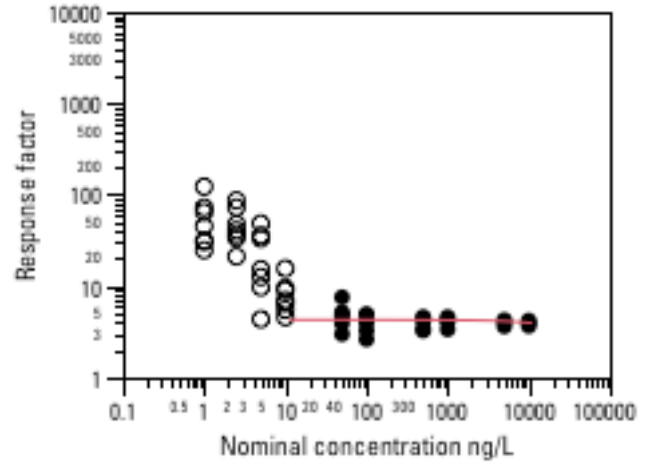
Linear fit: Response factor =  $1515.7676 + 0.0211818 \cdot \text{Nominal concentration ng/L}$

Parent=norflurazon, Compound Name=Demethyl norflurazon



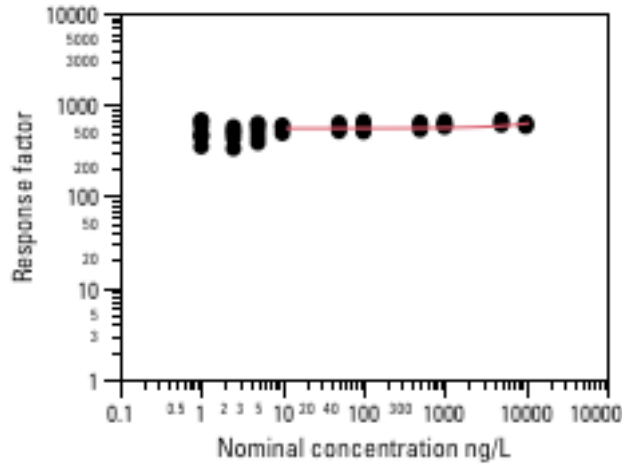
Linear fit: Response factor = 776.889 - 0.0226228\*Nominal concentration ng/L

Parent=Oxyfluorfen, Compound Name=Oxyfluorfen



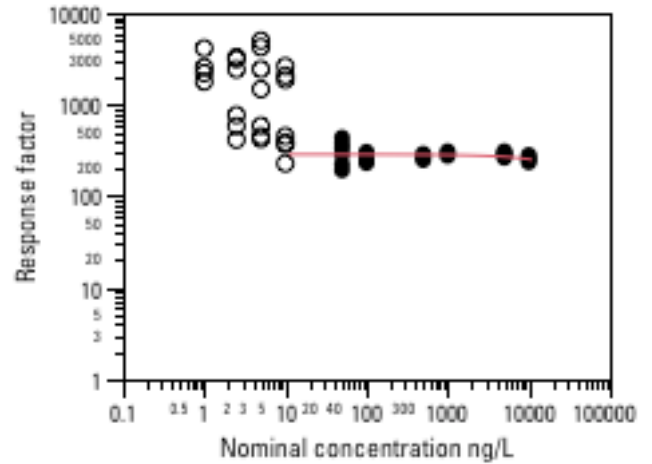
Linear fit: Response factor = 4.295965 - 3.1472e-5\*Nominal concentration ng/L

Parent=Norflurazon, Compound Name=Norflurazon



Linear fit: Response factor = 550.67364 + 0.0068972\*Nominal concentration ng/L

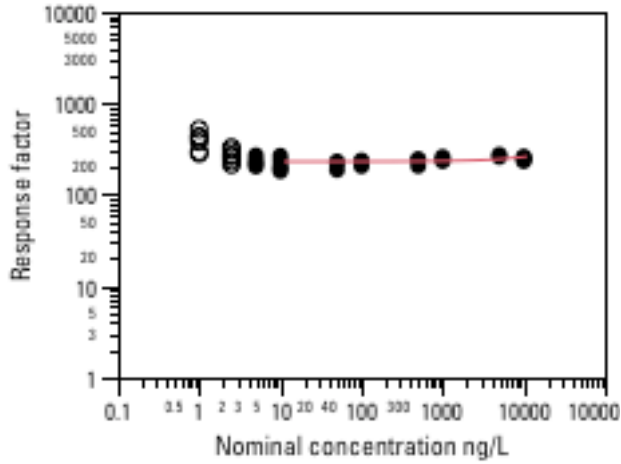
Parent=Paraquat, Compound Name=Paraquat



Linear fit: Response factor = 285.83858 - 0.0032349\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

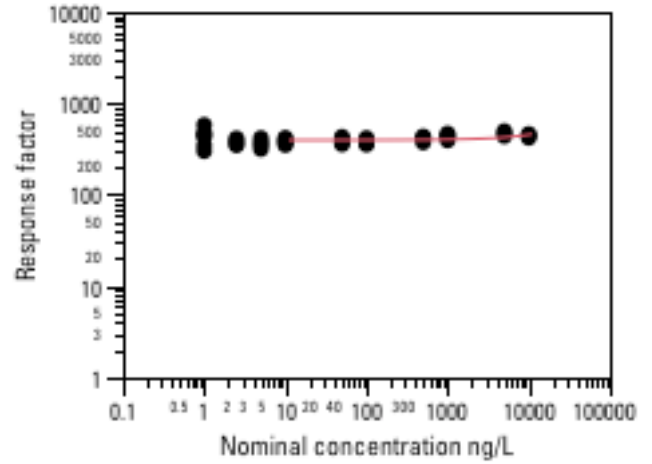


Parent=Pendimethalin, Compound Name=Pendimethalin



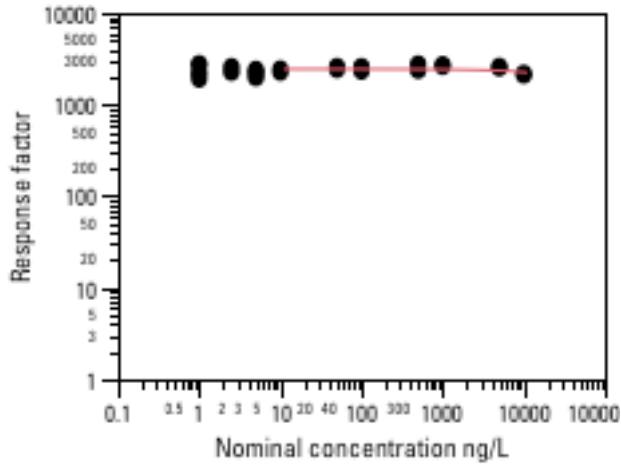
Linear fit: Response factor = 231.14704 + 0.0028929\*Nominal concentration ng/L

Parent=Pymetrozine, Compound Name=Pymetrozine



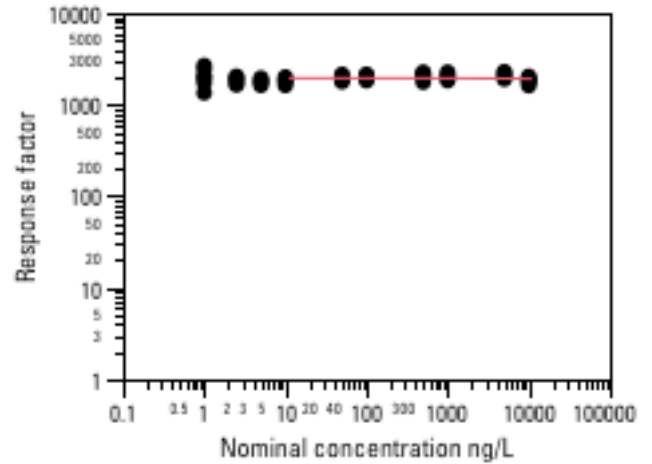
Linear fit: Response factor = 396.5404 + 0.0057822\*Nominal concentration ng/L

Parent=Propargite, Compound Name=Propargite



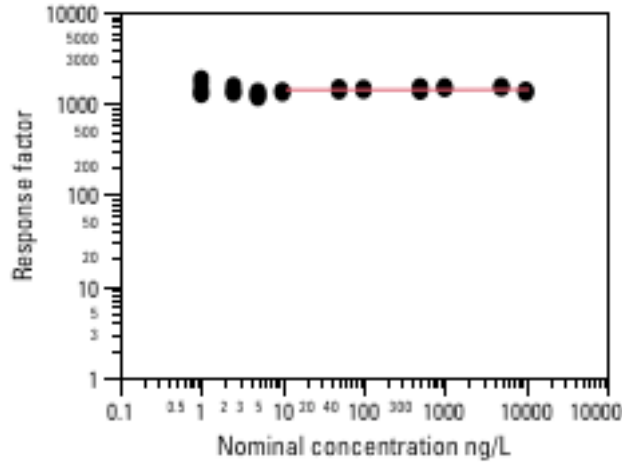
Linear fit: Response factor = 2444.6364 - 0.0186547\*Nominal concentration ng/L

Parent=Pyridaben, Compound Name=Pyridaben



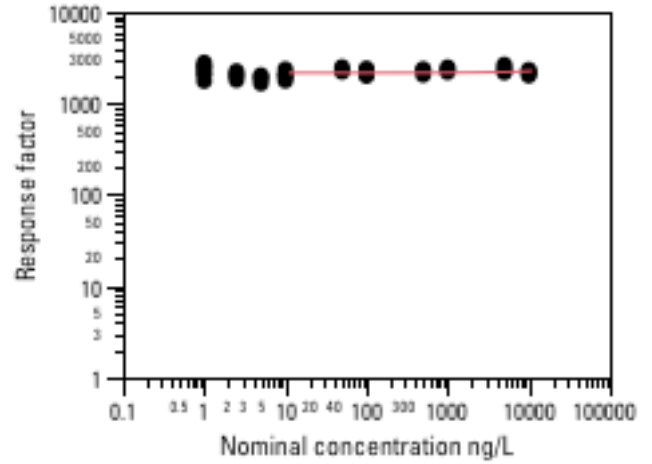
Linear fit: Response factor = 1948.8169 - 0.0039344\*Nominal concentration ng/L

Parent=Pyriproxyfen, Compound Name=Pyriproxyfen



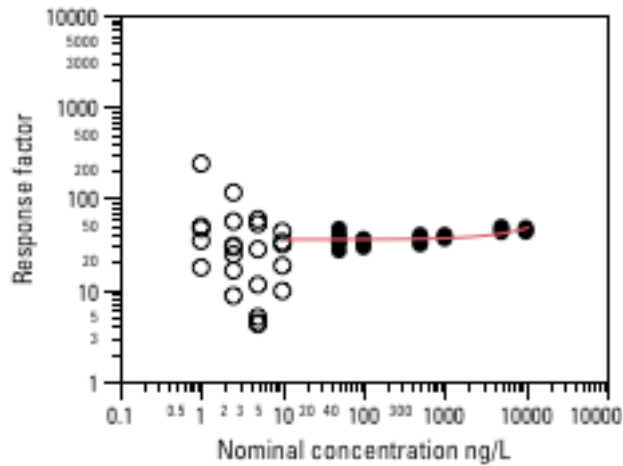
Linear fit: Response factor = 1406.3504 + 0.0014121\*Nominal concentration ng/L

Parent=Tebufenozide, Compound Name=Tebufenozide



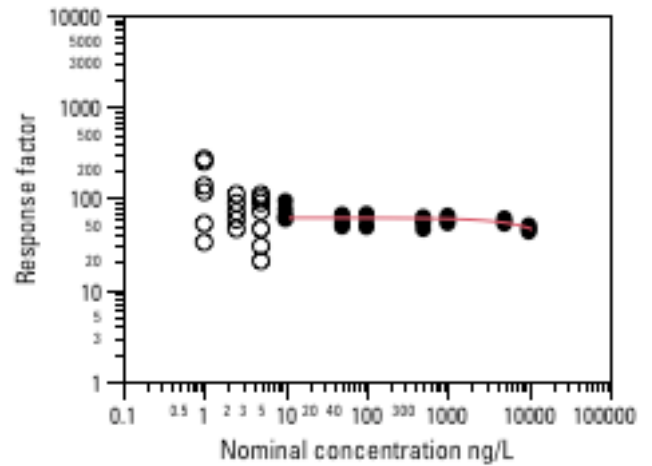
Linear fit: Response factor = 2153.1592 + 0.0104393\*Nominal concentration ng/L

Parent=Sulfentrazone, Compound Name=Sulfentrazone



Linear fit: Response factor = 35.389239 + 0.0011384\*Nominal concentration ng/L

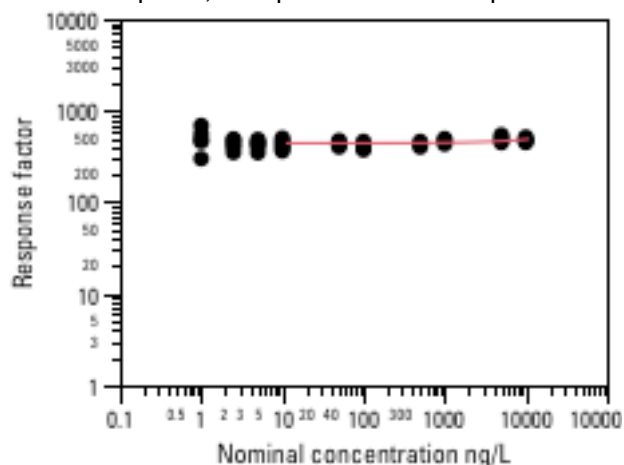
Parent=Terbacil, Compound Name=Terbacil



Linear fit: Response factor = 60.918097 - 0.0013693\*Nominal concentration ng/L

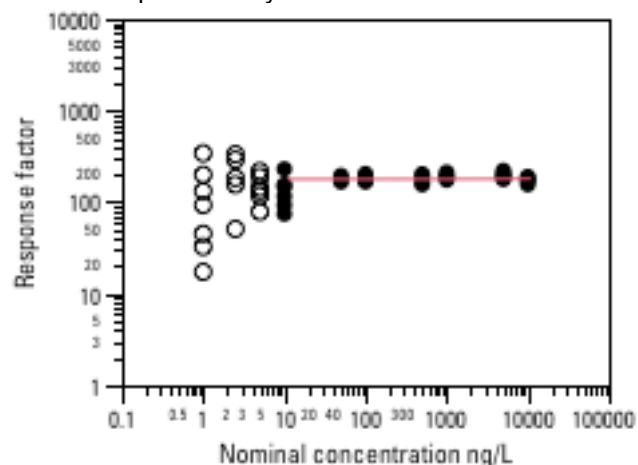
## Organophosphates

Parent=Acephate, Compound Name=Acephate



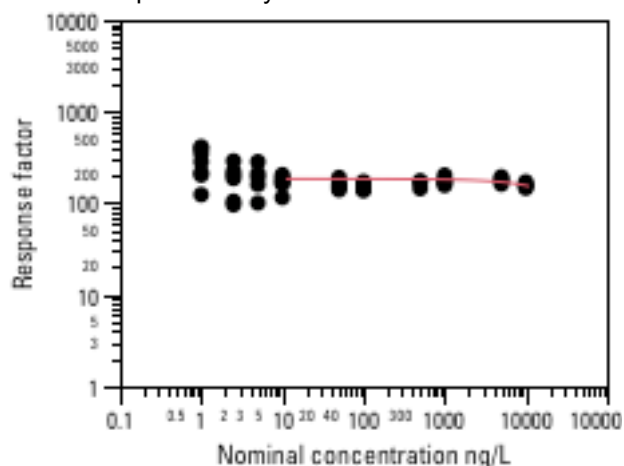
Linear fit: Response factor =  $442.24163 + 0.0043421 \cdot \text{Nominal concentration ng/L}$

Parent=Azinphos-methyl, Compound Name=Azinphos-methyl oxon



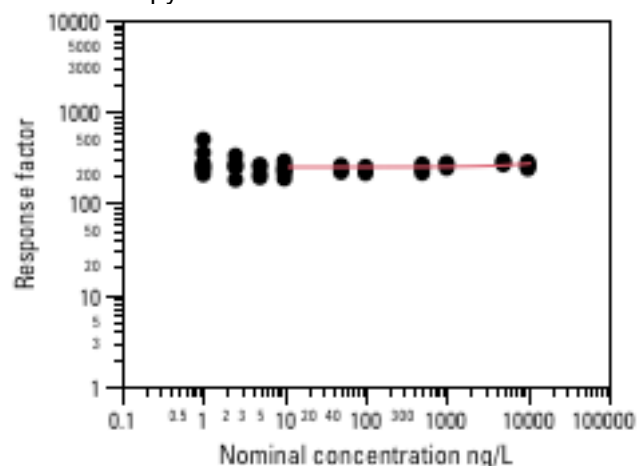
Linear fit: Response factor =  $178.18375 + 0.0002288 \cdot \text{Nominal concentration ng/L}$

Parent=Azinphos-methyl, Compound Name=Azinphos-methyl



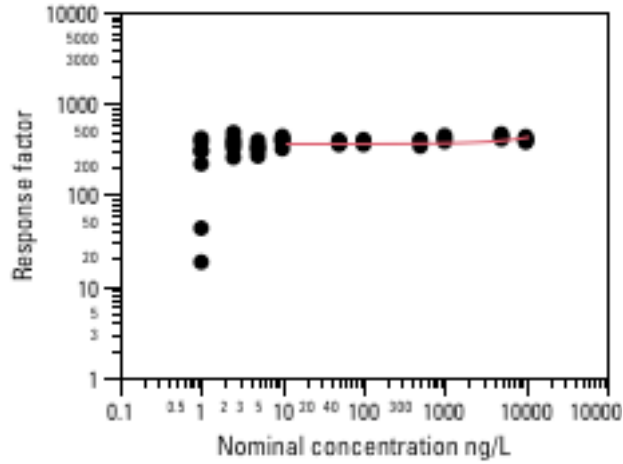
Linear fit: Response factor =  $184.37192 - 0.0028174 \cdot \text{Nominal concentration ng/L}$

Parent=Chlorpyrifos, Compound Name=Chlorpyrifos



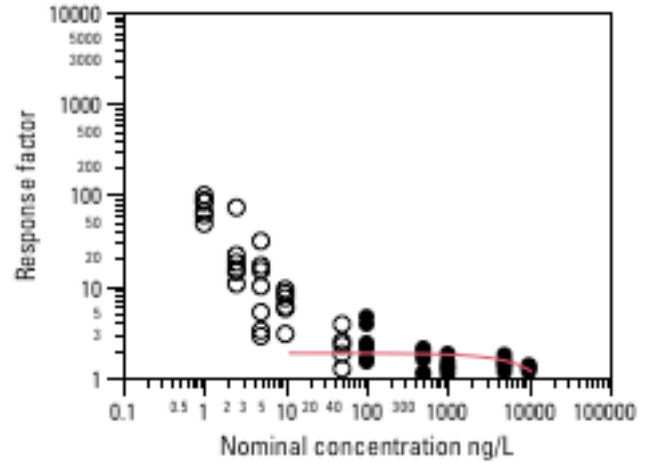
Linear fit: Response factor =  $247.85912 + 0.0022037 \cdot \text{Nominal concentration ng/L}$

Parent=Chlorpyrifos, Compound Name=Chlorpyrifos oxon



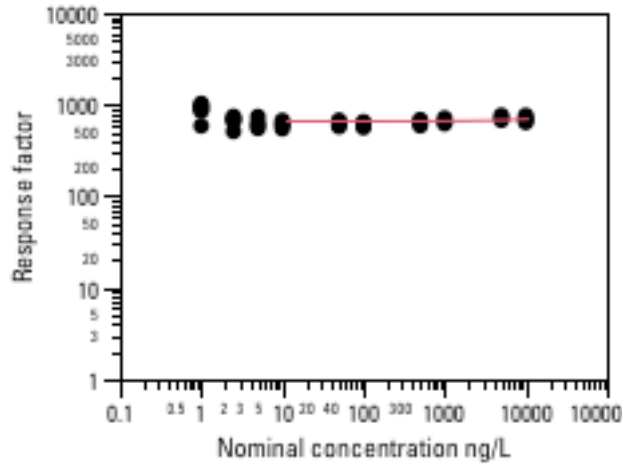
Linear fit: Response factor = 359.39373 + 0.006049\*Nominal concentration ng/L

Parent=Diazinon, Compound Name=Diazinon oxon



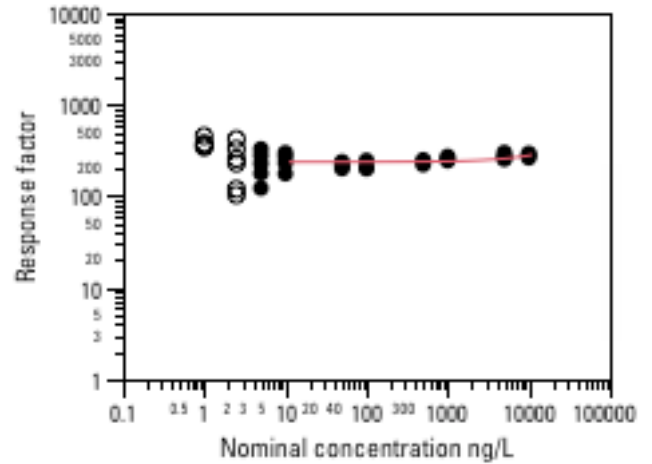
Linear fit: Response factor = 1.8486726 - 6.3152e-5\*Nominal concentration ng/L

Parent=Diazinon, Compound Name=Diazinon



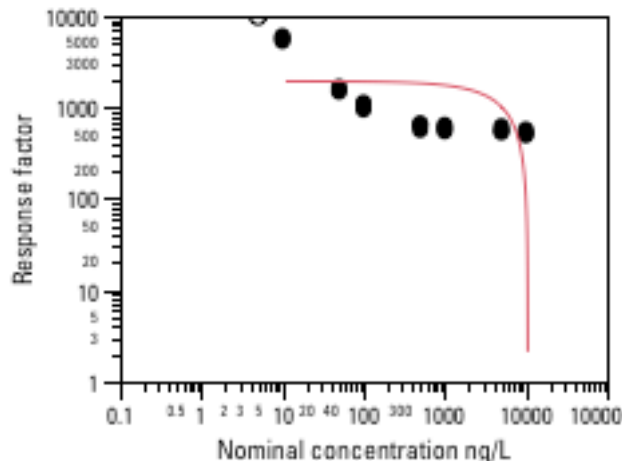
Linear fit: Response factor = 658.79519 + 0.0033739\*Nominal concentration ng/L

Parent=Diazinon, Compound Name=Hydroxydiazinon



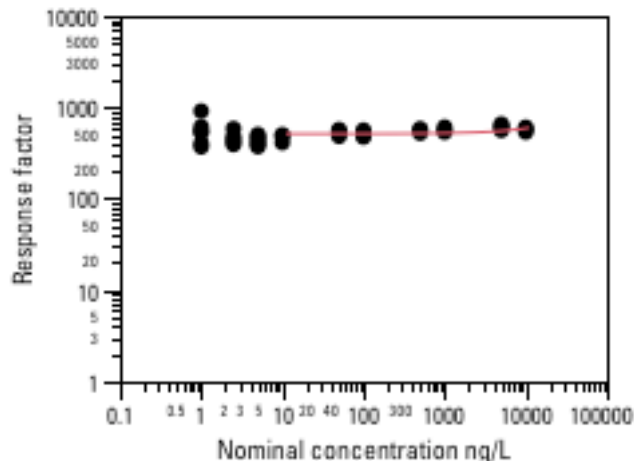
Linear fit: Response factor = 236.07645 + 0.0042271\*Nominal concentration ng/L

Parent=Diazinon, Compound Name=Pyrimidinol



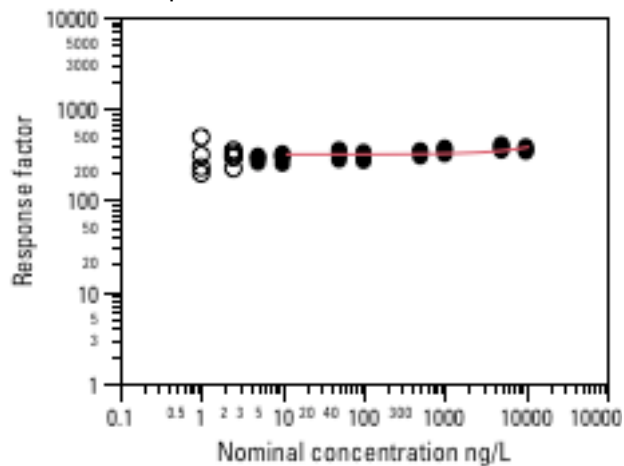
Linear fit: Response factor = 1931.0389 - 0.1821059\*Nominal concentration ng/L

Parent=Dimethoate, Compound Name=Dimethoate



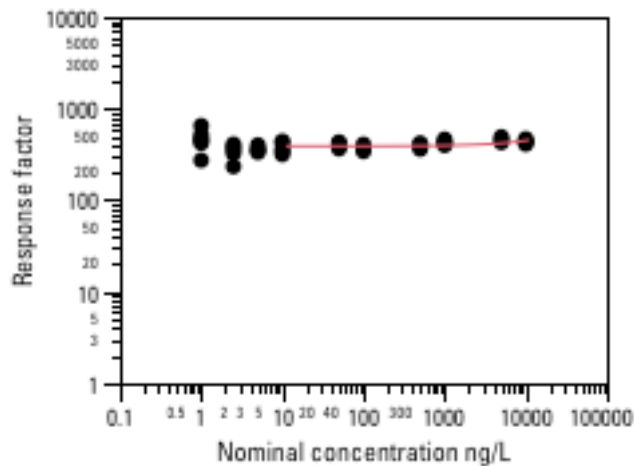
Linear fit: Response factor = 514.77713 + 0.0075622\*Nominal concentration ng/L

Parent=Dicrotophos, Compound Name=Dicrotophos



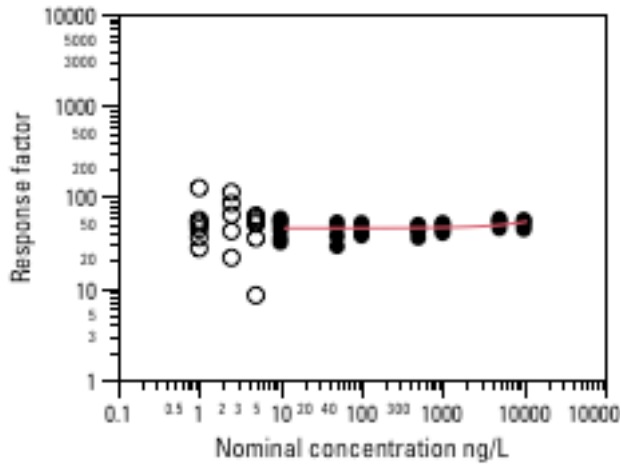
Linear fit: Response factor = 315.9889 + 0.0059706\*Nominal concentration ng/L

Parent=Dimethoate, Compound Name=Dimethoate oxon



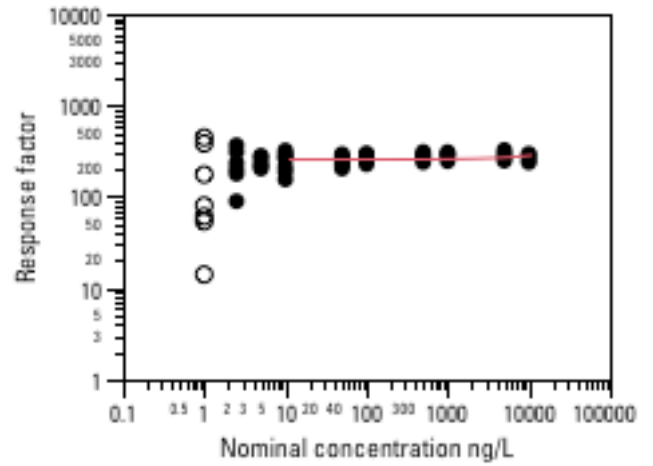
Linear fit: Response factor = 389.29174 + 0.0059538\*Nominal concentration ng/L

Parent=Disulfoton, Compound Name=Disulfoton



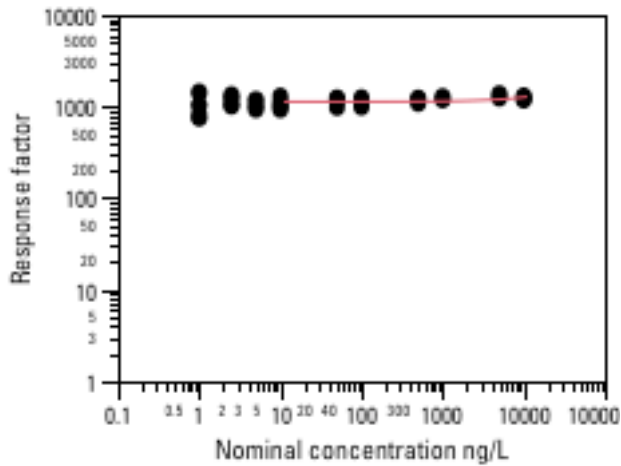
Linear fit: Response factor = 45.31832 + 0.0007467\*Nominal concentration ng/L

Parent=Disulfoton, Compound Name=Disulfoton oxon sulfone



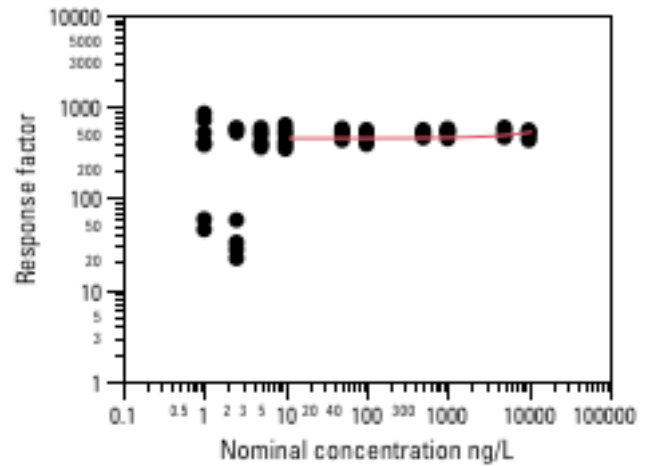
Linear fit: Response factor = 255.50274 + 0.0026535\*Nominal concentration ng/L

Parent=Disulfoton, Compound Name=Disulfoton oxon



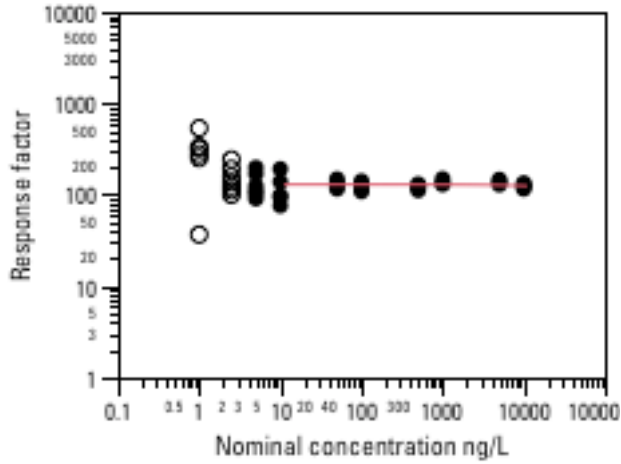
Linear fit: Response factor = 1130.6094 + 0.0135322\*Nominal concentration ng/L

Parent=Disulfoton, Compound Name=Disulfoton oxon sulfoxide



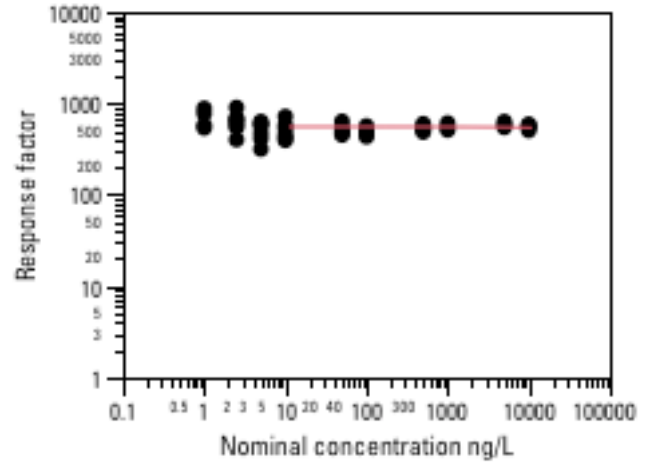
Linear fit: Response factor = 450.55934 + 0.0070826\*Nominal concentration ng/L

Parent=Disulfoton, Compound Name=Disulfoton sulfone



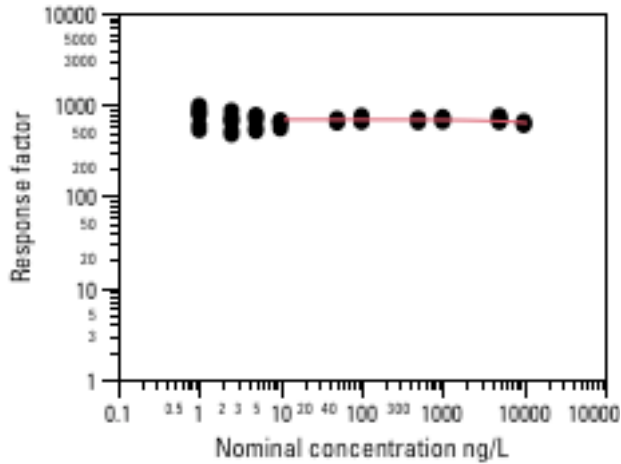
Linear fit: Response factor =  $129.32793 - 0.0003619 \cdot \text{Nominal concentration ng/L}$

Parent=ethoprop, Compound Name=O-Ethyl-O-methyl-S-propyl phosphorothioate



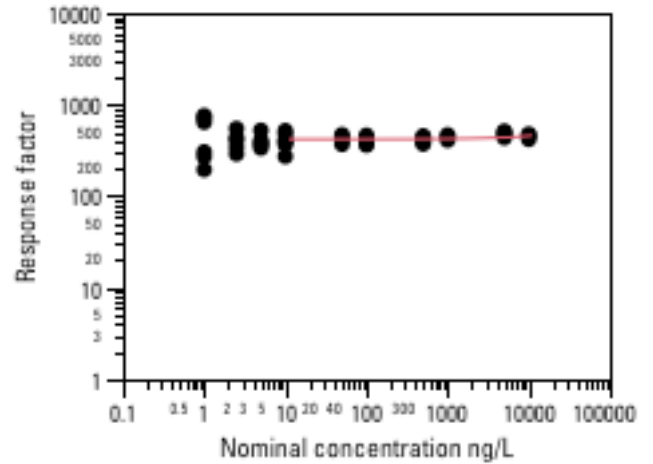
Linear fit: Response factor =  $554.91137 - 0.0010541 \cdot \text{Nominal concentration ng/L}$

Parent=Disulfoton, Compound Name=Disulfoton sulfoxide



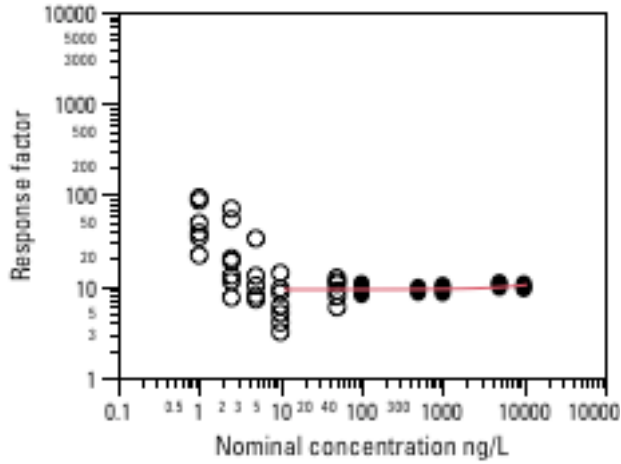
Linear fit: Response factor =  $684.96028 - 0.0048912 \cdot \text{Nominal concentration ng/L}$

Parent=ethoprop, Compound Name=O-ethyl-S-methyl-S-propyl phosphorodithioate



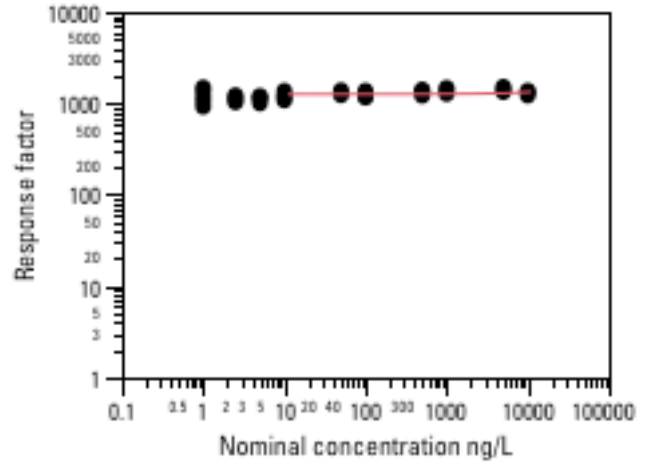
Linear fit: Response factor =  $419.64031 + 0.0036399 \cdot \text{Nominal concentration ng/L}$

Parent=ethoprop, Compound Name=O-ethyl-S-propyl phosphorothioate



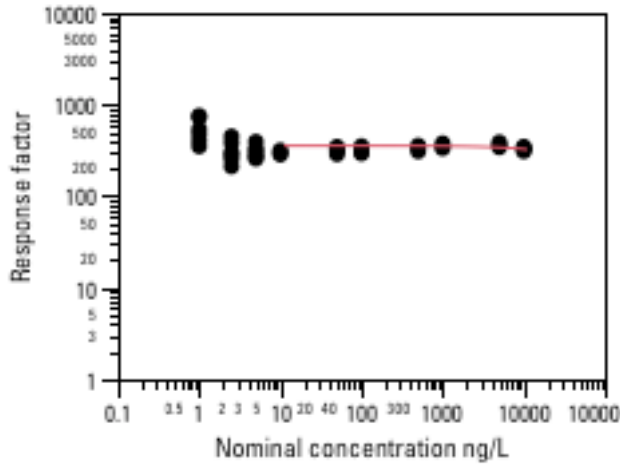
Linear fit: Response factor =  $9.1891715 + 0.0001075 \cdot \text{Nominal concentration ng/L}$

Parent=Fenamiphos, Compound Name=Fenamiphos



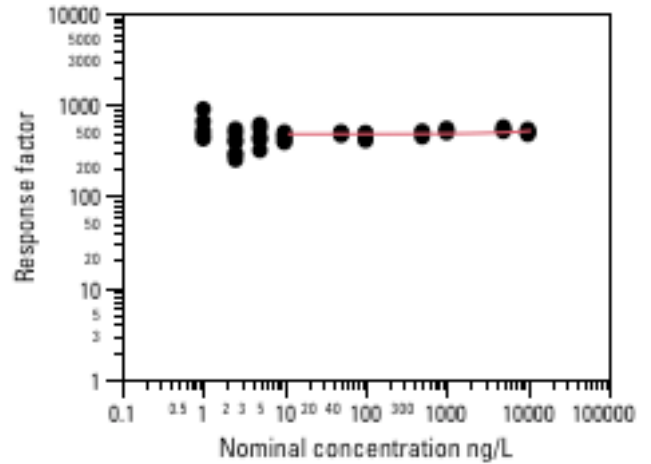
Linear fit: Response factor =  $1259.2944 + 0.0070758 \cdot \text{Nominal concentration ng/L}$

Parent=Ethoprop, Compound Name=Ethoprop



Linear fit: Response factor =  $355.1994 - 0.0028387 \cdot \text{Nominal concentration ng/L}$

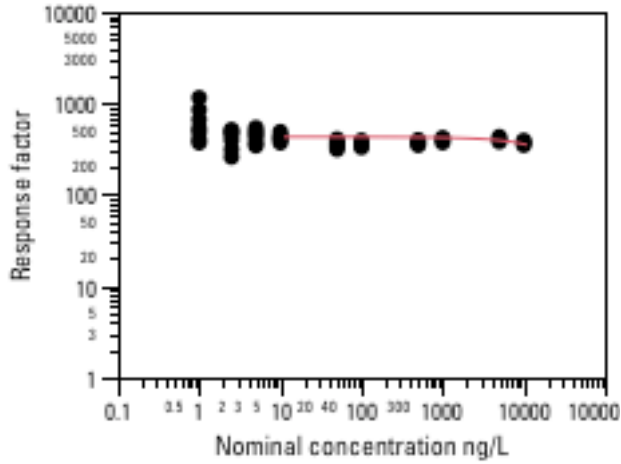
Parent=Fenamiphos, Compound Name=Fenamiphos sulfone



Linear fit: Response factor =  $477.23361 + 0.0036941 \cdot \text{Nominal concentration ng/L}$

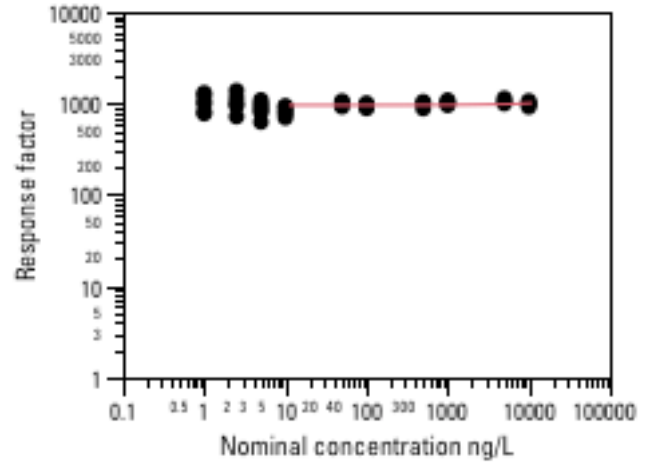


Parent=Fenamiphos, Compound Name=Fenamiphos sulfoxide



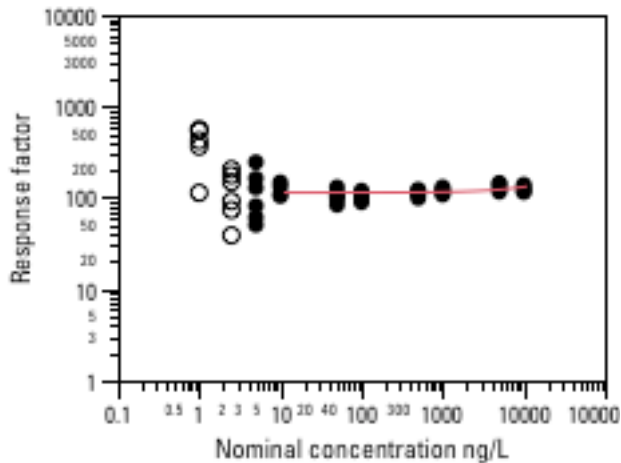
Linear fit: Response factor =  $429.67784 - 0.0070927 \cdot \text{Nominal concentration ng/L}$

Parent=Malathion, Compound Name=Malaoxon



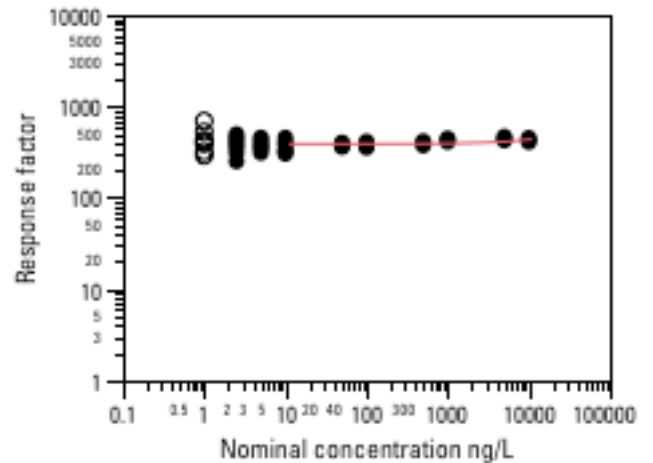
Linear fit: Response factor =  $955.55669 + 0.004899 \cdot \text{Nominal concentration ng/L}$

Parent=Fonofos, Compound Name=Fonofos



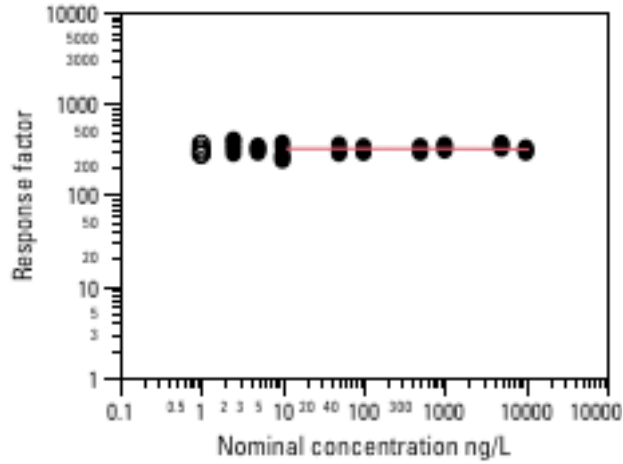
Linear fit: Response factor =  $113.91749 + 0.0017725 \cdot \text{Nominal concentration ng/L}$

Parent=Malathion, Compound Name=Malathion



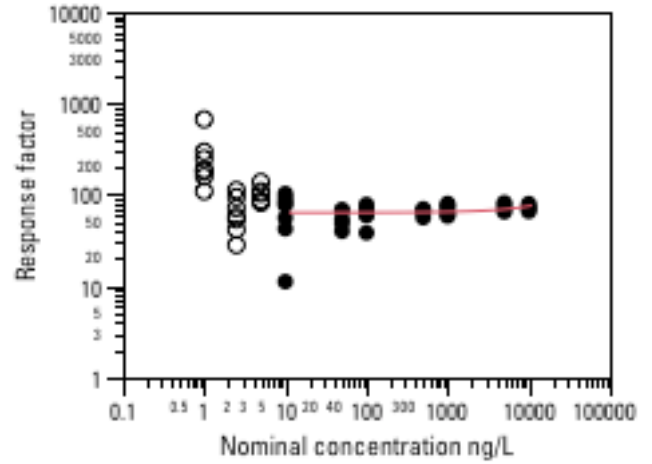
Linear fit: Response factor =  $388.76595 + 0.0044853 \cdot \text{Nominal concentration ng/L}$

Parent=Methamidophos, Compound Name=Methamidophos



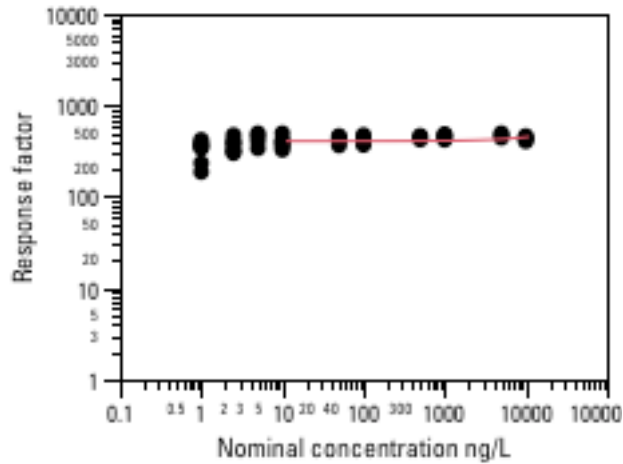
Linear fit: Response factor = 319.66158 - 0.0004933\*Nominal concentration ng/L

Parent=Naled, Compound Name=Dichlorvos



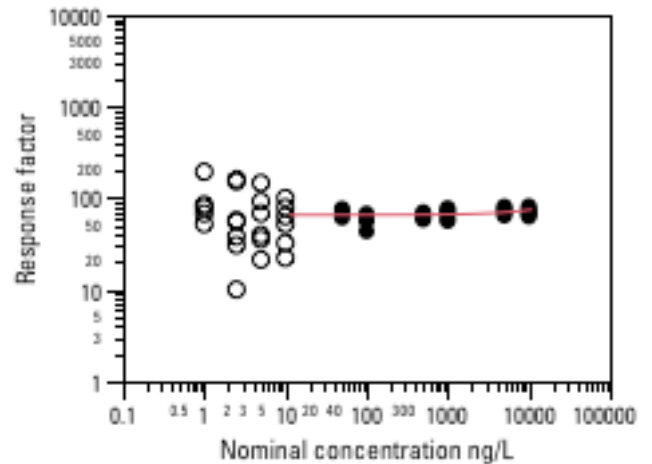
Linear fit: Response factor = 63.836024 + 0.001129\*Nominal concentration ng/L

Parent=Methidathion, Compound Name=Methidathion



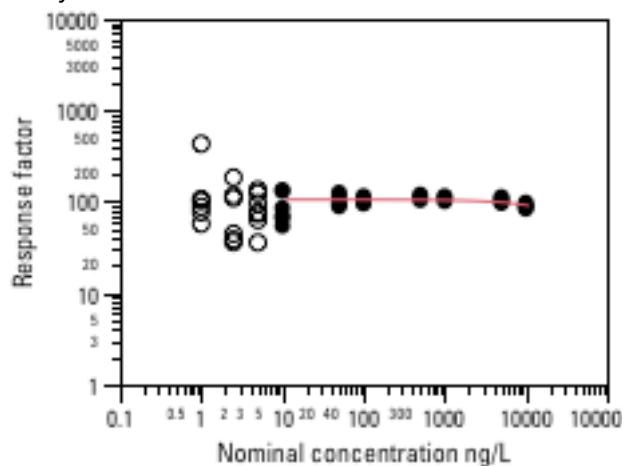
Linear fit: Response factor = 405.74416 + 0.0043419\*Nominal concentration ng/L

Parent=Naled, Compound Name=Naled



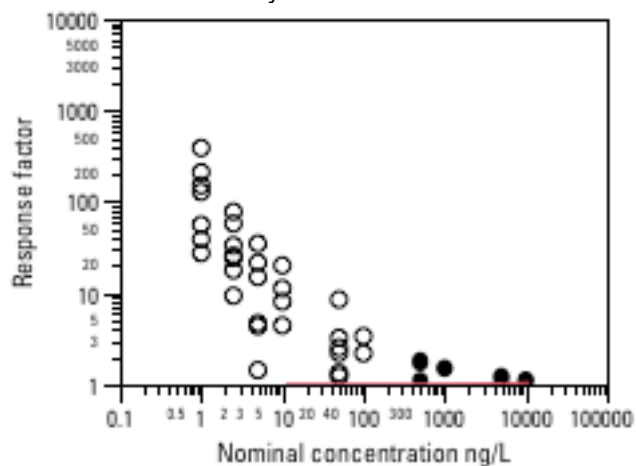
Linear fit: Response factor = 65.610149 + 0.000887\*Nominal concentration ng/L

Parent=parathion, Compound Name=Paraoxon-methyl



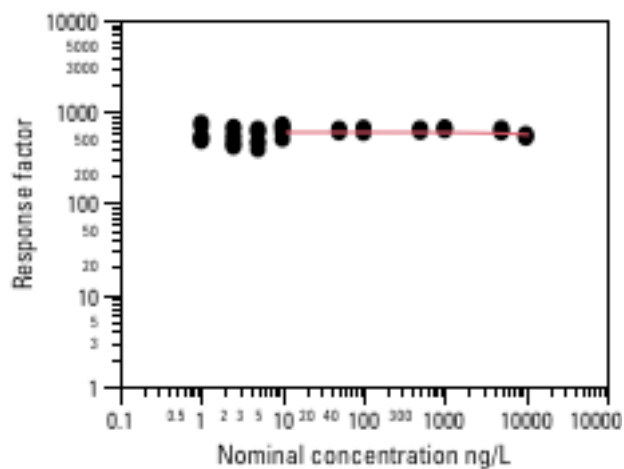
Linear fit: Response factor = 105.41268 - 0.0013564\*Nominal concentration ng/L

Parent=Parathion-methyl, Compound Name=Parathion-methyl



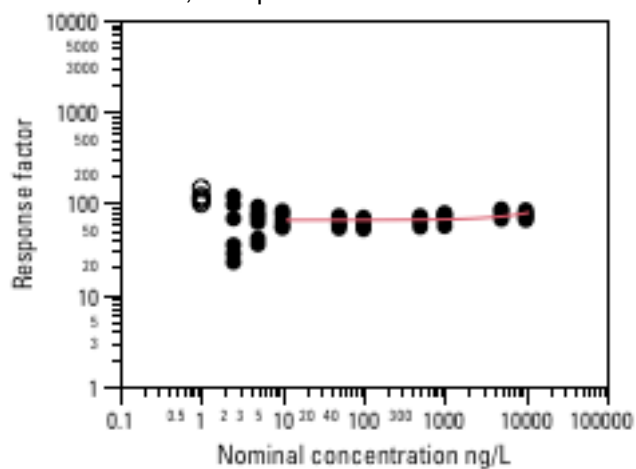
Linear fit: Response factor = 1.0127937 + 3.8295e-6\*Nominal concentration ng/L

Parent=Parathion-ethyl, Compound Name=Paraoxon



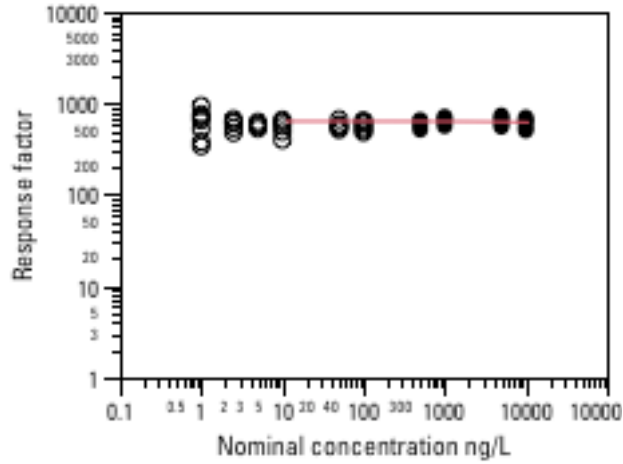
Linear fit: Response factor = 594.03618 - 0.0032382\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate



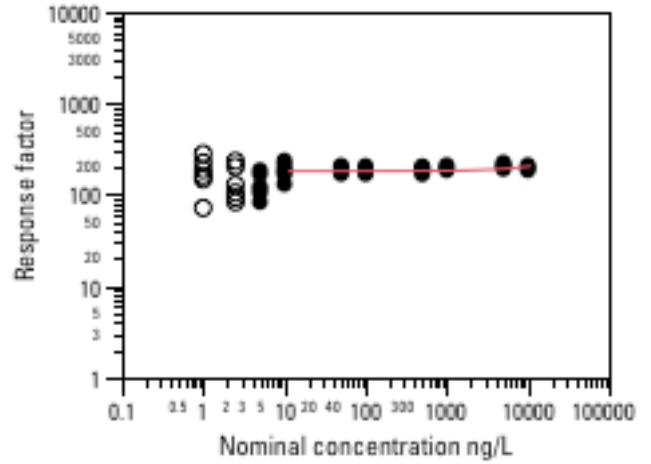
Linear fit: Response factor = 65.342524 + 0.0012423\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate oxon



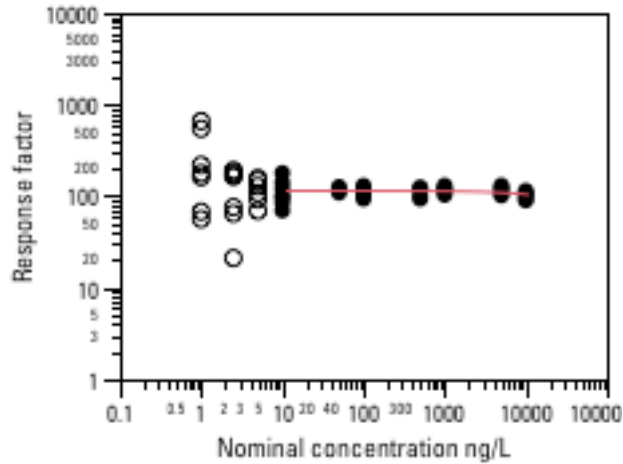
Linear fit: Response factor = 636.40321 - 0.0014424\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate oxon sulfoxide



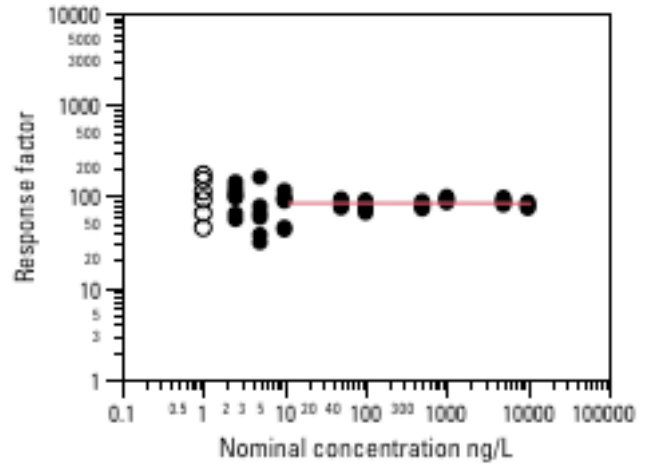
Linear fit: Response factor = 180.96155 + 0.0023054\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate oxon sulfone



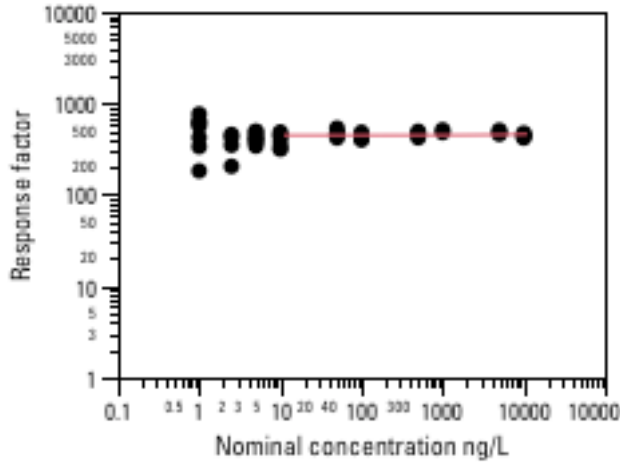
Linear fit: Response factor = 114.10333 - 0.000961\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate sulfone



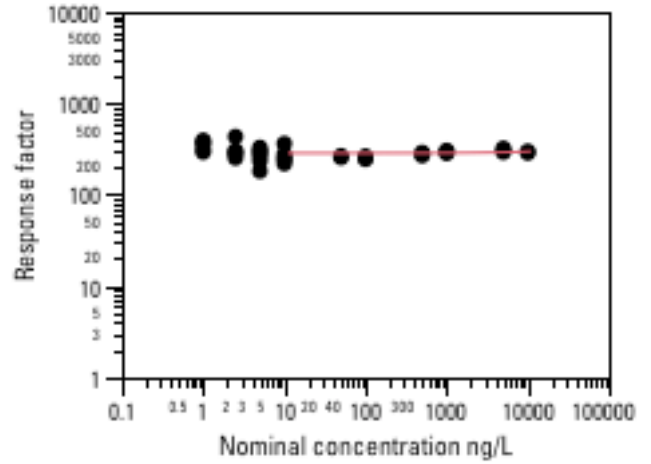
Linear fit: Response factor = 83.988588 - 0.000075\*Nominal concentration ng/L

Parent=Phorate, Compound Name=Phorate sulfoxide



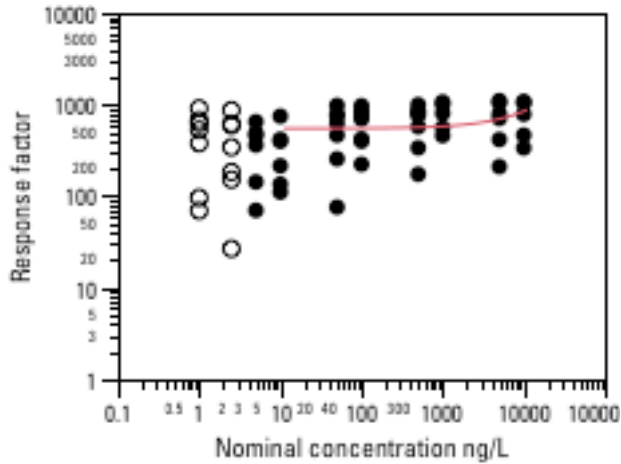
Linear fit: Response factor = 449.05728 + 0.0009652\*Nominal concentration ng/L

Parent=Profenofos, Compound Name=Profenofos



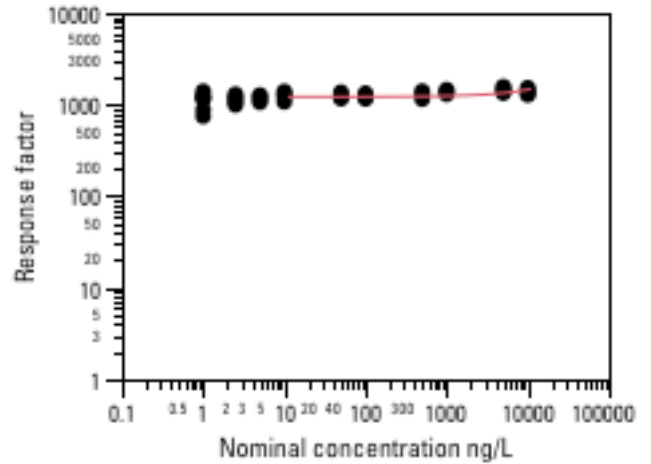
Linear fit: Response factor = 285.15673 + 0.0013097\*Nominal concentration ng/L

Parent=Phosmet, Compound Name=Phosmet oxon



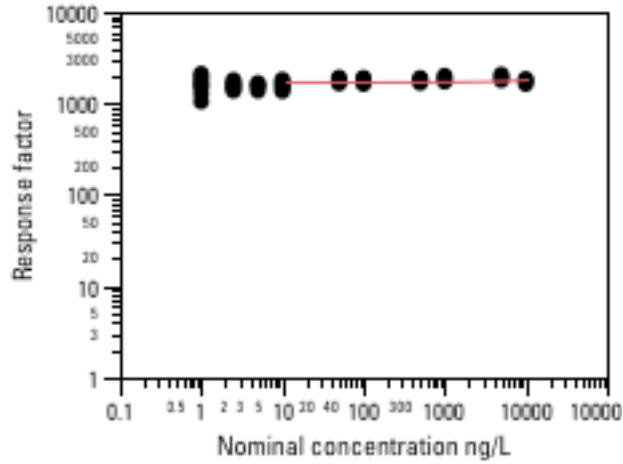
Linear fit: Response factor = 549.23281 + 0.029645\*Nominal concentration ng/L

Parent=Tebupirimfos, Compound Name=Tebupirimfos



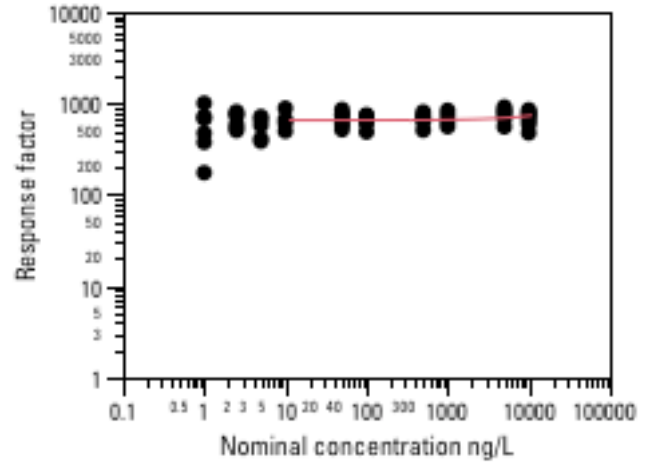
Linear fit: Response factor = 1217.6706 + 0.0240331\*Nominal concentration ng/L

Parent=Tebupirimphos, Compound Name=Tebupirimfos oxon



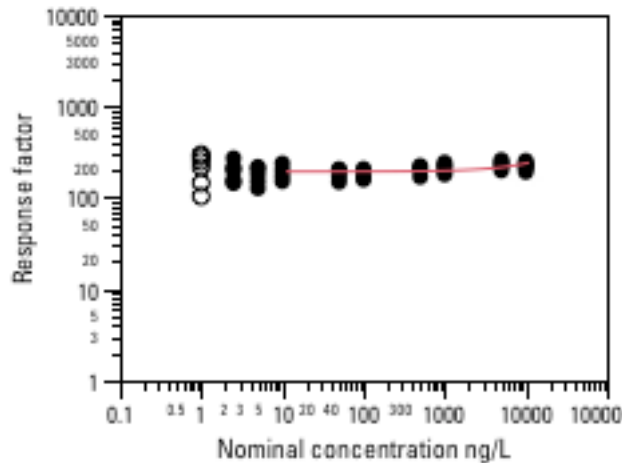
Linear fit: Response factor = 1691.6233 + 0.0099737\*Nominal concentration ng/L

Parent=Terbufos, Compound Name=Terbufos oxon



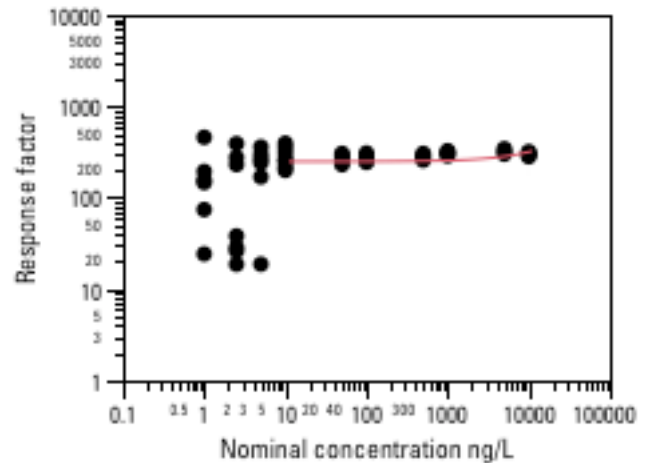
Linear Fit: Response factor = 654.07547 + 0.0077798\*Nominal concentration ng/L

Parent=Terbufos, Compound Name=Terbufos



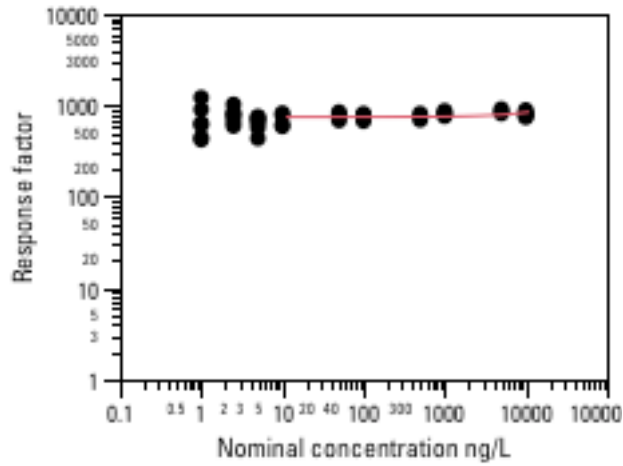
Linear fit: Response factor = 193.31217 + 0.0044605\*Nominal concentration ng/L

Parent=Terbufos, Compound Name=Terbufos oxon sulfone



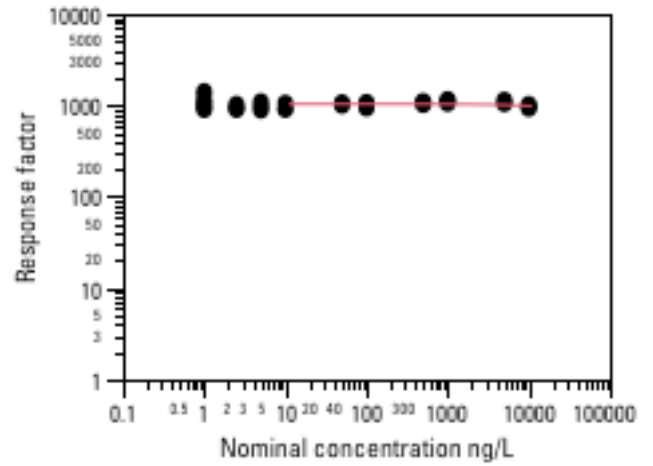
Linear fit: Response factor = 248.84579 + 0.0069002\*Nominal concentration ng/L

Parent=Terbufos, Compound Name=Terbufos oxon sulfoxide



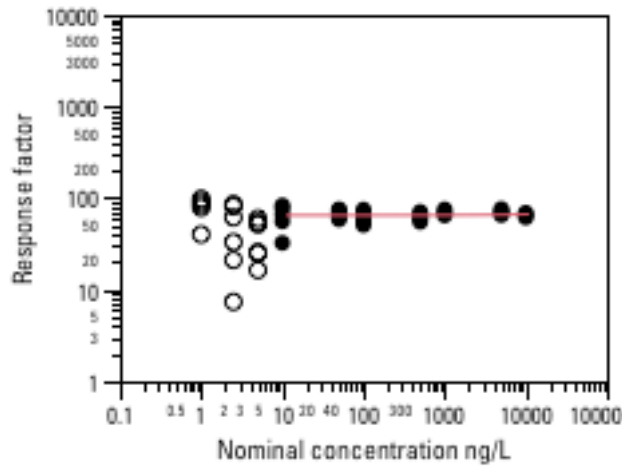
Linear fit: Response factor =  $745.7838 + 0.0090766 \cdot \text{Nominal concentration ng/L}$

Parent=Terbufos, Compound Name=Terbufos sulfoxide



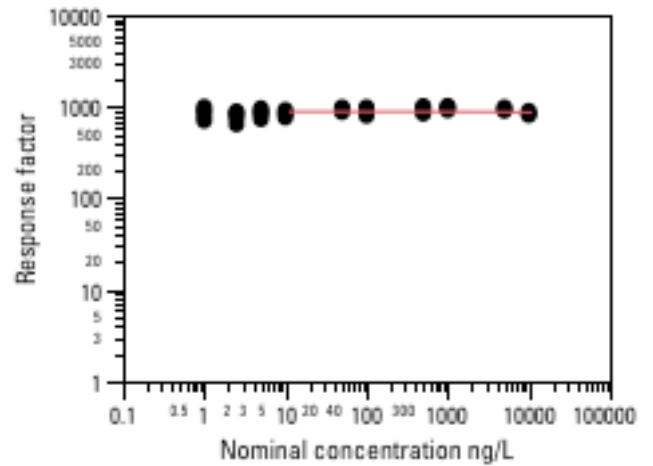
Linear fit: Response factor =  $1032.9105 - 0.0042419 \cdot \text{Nominal concentration ng/L}$

Parent=Terbufos, Compound Name=Terbufos sulfone



Linear fit: Response factor =  $65.056989 + 0.0001503 \cdot \text{Nominal concentration ng/L}$

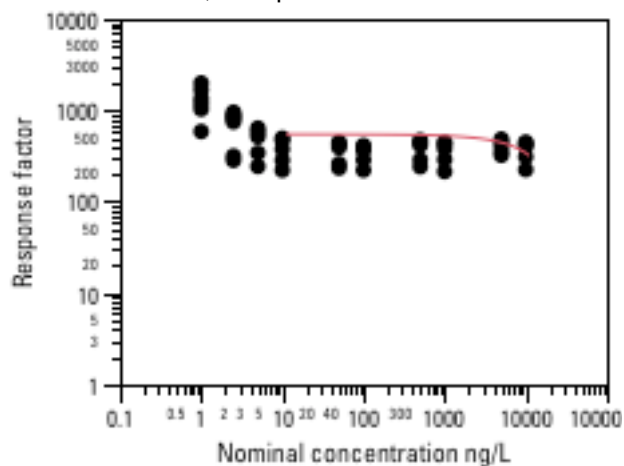
Parent=Tribuphos, Compound Name=Tribuphos



Linear fit: Response factor =  $881.20828 - 0.001428 \cdot \text{Nominal concentration ng/L}$

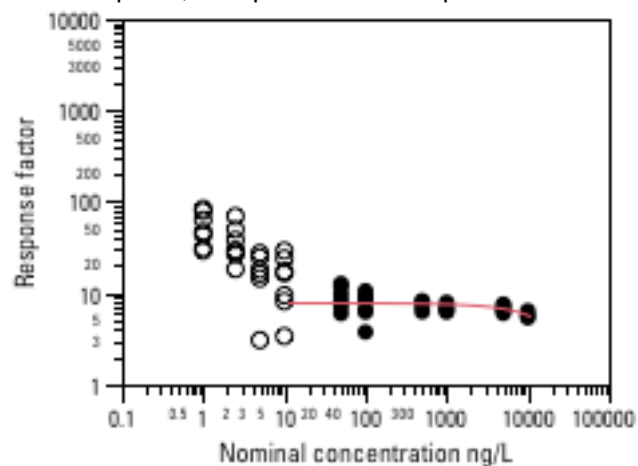
## Pyrethroid and OC and Phenylpyrazines

Parent=Bifenthrin, Compound Name=Bifenthrin



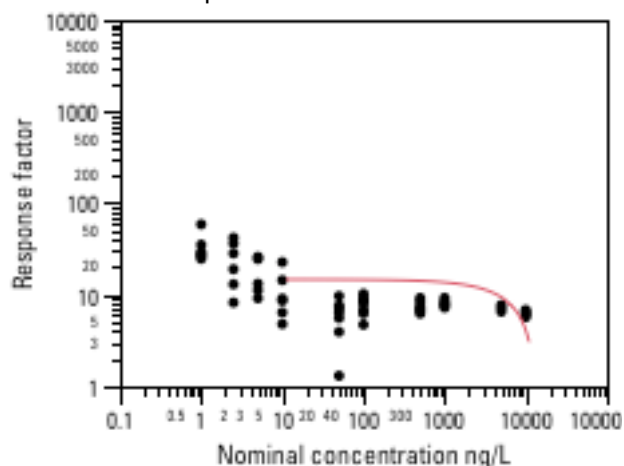
Linear fit: Response factor =  $549.06241 - 0.020694 \cdot \text{Nominal concentration ng/L}$

Parent=Fipronil, Compound Name=Fipronil



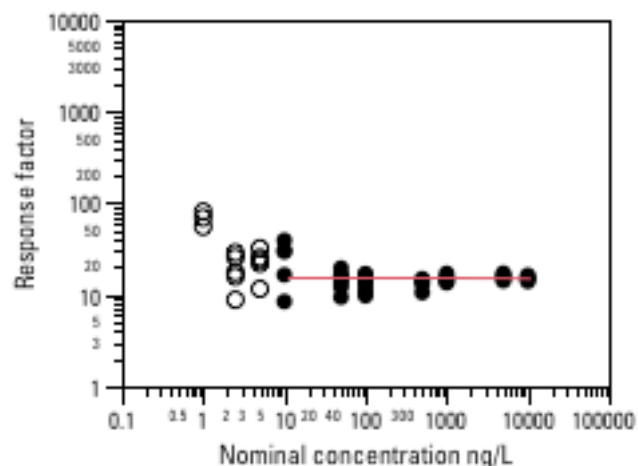
Linear fit: Response factor =  $7.7598631 - 0.0002038 \cdot \text{Nominal concentration ng/L}$   
(Analyte was removed from ESI+ mode)

Parent=Fipronil, Compound Name=Dechlorofipronil



Linear fit: Response factor =  $14.726126 - 0.0010614 \cdot \text{Nominal concentration ng/L}$

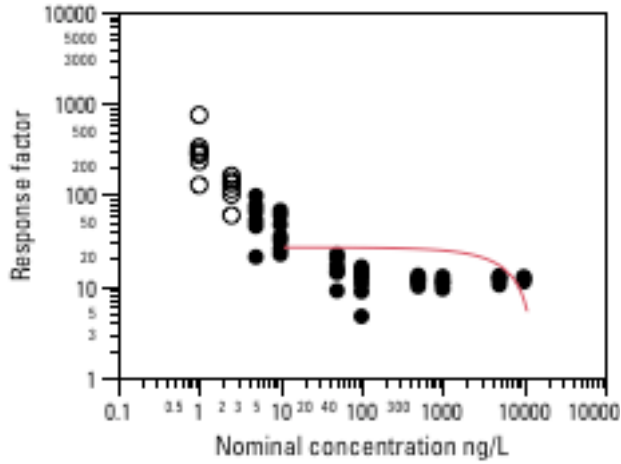
Parent=Fipronil, Compound Name=Fipronil amide



Linear fit: Response factor =  $15.233578 - 2.7047e-5 \cdot \text{Nominal concentration ng/L}$   
(Analyte was removed from ESI+ mode)

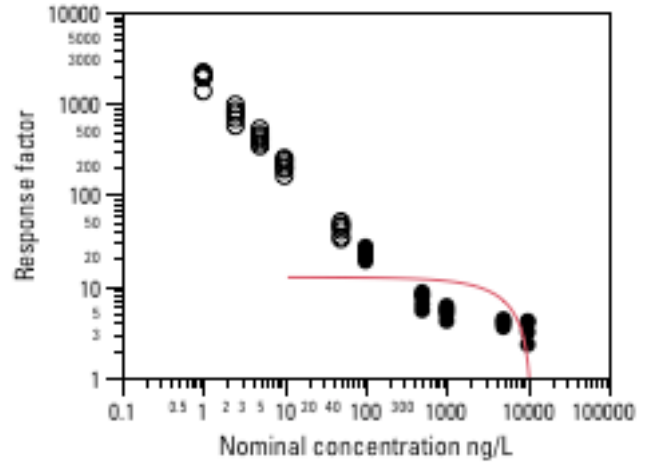


Parent=Fipronil, Compound Name=Fipronil sulfide



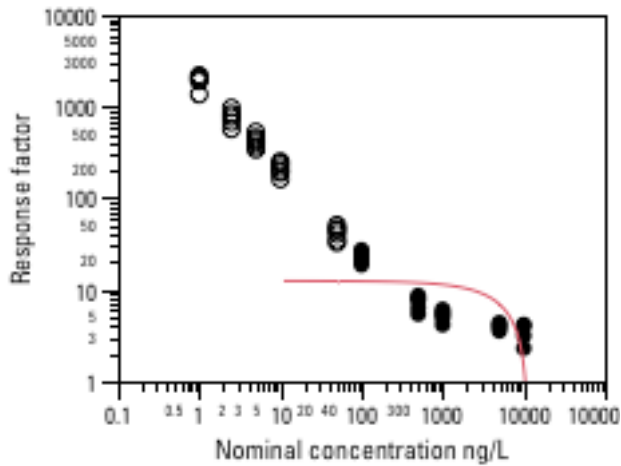
Linear fit: Response factor =  $26.546425 - 0.0019327 \cdot \text{Nominal concentration ng/L}$   
(Analyte was removed from ESI+ mode)

Parent=Permethrin, Compound Name=trans-Permethrin



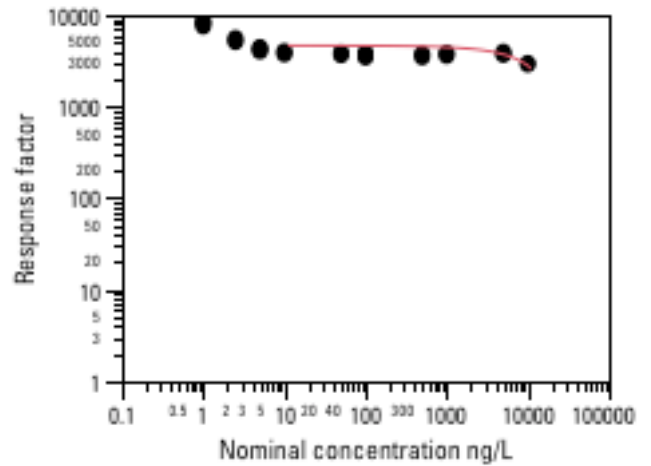
Linear fit: Response factor =  $12.499421 - 0.0011058 \cdot \text{Nominal concentration ng/L}$

Parent=Permethrin, Compound Name=cis-Permethrin



Linear fit: Response factor =  $12.497556 - 0.0011042 \cdot \text{Nominal concentration ng/L}$

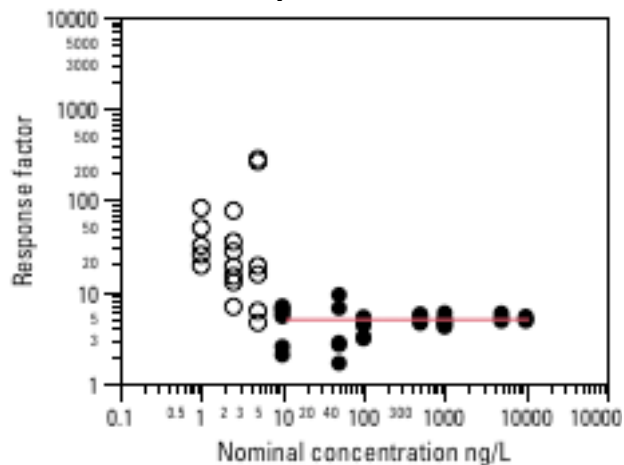
Parent=Piperonyl butoxide, Compound Name=Piperonyl butoxide



Linear fit: Response factor =  $4639.984 - 0.1834141 \cdot \text{Nominal concentration ng/L}$

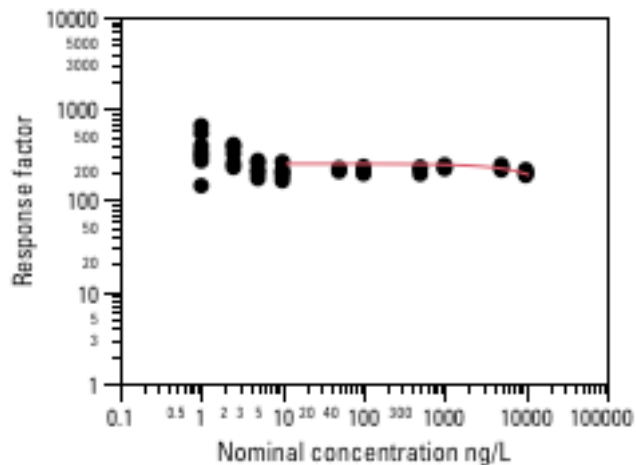
## Sulfonylurea and Urea

Parent=Chlorimuron-ethyl, Compound Name=Chlorimuron-ethyl



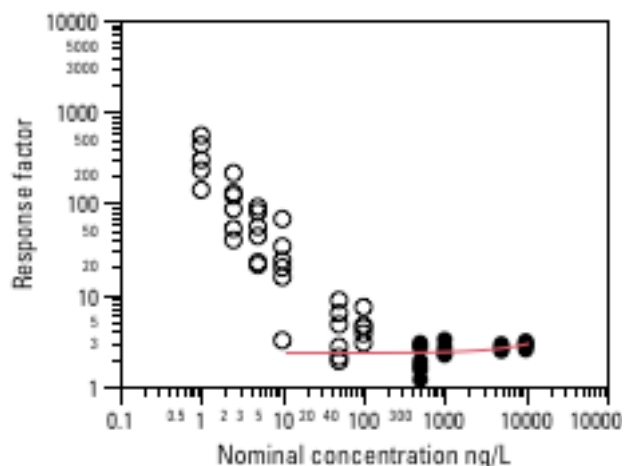
Linear fit: Response factor =  $4.9599403 + 1.9971e-6 \cdot \text{Nominal concentration ng/L}$

Parent=Diflubenzuron, Compound Name=Diflubenzuron



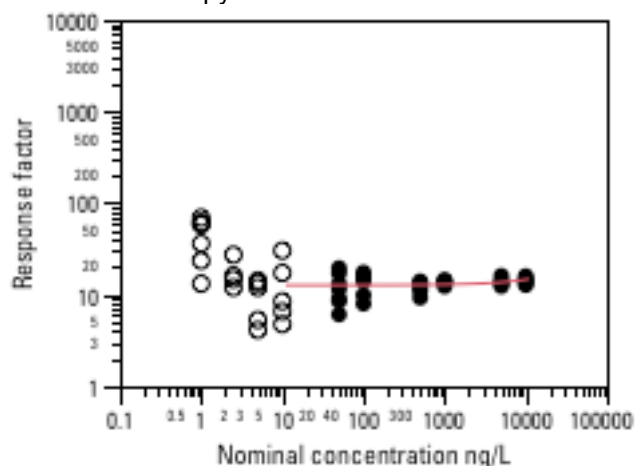
Linear fit: Response factor =  $249.79802 - 0.0055883 \cdot \text{Nominal concentration ng/L}$

Parent=Chlorsulfuron, Compound Name=Chlorsulfuron



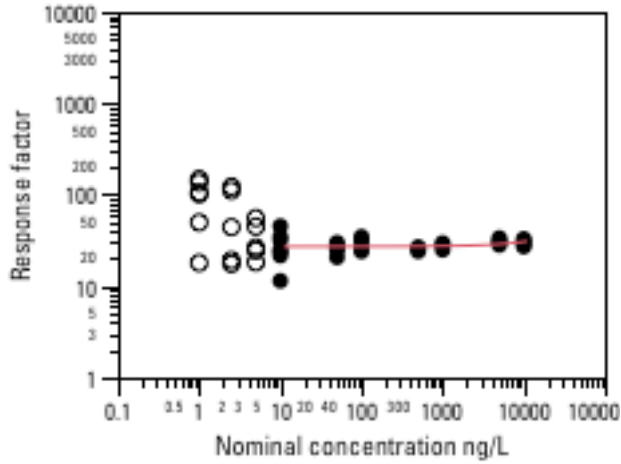
Linear fit: Response factor =  $2.3103693 + 5.6618e-5 \cdot \text{Nominal concentration ng/L}$

Parent=Diflufenzopyr, Compound Name=Diflufenzopyr



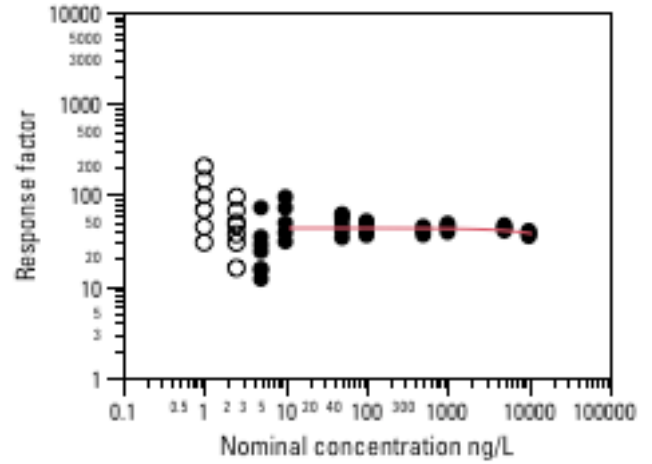
Linear fit: Response factor =  $12.743458 + 0.0001942 \cdot \text{Nominal concentration ng/L}$   
(Analyte was removed from ESI+ mode)

Parent=Diflufenzopyr, Compound Name=Hydroxyphthalazinone



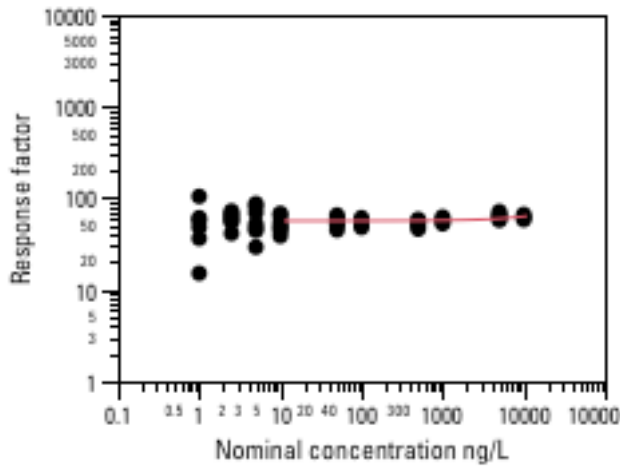
Linear fit: Response factor = 27.125541 + 0.0003532\*Nominal concentration ng/L

Parent=Diuron, Compound Name=3,4-Dichlorophenylurea



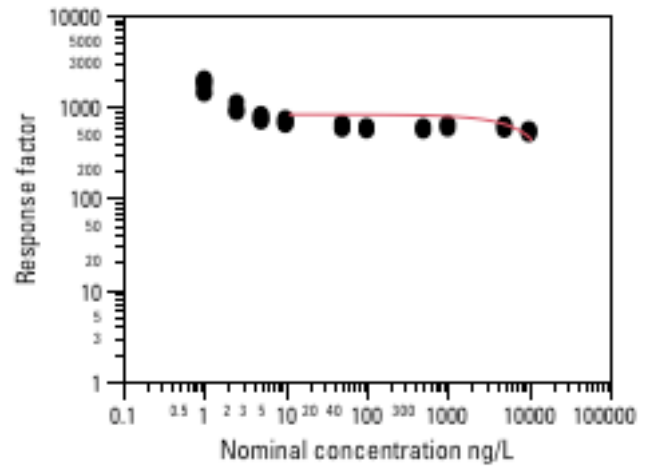
Linear fit: Response factor = 43.16765 - 0.0005129\*Nominal concentration ng/L

Parent=Diflufenzopyr, Compound Name=Phthalazinone



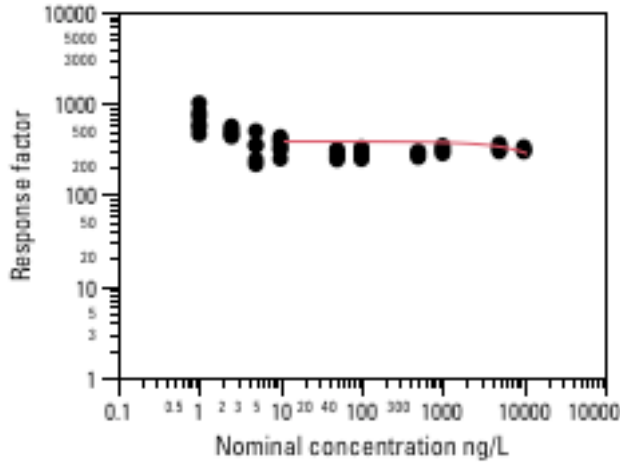
Linear fit: Response factor = 56.561866 + 0.0006674\*Nominal concentration ng/L

Parent=Diuron, Compound Name=Diuron



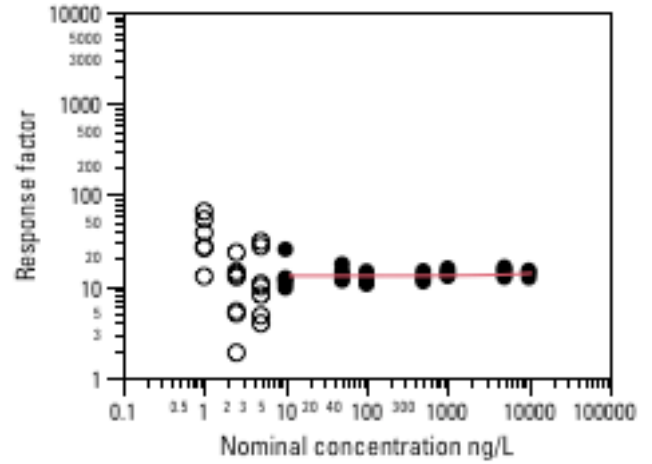
Linear fit: Response factor = 820.59105 - 0.035408\*Nominal concentration ng/L

Parent=Diuron, Compound Name=N-(3,4-Dichlorophenyl)-N-methylurea



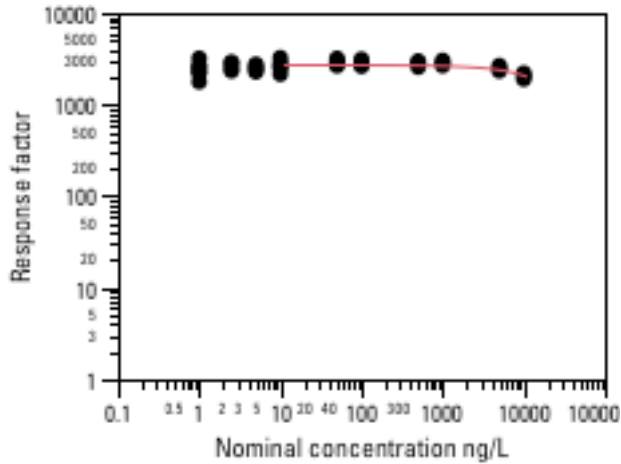
Linear fit: Response factor = 382.53047 - 0.0091613\*Nominal concentration ng/L

Parent=Fluometuron, Compound Name=4-Hydroxy-tert-fluometuron



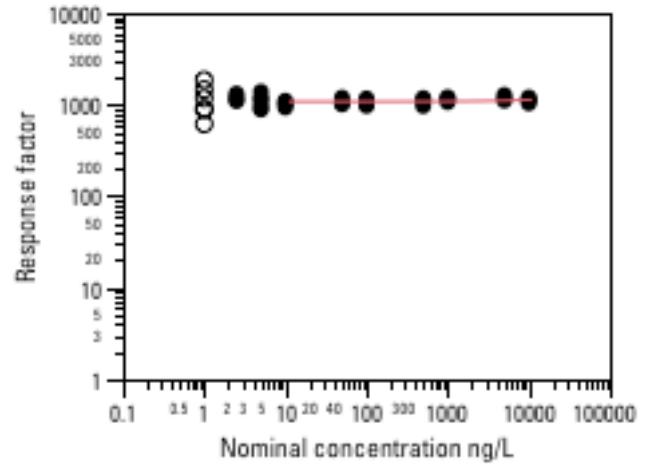
Linear fit: Response factor = 12.97134 + 7.978e-5\*Nominal concentration ng/L

Parent=fluometuron, Compound Name=Demethyl fluometuron



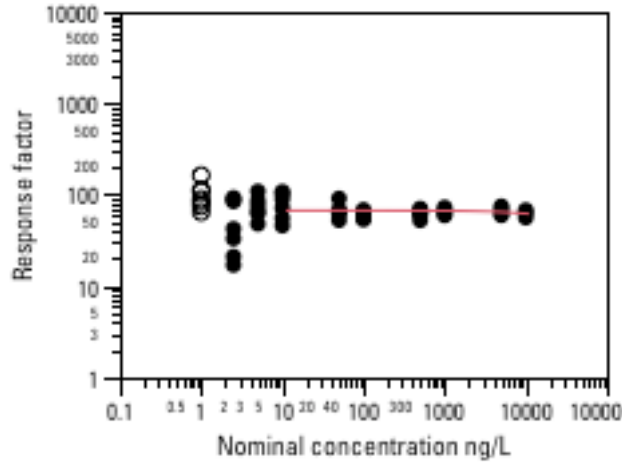
Linear fit: Response factor = 2698.4701 - 0.0625065\*Nominal concentration ng/L

Parent=Fluometuron, Compound Name=Fluometuron



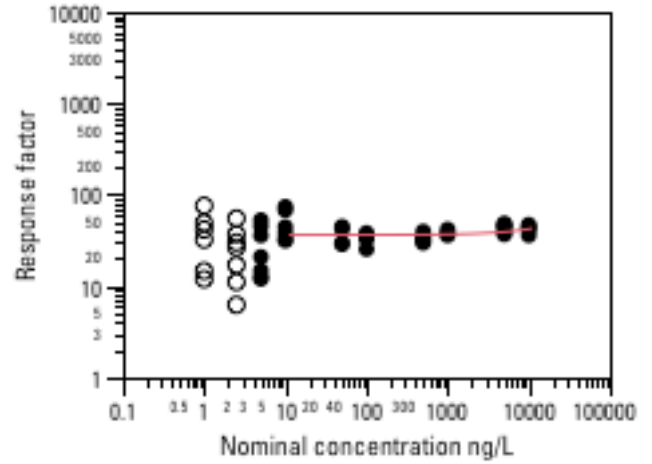
Linear fit: Response factor = 1080.0227 + 0.0047802\*Nominal concentration ng/L

Parent=Fluometuron, Compound  
Name=Hydroxy mono demethyl fluometuron



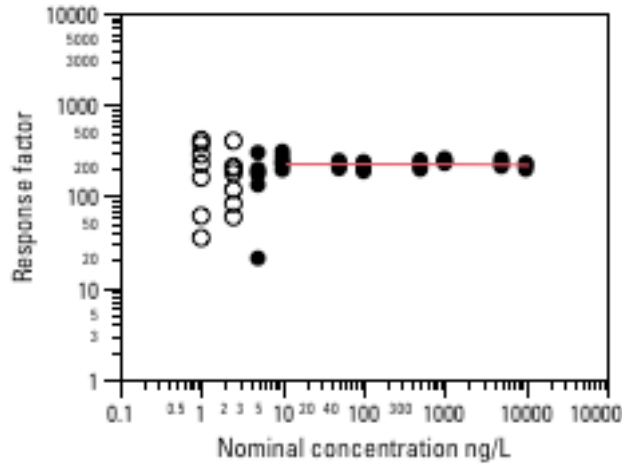
Linear fit: Response factor =  $67.294347 - 0.0005081 \cdot \text{Nominal concentration ng/L}$

Parent=Halosulfuron, Compound  
Name=Halosulfuron-methyl



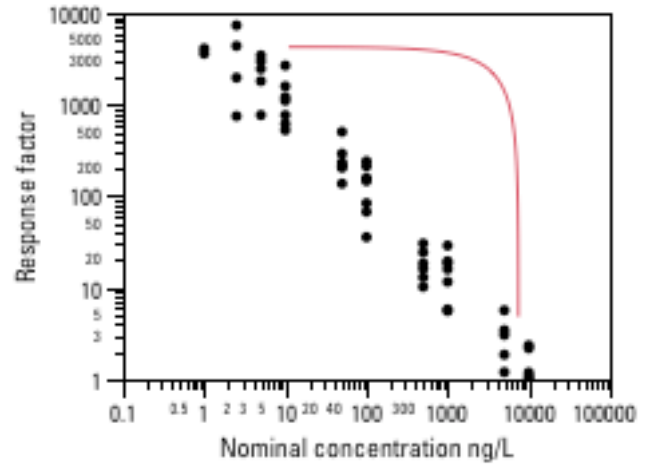
Linear fit: Response factor =  $36.334242 + 0.0005889 \cdot \text{Nominal concentration ng/L}$

Parent=Fluometuron, Compound  
Name=Hydroxyfluometuron



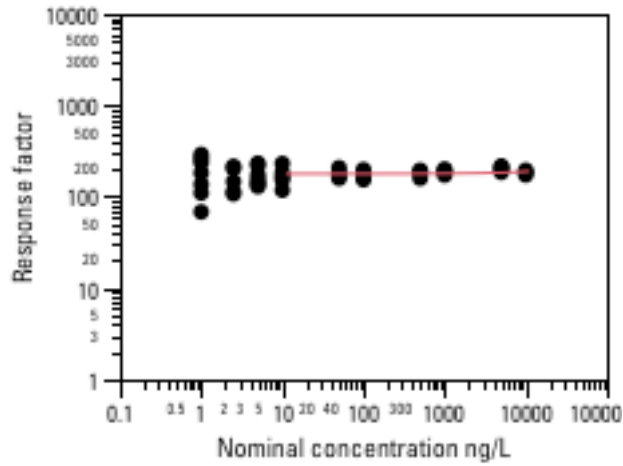
Linear fit: Response factor =  $223.05404 - 0.0005262 \cdot \text{Nominal concentration ng/L}$

Parent=Halosulfuron-methyl, Compound  
Name=Chlorosulfonamide acid



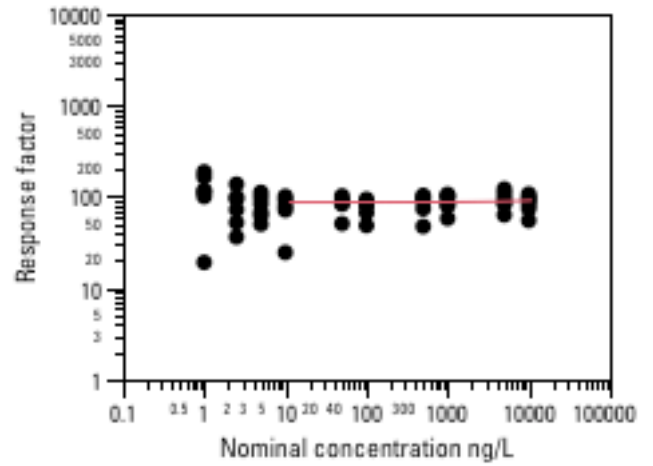
Linear fit: Response factor =  $4260.9455 - 0.569606 \cdot \text{Nominal concentration ng/L}$

Parent=Linuron, Compound Name=Linuron



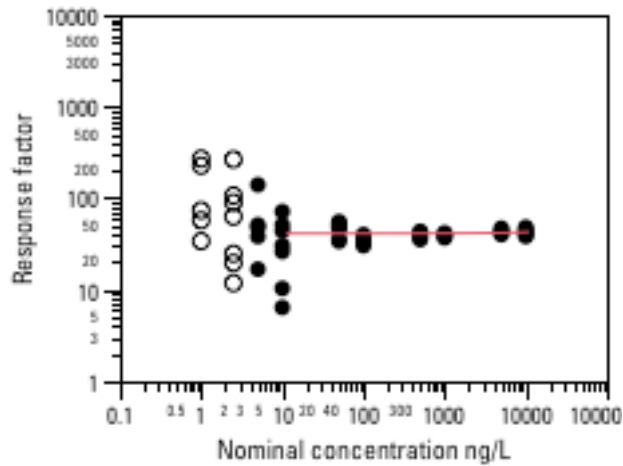
Linear fit: Response factor = 178.25261 + 0.0011154\*Nominal concentration ng/L

Parent=Novaluron, Compound Name=Novaluron



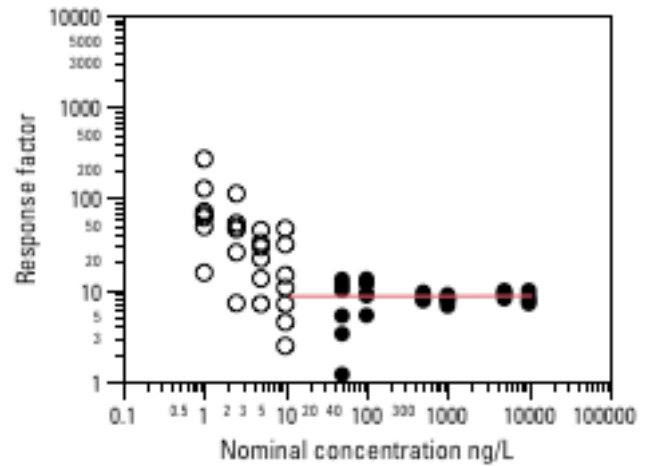
Linear fit: Response factor = 87.207179 + 0.000379\*Nominal concentration ng/L

Parent=Nicosulfuron, Compound Name=Nicosulfuron



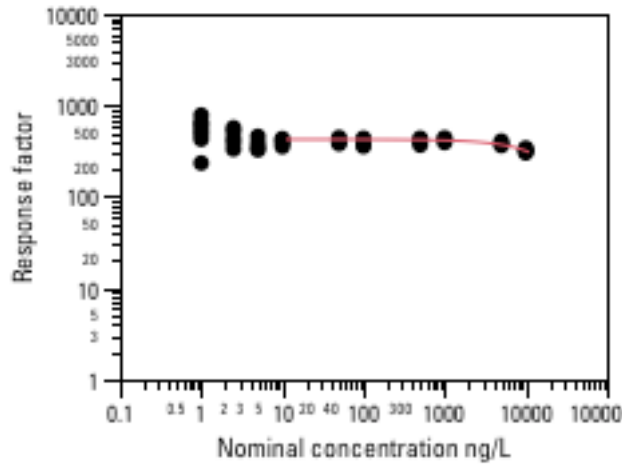
Linear fit: Response factor = 41.092258 + 0.0001607\*Nominal concentration ng/L

Parent=Orthosulfamuron, Compound Name=Orthosulfamuron



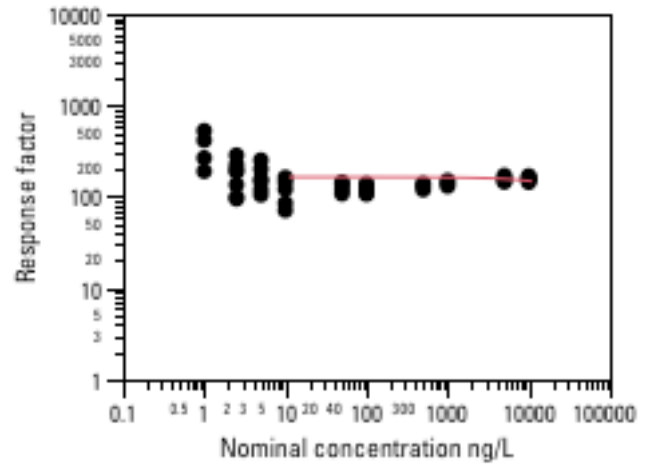
Linear fit: Response factor = 8.4994509 + 7.435e-6\*Nominal concentration ng/L

Parent=Siduron, Compound Name=Siduron



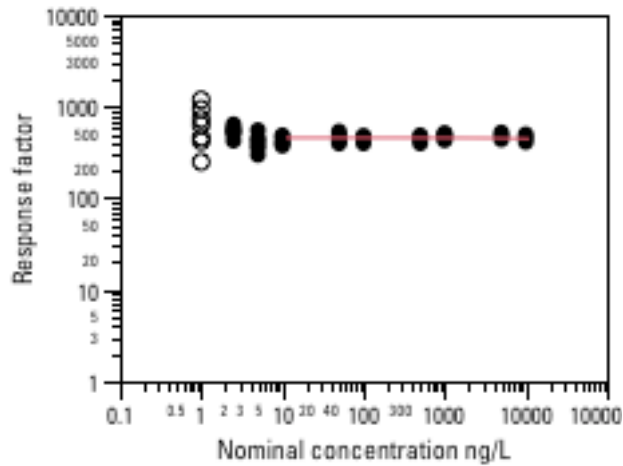
Linear fit: Response factor = 424.9653 - 0.0106451\*Nominal concentration ng/L

Parent=Sulfosulfuron, Compound Name=Sulfosulfuron



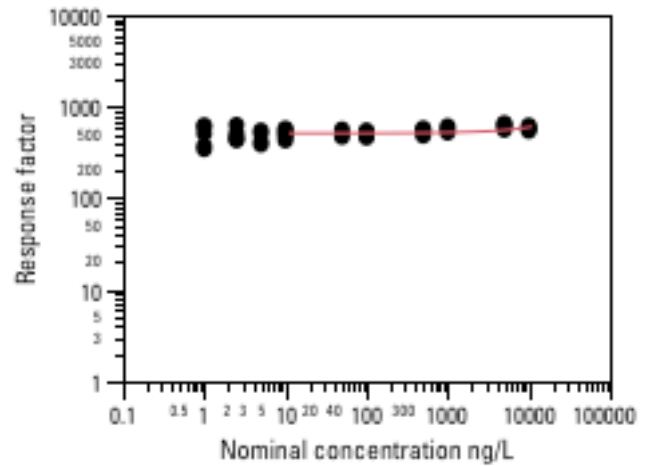
Linear fit: Response factor = 164.56383 - 0.0015606\*Nominal concentration ng/L

Parent=Sulfometuron-methyl, Compound Name=Sulfometuron-methyl



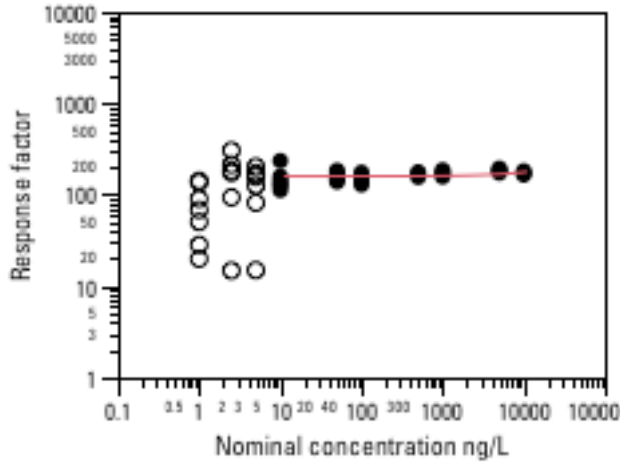
Linear fit: Response factor = 456.12812 - 0.0008229\*Nominal concentration ng/L

Parent=Sulfosulfuron, Compound Name=Sulfosulfuron ethyl sulfone



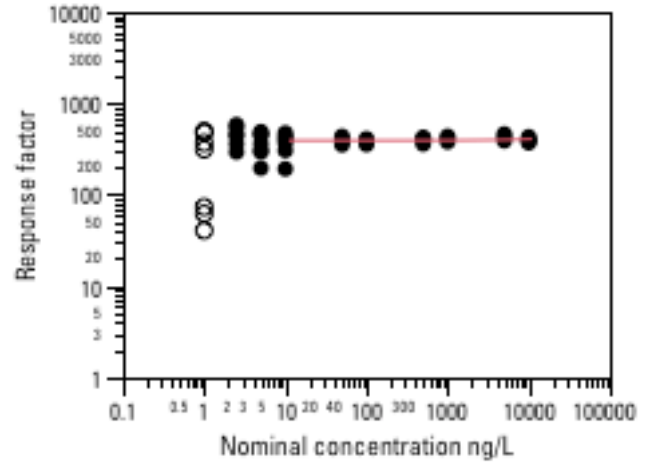
Linear fit: Response factor = 512.56467 + 0.0082901\*Nominal concentration ng/L

Parent=Tebuthiuron, Compound Name=Hydroxytebuthurion



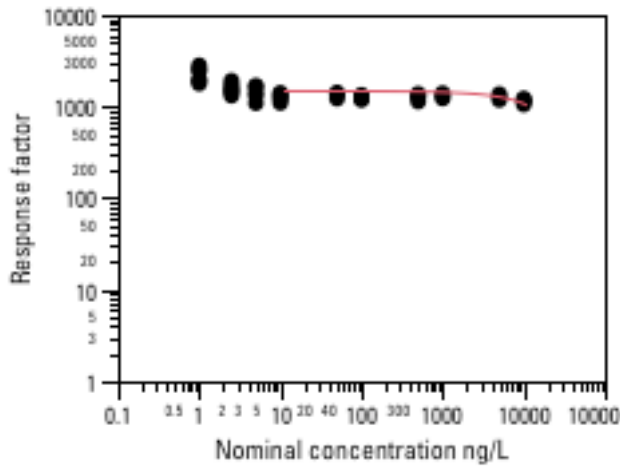
Linear fit: Response factor = 159.53101 + 0.0017242\*Nominal concentration ng/L

Parent=Tebuthiuron, Compound Name=Tebuthiuron TP 104



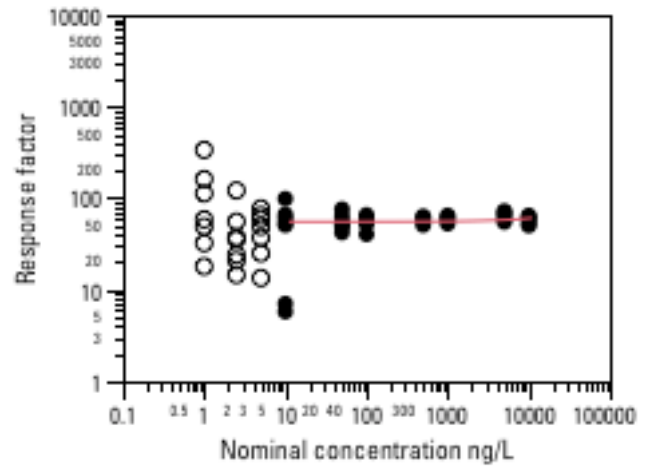
Linear fit: Response factor = 393.06767 + 0.0012216\*Nominal concentration ng/L

Parent=Tebuthiuron, Compound Name=Tebuthiuron



Linear fit: Response factor = 1475.3195 - 0.0400423\*Nominal concentration ng/L

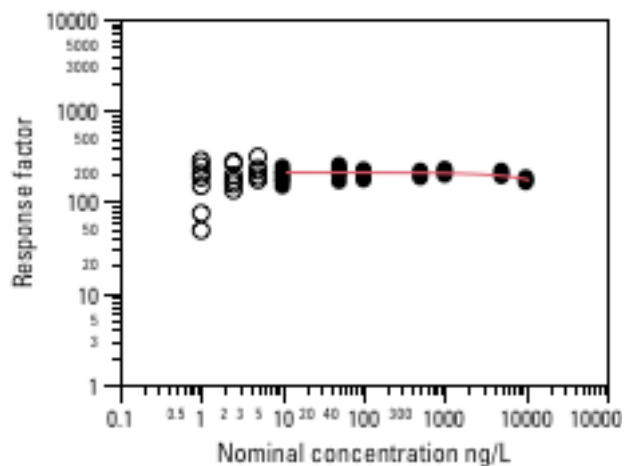
Parent=Tebuthiuron, Compound Name=Tebuthiuron TP 106



Linear fit: Response factor = 55.41086 + 0.0004901\*Nominal concentration ng/L

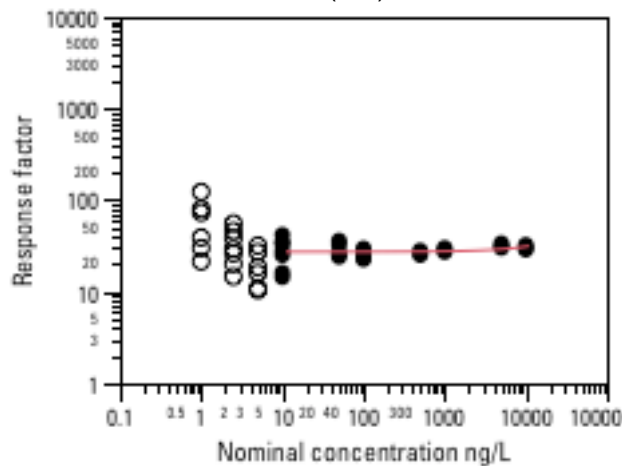


Parent=Tebuthiuron, Compound  
Name=Tebuthiuron TP 108



Linear fit: Response factor = 208.43191 -  
0.0031836\*Nominal concentration ng/L

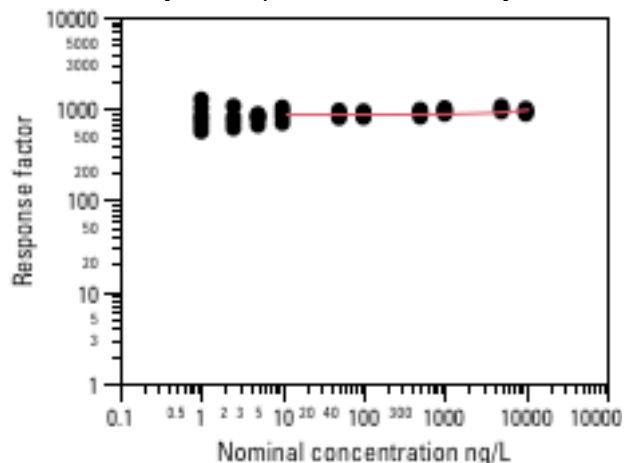
Parent=Tebuthiuron, Compound  
Name=Tebuthiuron TP 109 (OH)



Linear fit: Response factor = 27.268402 +  
0.0003901\*Nominal concentration ng/L

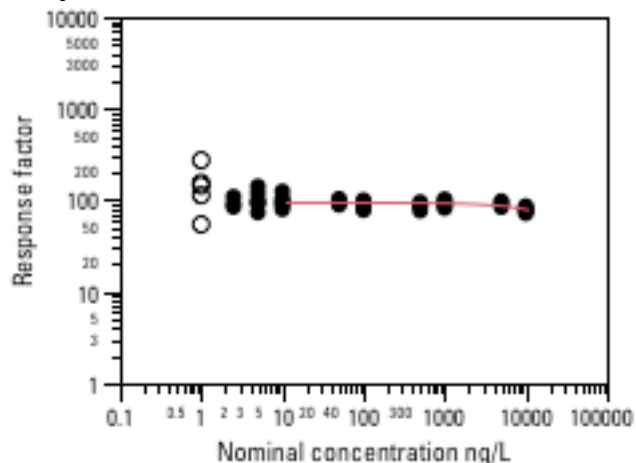
## Triazines

Parent=Ametryn, Compound Name=Ametryn



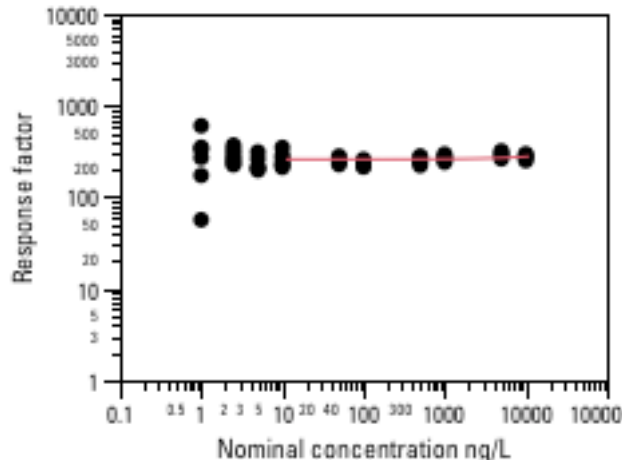
Linear fit: Response factor =  $857.02573 + 0.0101891 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=2-Hydroxy-6-ethylamino-4-amino-s-triazine



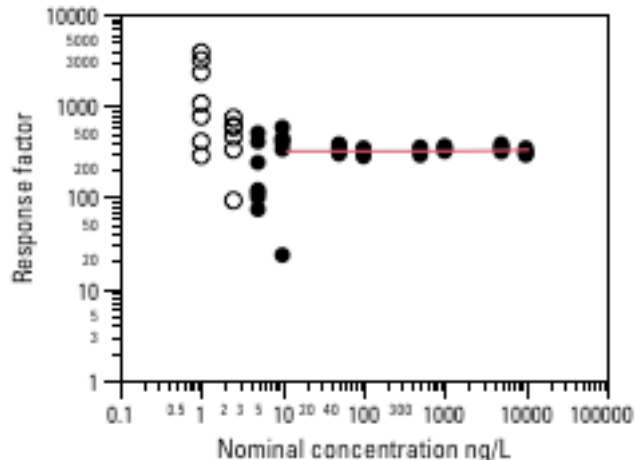
Linear fit: Response factor =  $93.769167 - 0.0014613 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=2-Hydroxy-4-isopropylamino-6-amino-s-triazine



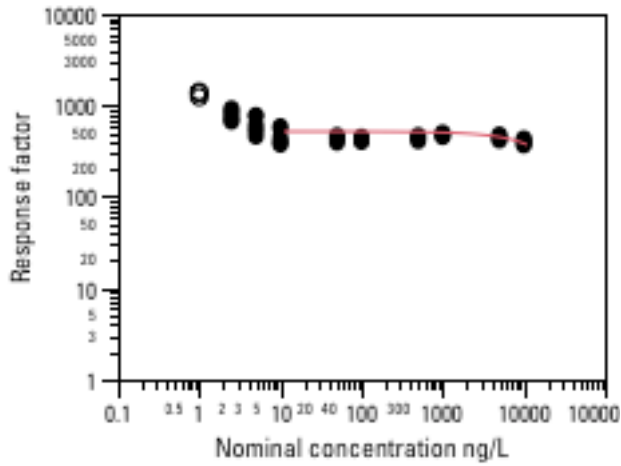
Linear fit: Response factor =  $259.44355 + 0.0018144 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=2-Hydroxyatrazine



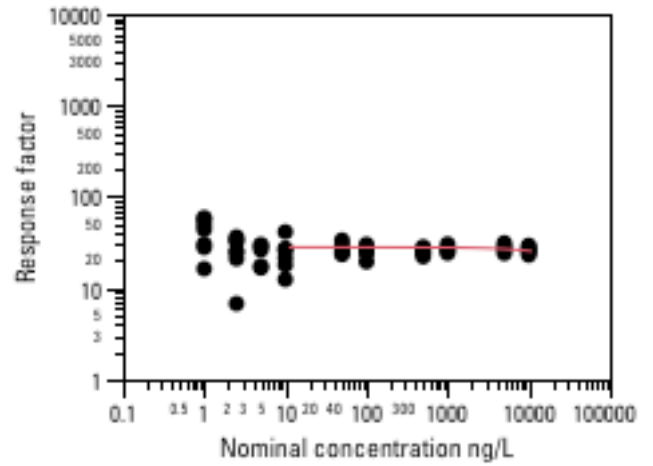
Linear fit: Response factor =  $317.50783 + 0.0011097 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=Atrazine



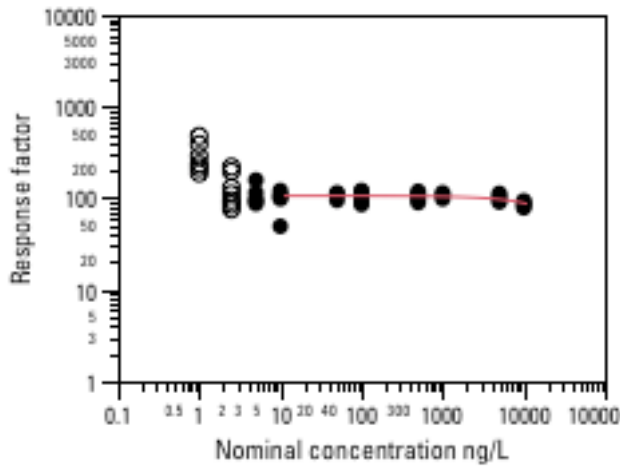
Linear fit: Response factor =  $518.36771 - 0.0133726 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=Deisopropylatrazine



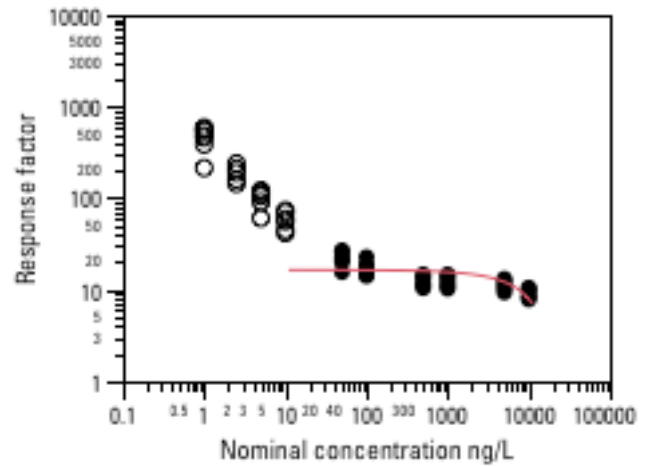
Linear fit: Response factor =  $28.081746 - 0.0002472 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=Deethylatrazine



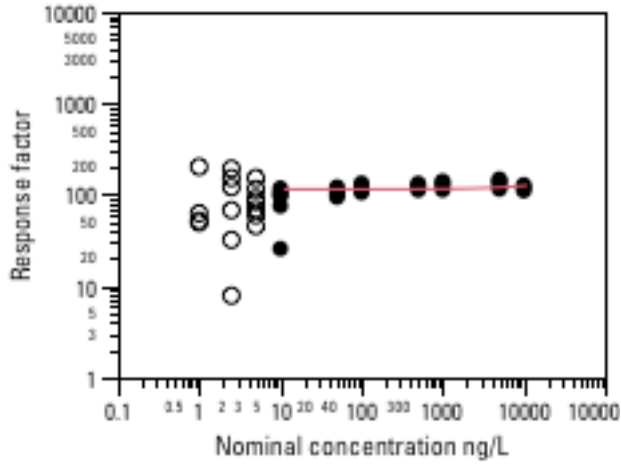
Linear fit: Response factor =  $106.05003 - 0.0017461 \cdot \text{Nominal concentration ng/L}$

Parent=Atrazine, Compound Name=Didealkylatrazine



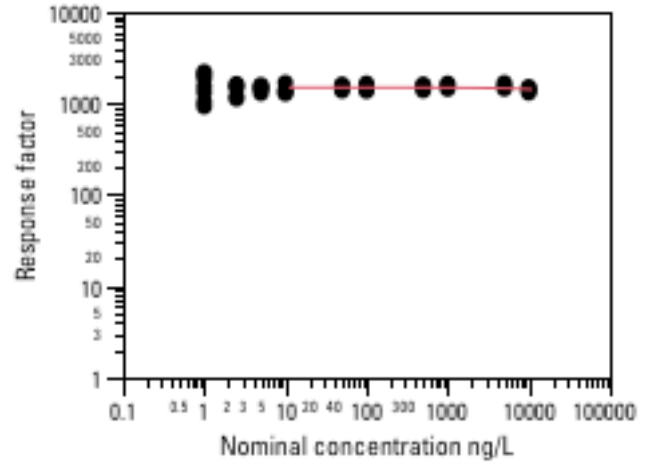
Linear fit: Response factor =  $16.47981 - 0.000854 \cdot \text{Nominal concentration ng/L}$

Parent=Cyanazine, Compound Name=Cyanazine



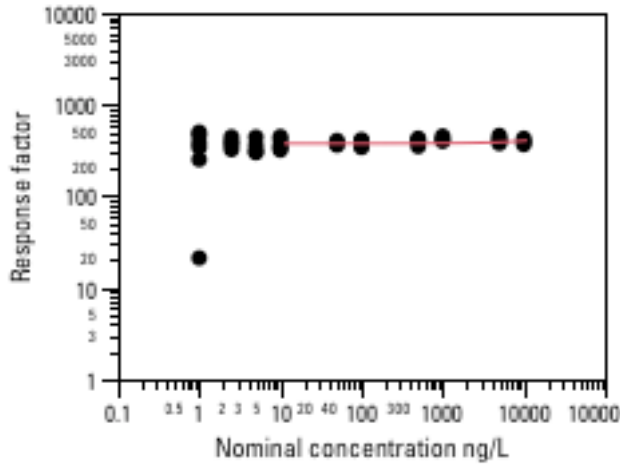
Linear fit: Response factor = 115.12539 + 0.0010546\*Nominal concentration ng/L

Parent=Hexazinone, Compound Name=Demethyl hexazinone B



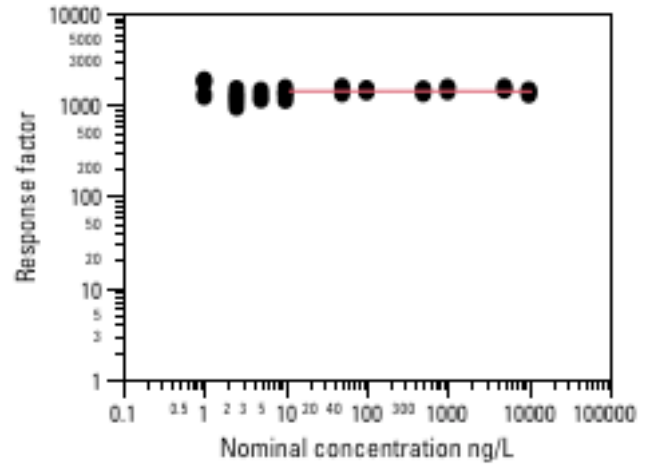
Linear fit: Response factor = 1492.9676 - 0.0064357\*Nominal concentration ng/L

Parent=Hexazinone, Compound Name=4-Hydroxyhexazinone A



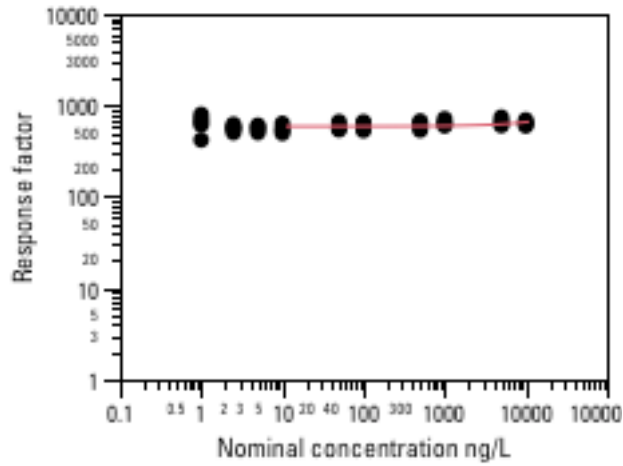
Linear fit: Response factor = 375.44267 + 0.0027081\*Nominal concentration ng/L

Parent=Hexazinone, Compound Name=Hexazinone



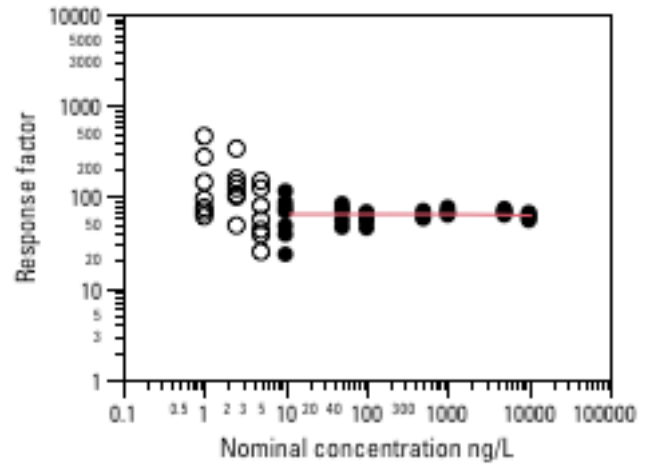
Linear fit: Response factor = 1401.7826 - 0.001061\*Nominal concentration ng/L

Parent=Hexazinone, Compound Name=Hexazinone TP C



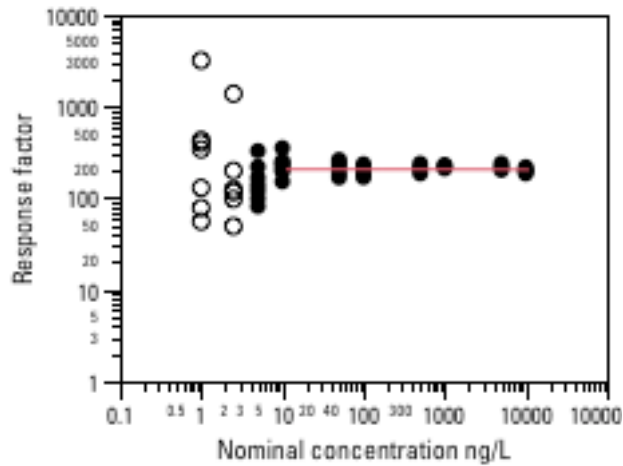
Linear fit: Response factor =  $589.54147 + 0.0066407 \cdot \text{Nominal concentration ng/L}$

Parent=Hexazinone, Compound Name=Hexazinone TP G



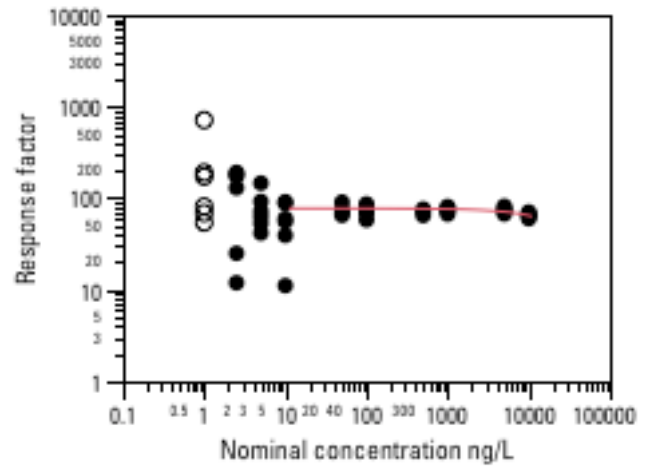
Linear fit: Response factor =  $64.461173 - 0.0002211 \cdot \text{Nominal concentration ng/L}$

Parent=Hexazinone, Compound Name=Hexazinone TP F



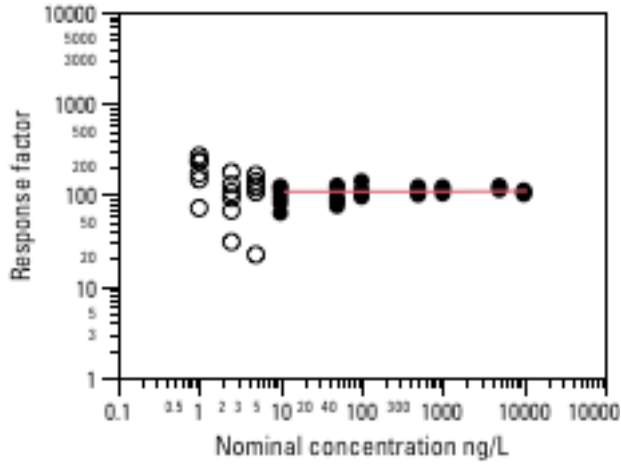
Linear fit: Response factor =  $206.12264 - 0.0001582 \cdot \text{Nominal concentration ng/L}$

Parent=Metribuzin, Compound Name=Metribuzin



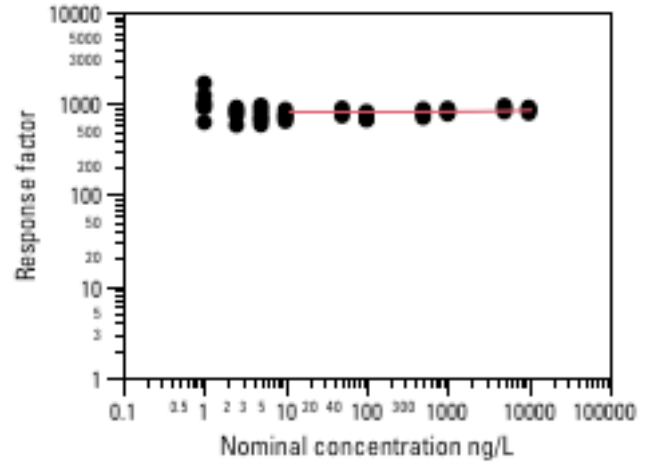
Linear fit: Response factor =  $77.419677 - 0.001268 \cdot \text{Nominal concentration ng/L}$

Parent=Metribuzin, Compound Name=Metribuzin DA



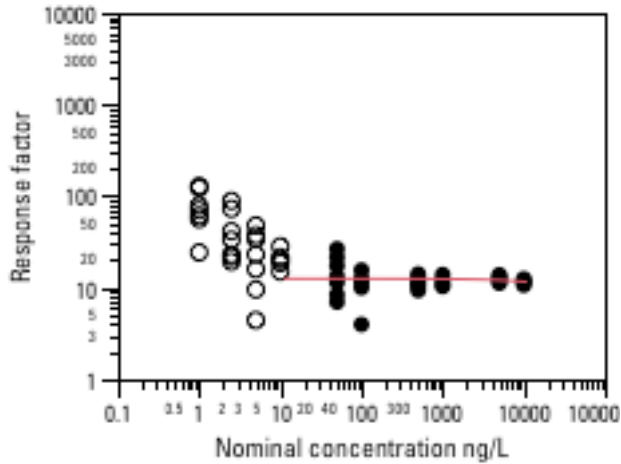
Linear fit: Response factor = 108.45948 + 0.0001967\*Nominal concentration ng/L

Parent=Prometon, Compound Name=Prometon



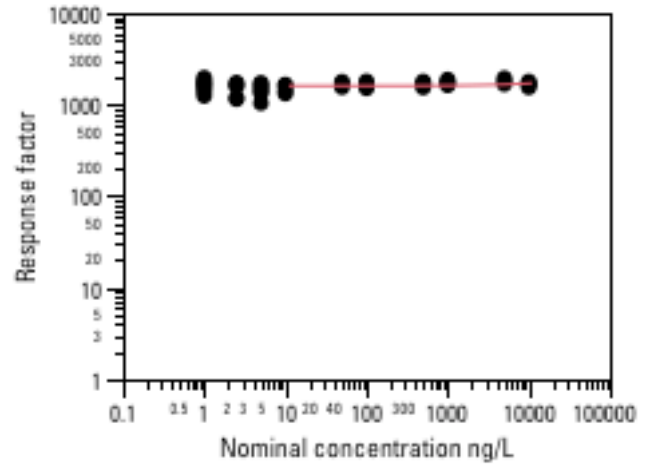
Linear fit: Response factor = 806.45056 + 0.0035239\*Nominal concentration ng/L

Parent=Metribuzin, Compound Name=Metribuzin DK



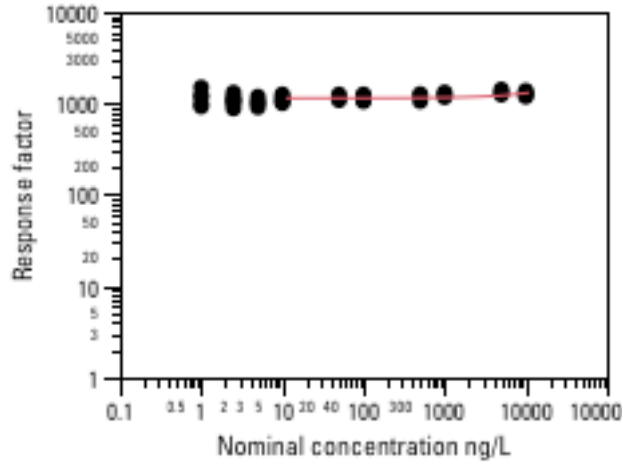
Linear fit: Response factor = 12.574906 - 9.1516e-5\*Nominal concentration ng/L  
(Analyte was removed from schedule 2437)

Parent=Prometryn, Compound Name=Deisopropyl prometryn



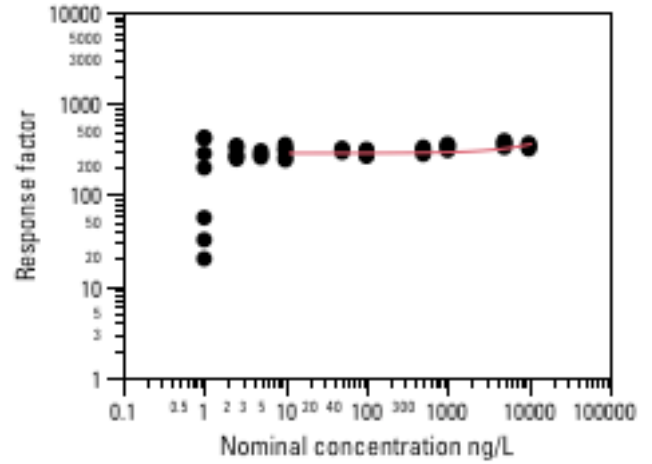
Linear fit: Response factor = 1604.6548 + 0.010237\*Nominal concentration ng/L

Parent=Prometryn, Compound Name=Prometryn



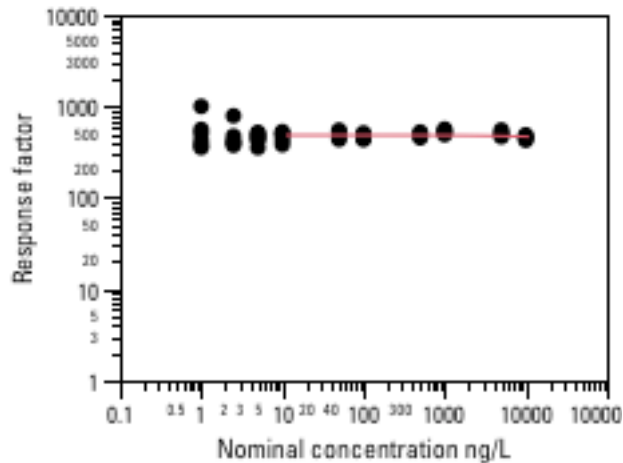
Linear fit: Response factor = 1142.0859 + 0.0154742\*Nominal concentration ng/L

Parent=Simazine, Compound Name=Hydroxysimazine



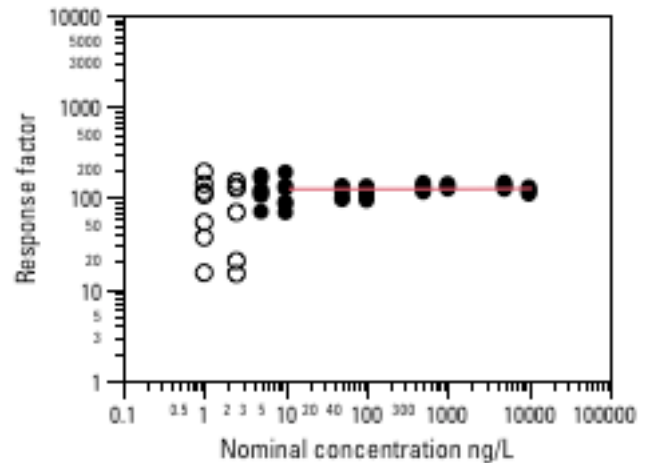
Linear fit: Response factor = 284.68362 + 0.0069729\*Nominal concentration ng/L

Parent=Propazine, Compound Name=Propazine



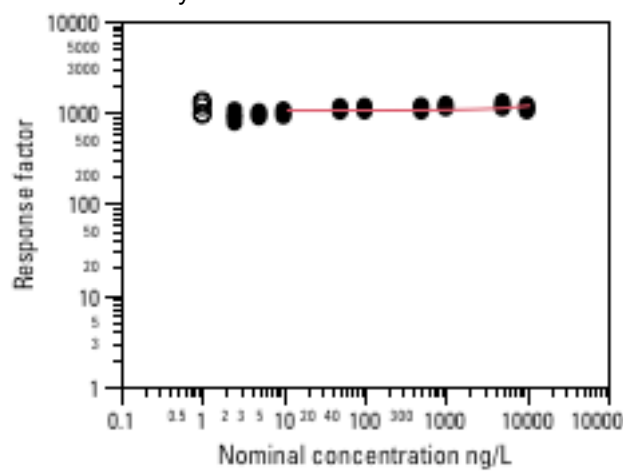
Linear fit: Response factor = 484.1914 - 0.0017991\*Nominal concentration ng/L

Parent=Simazine, Compound Name=Simazine



Linear fit: Response factor = 124.5093 + 0.000191\*Nominal concentration ng/L

Parent=Terbutylazine, Compound  
Name=Terbutylazine



Linear fit: Response factor = 1048.8507 +  
0.012663\*Nominal concentration ng/L