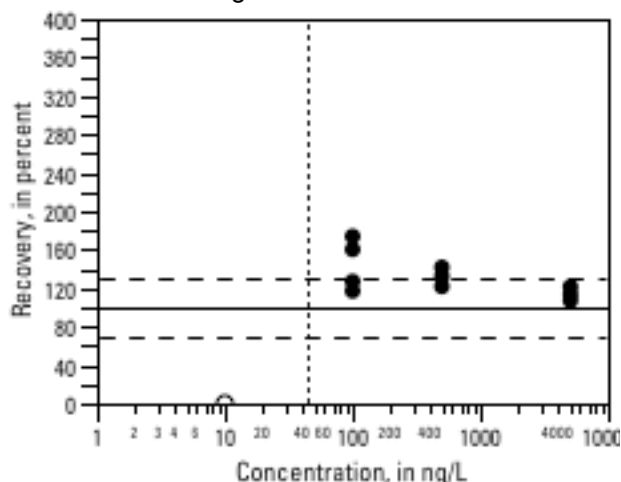


Support Figure S6. Matrix Study of Pesticide Recovery—LC-MS/MS Negative ESI Analytes

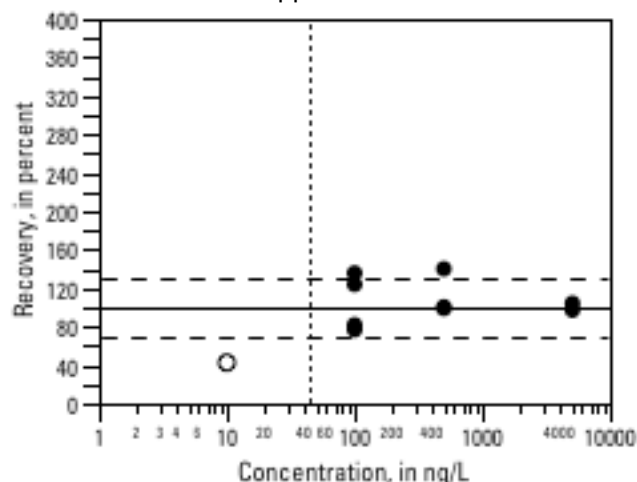
Recovery of pesticide analytes determined by liquid chromatography tandem mass spectrometry (LC-MS/MS) in negative electrospray ionization (ESI-) mode fortified at different concentrations (10, 100, 500, and 5,000 nanograms per liter [ng/L]) in four different matrices. Samples were excluded from evaluation (shown as open symbols) if the fortification concentration was less than the method detection level (MDL) or the environmental concentration. Dashed lines show study objectives of 100 ± 30 percent recovery. Dotted vertical line shows calculated MDL.

Acetanilide and Amide

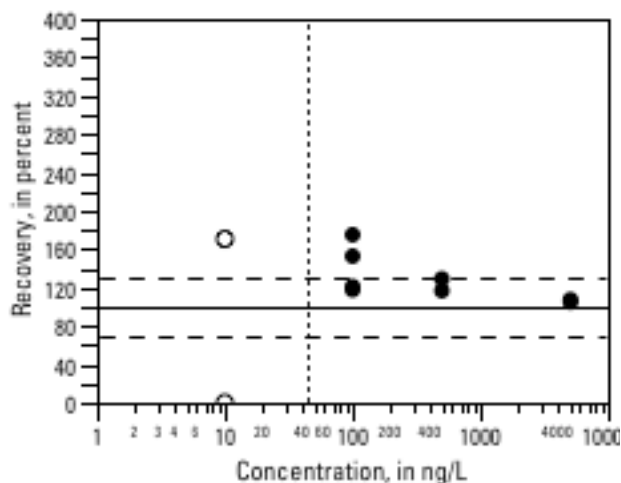
Acetochlor OA Reagent water



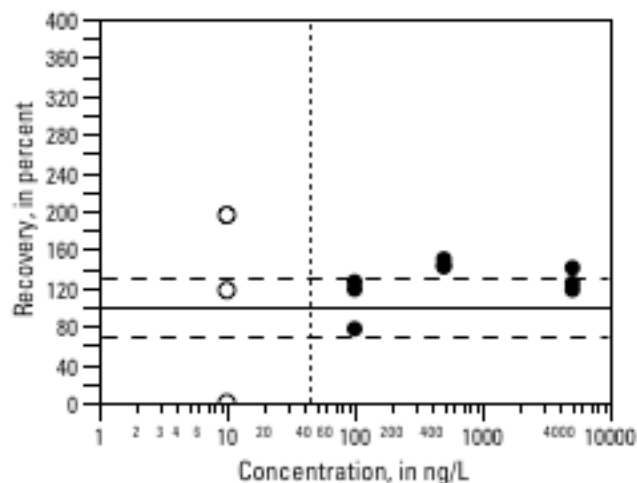
Acetochlor OA Mississippi River



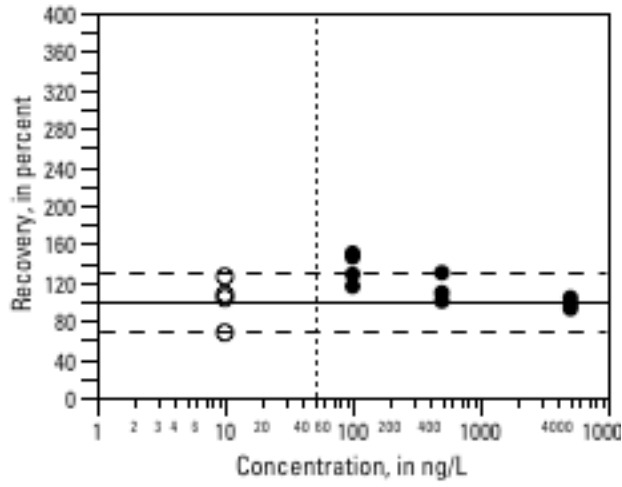
Acetochlor OA 1N/14W-8K1S



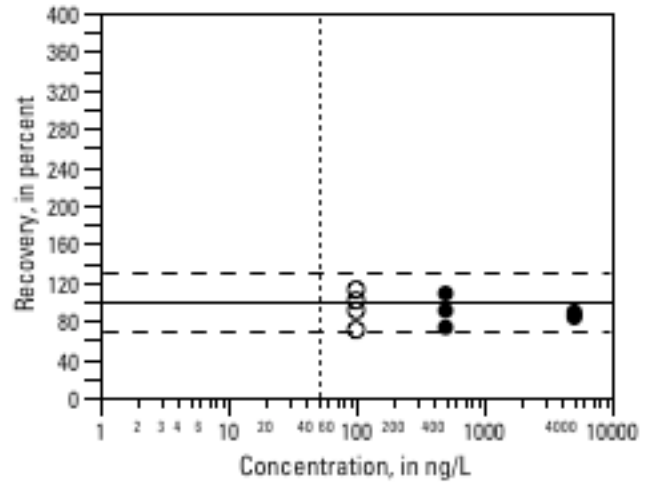
Acetochlor OA Santa Ana Prado Dam



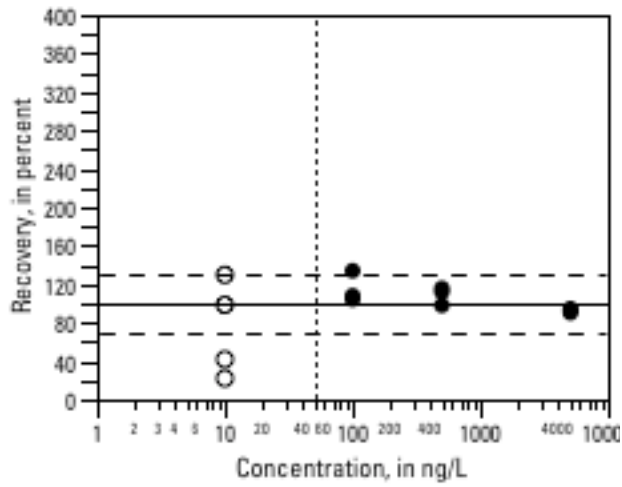
Acetochlor SA Reagent water



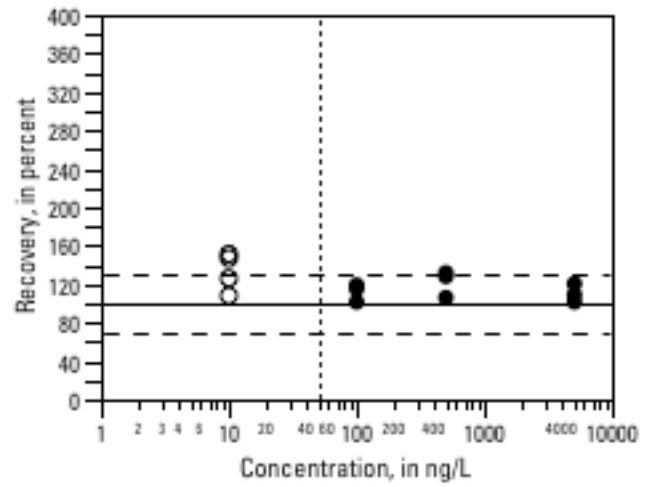
Acetochlor SA Mississippi River



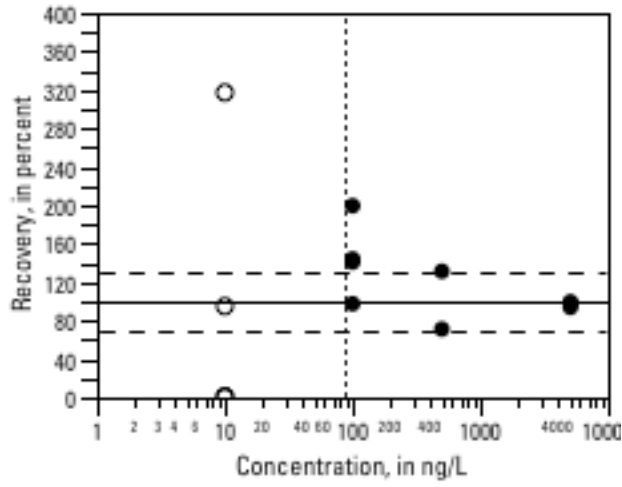
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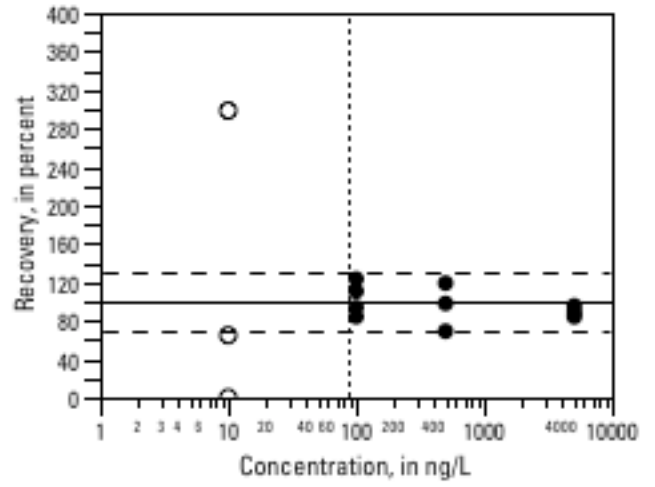
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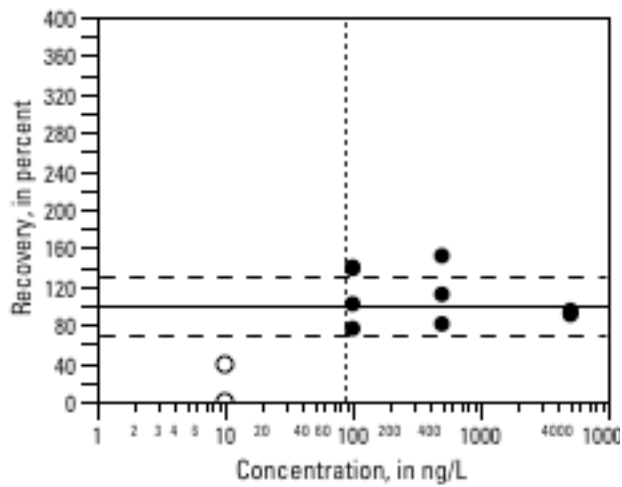
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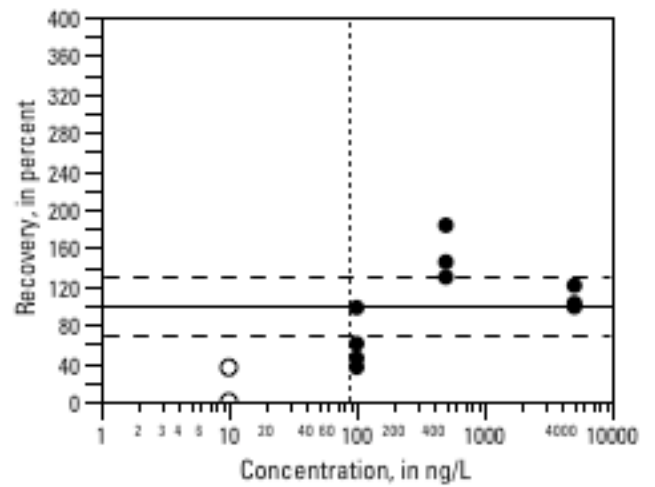
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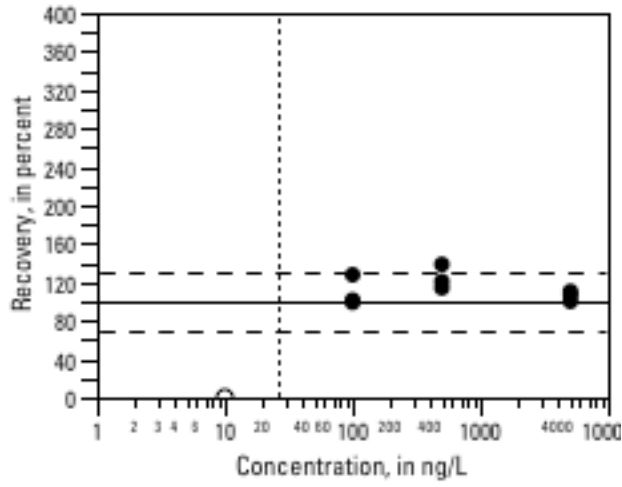
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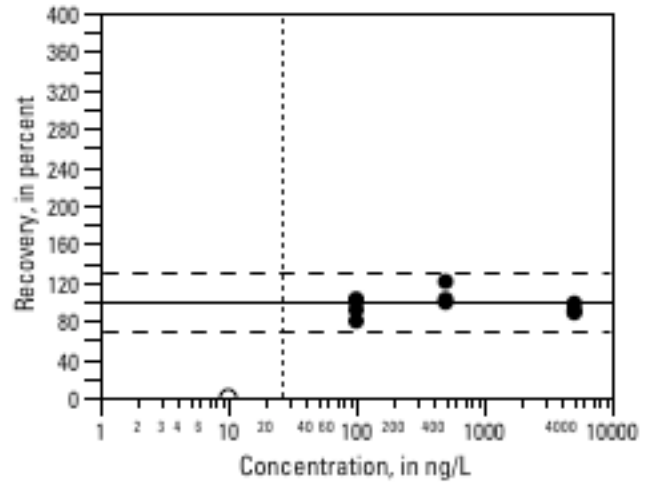
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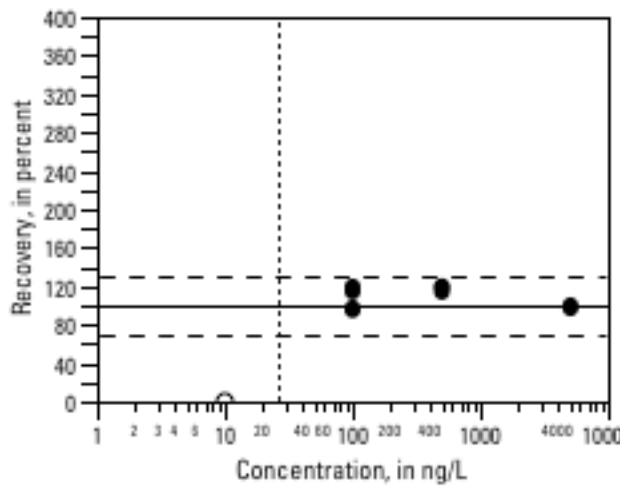
sec-Aceto chlor-OA Reagent water



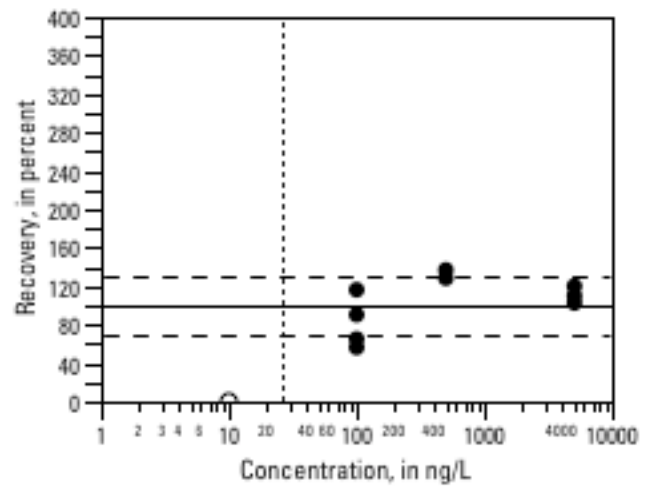
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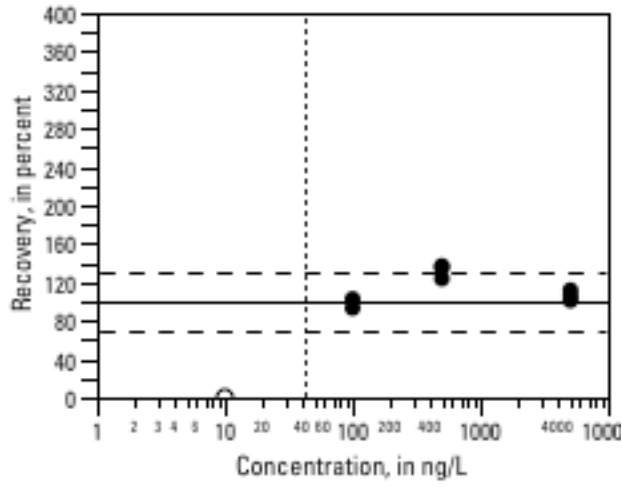
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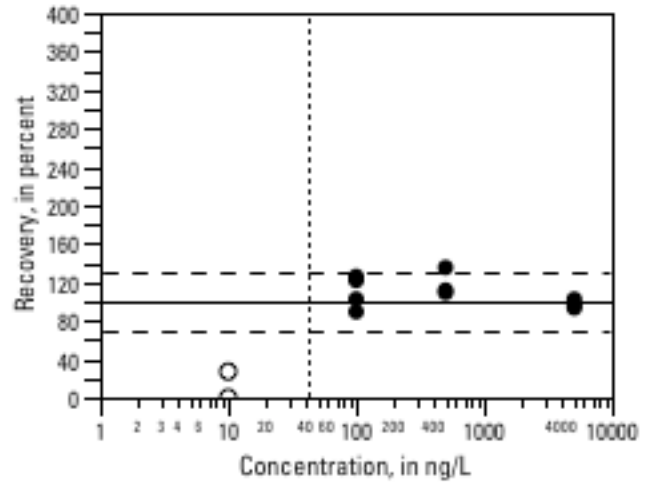
sec-Aceto chlor-OA Santa Ana Prado Dam



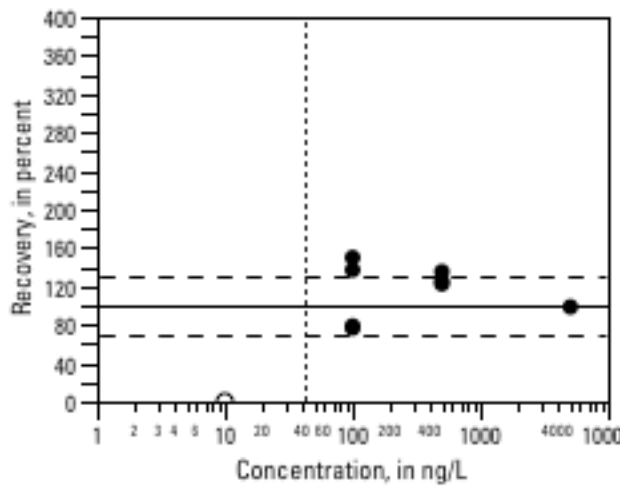
Alachlor OA Reagent water



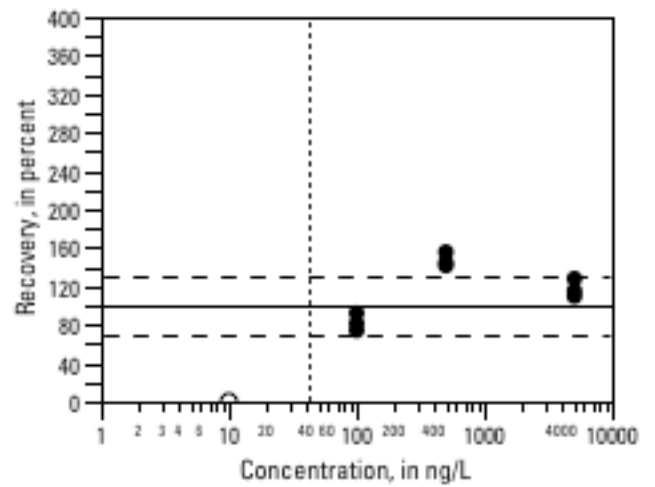
Alachlor OA Mississippi River



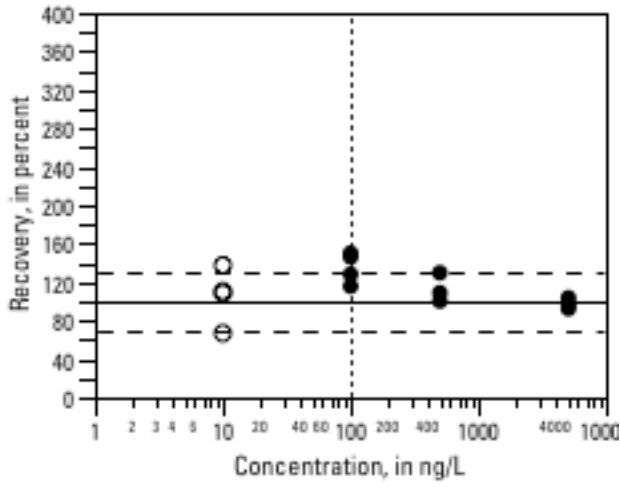
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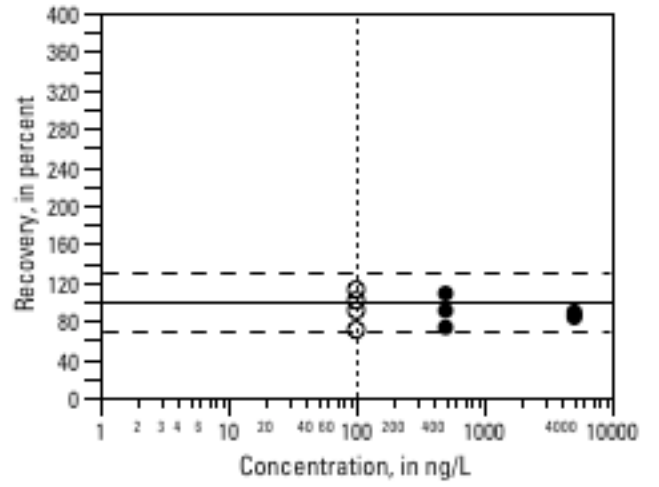
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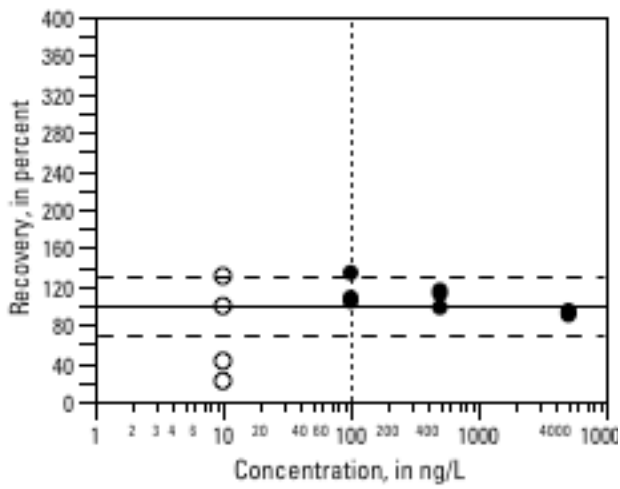
Alachlor SA Reagent water



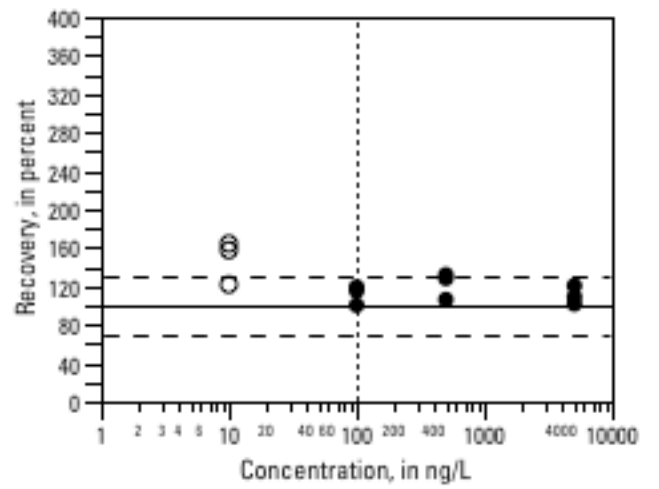
Alachlor SA Mississippi River



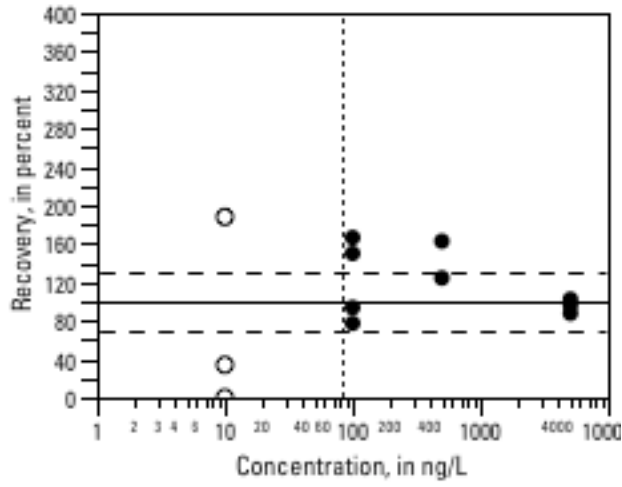
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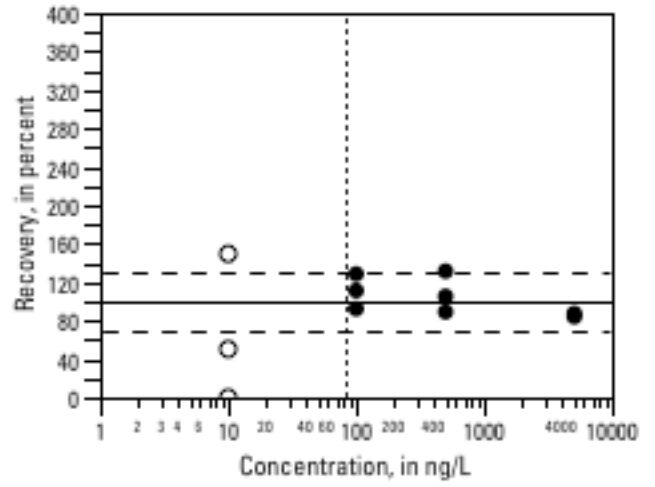
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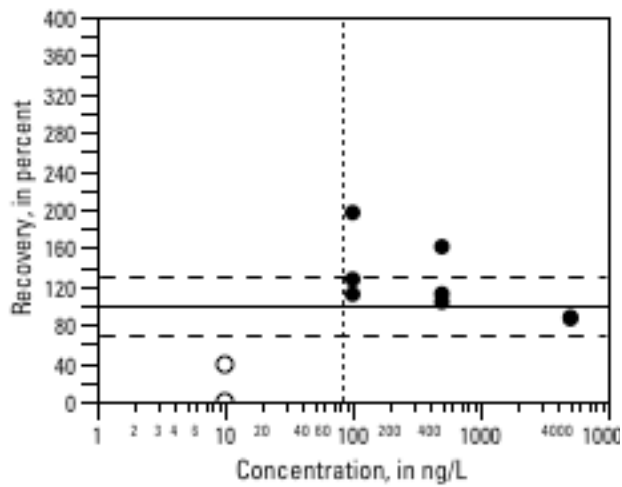
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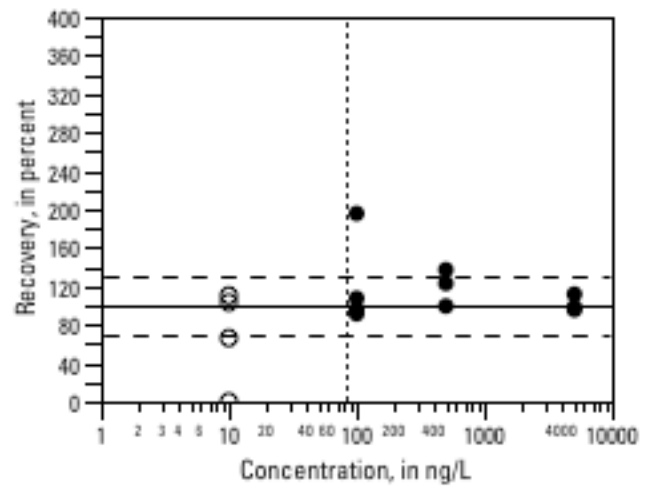
Alachlor SAA Mississippi River



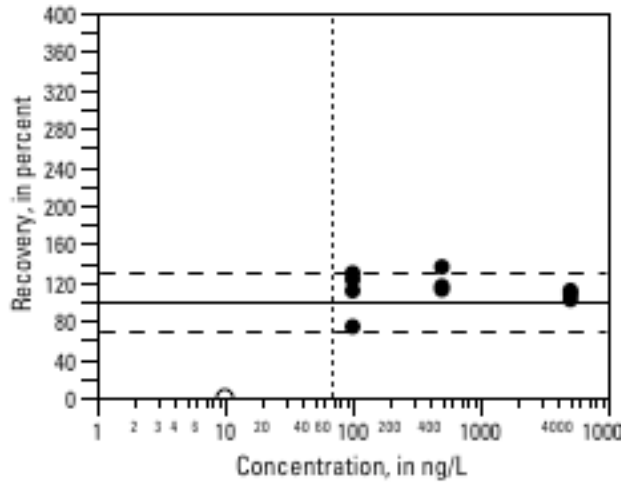
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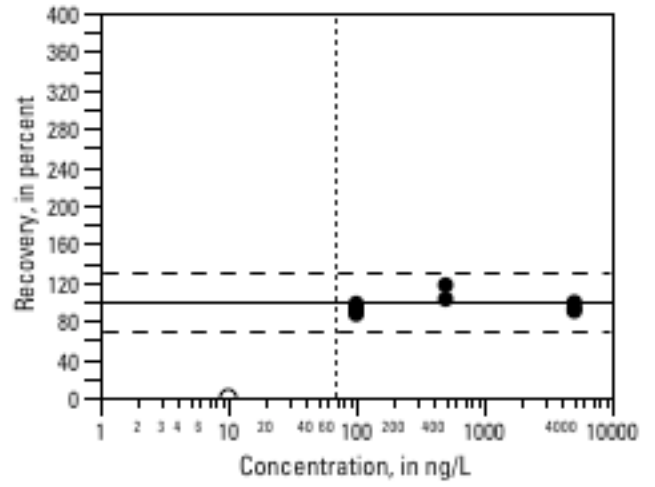
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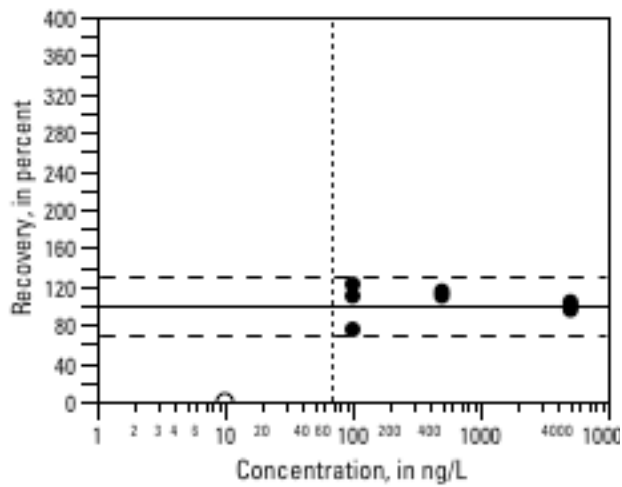
sec-Alachlor-OA Reagent water



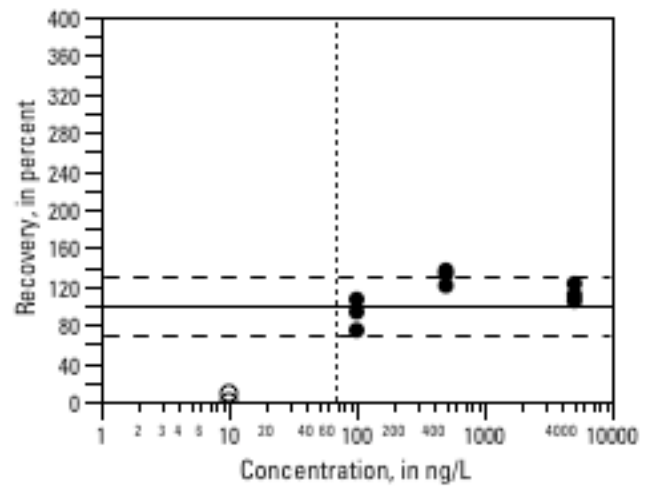
sec-Alachlor-OA Mississippi River



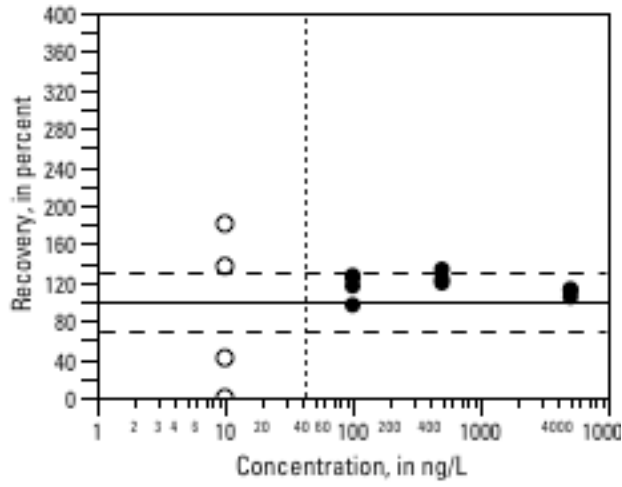
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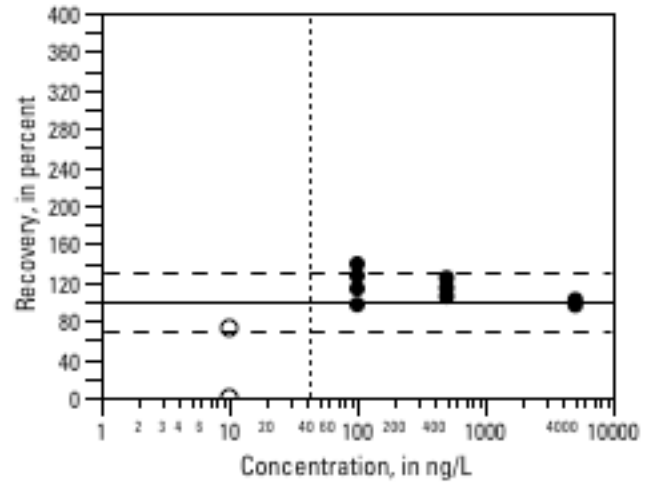
sec-Alachlor-OA Santa Ana Prado Dam



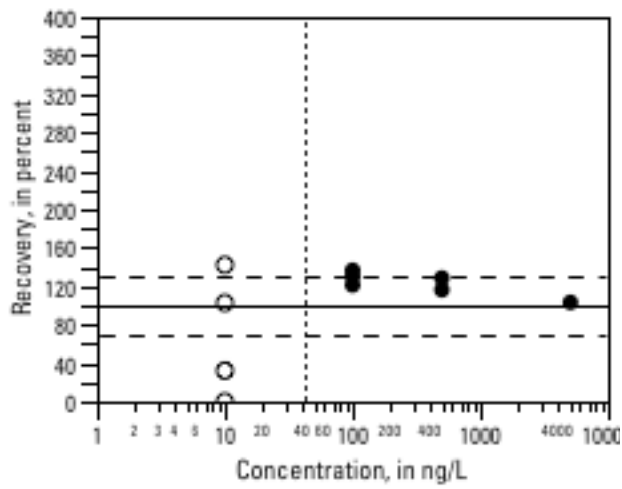
Dimethenamid OA Reagent water



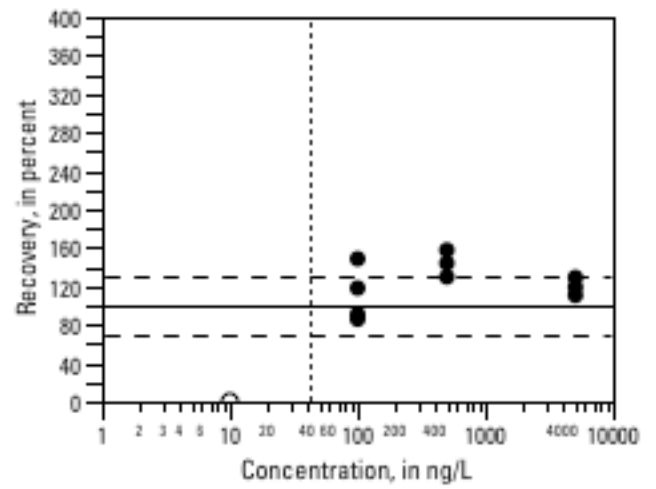
Dimethenamid OA Mississippi River



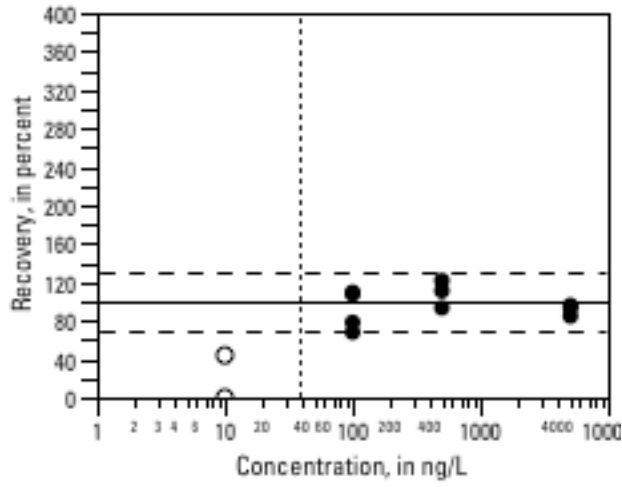
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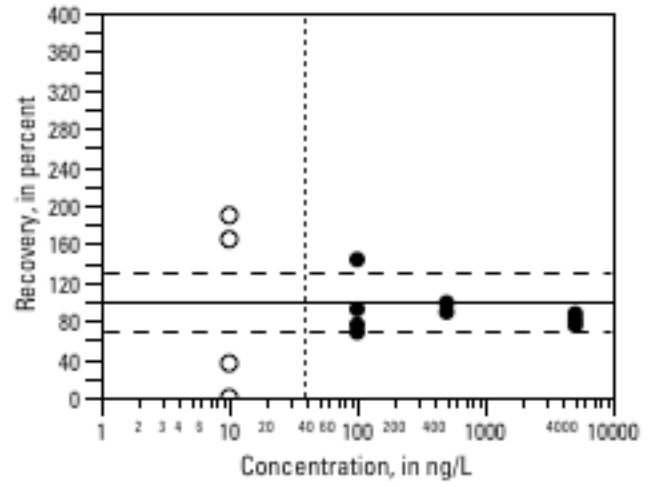
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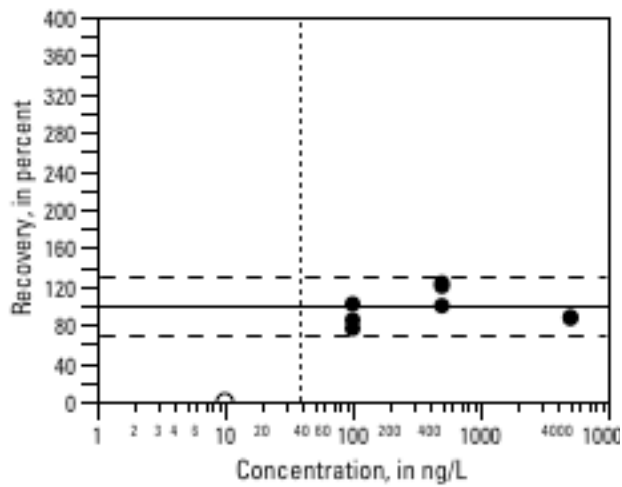
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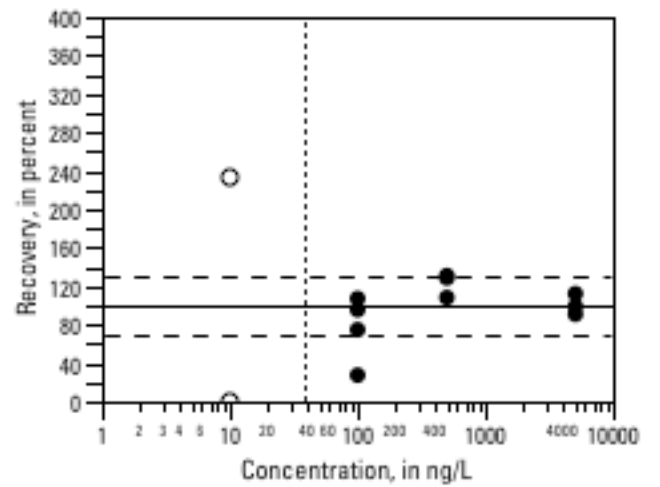
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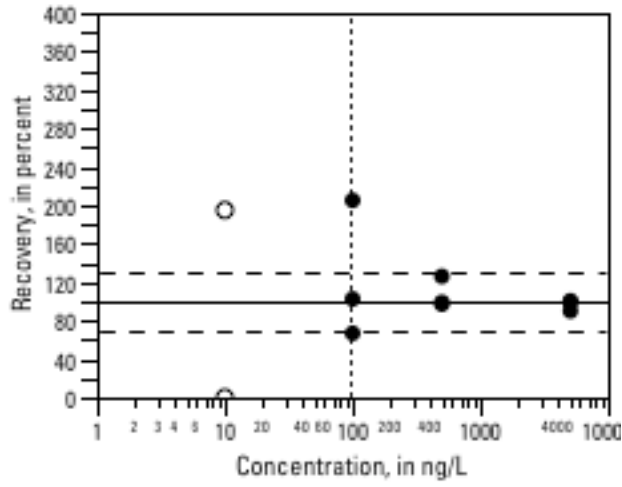
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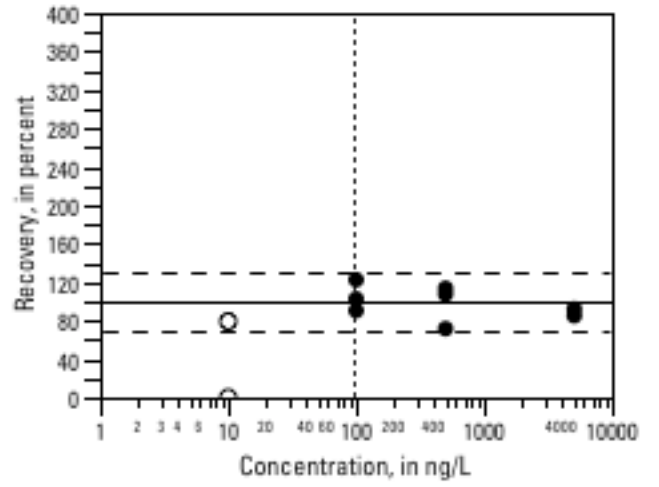
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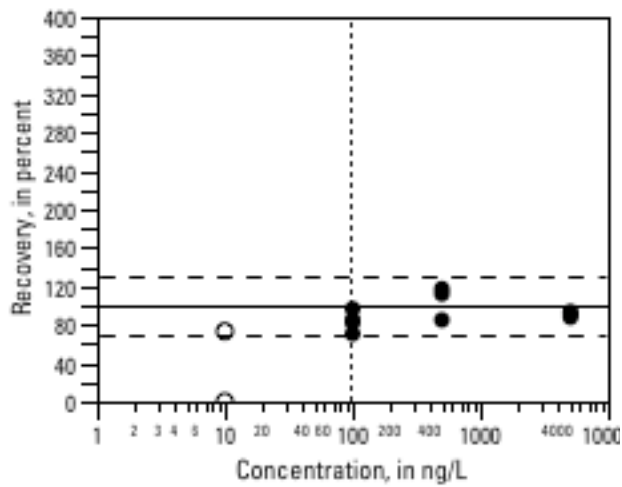
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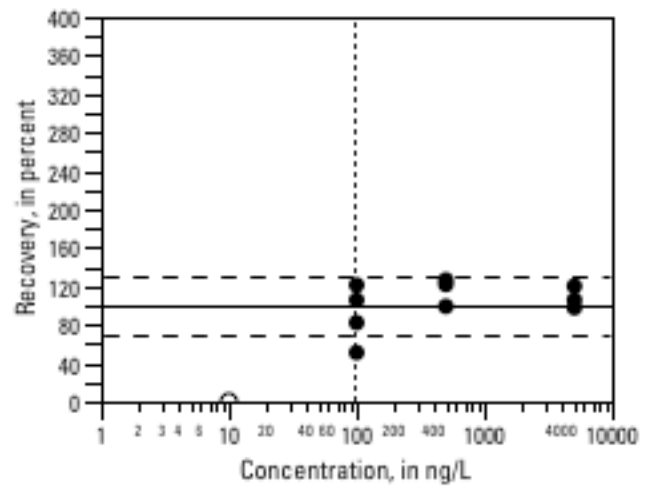
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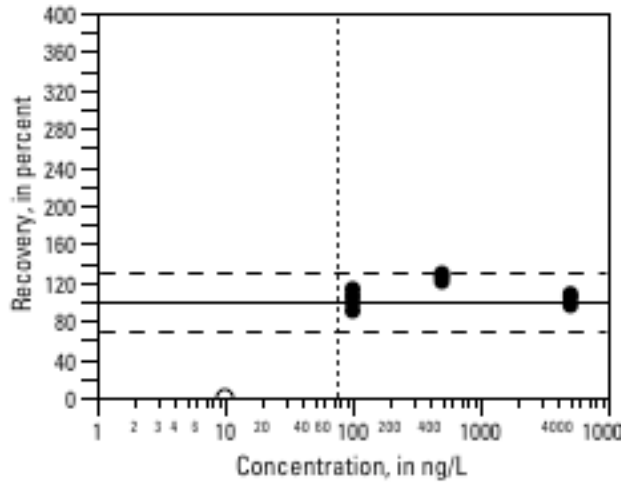
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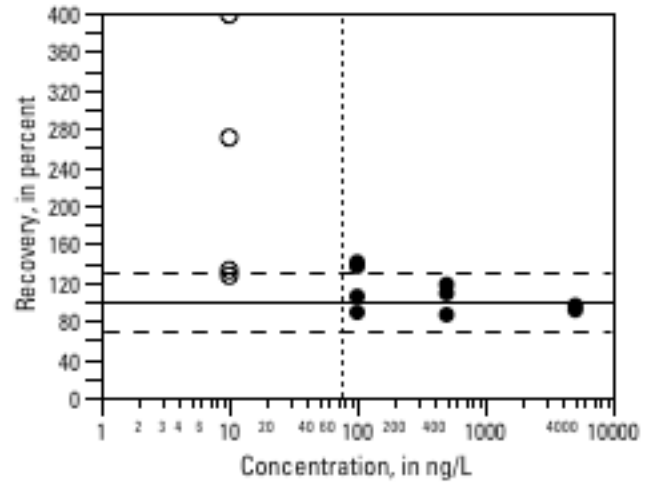
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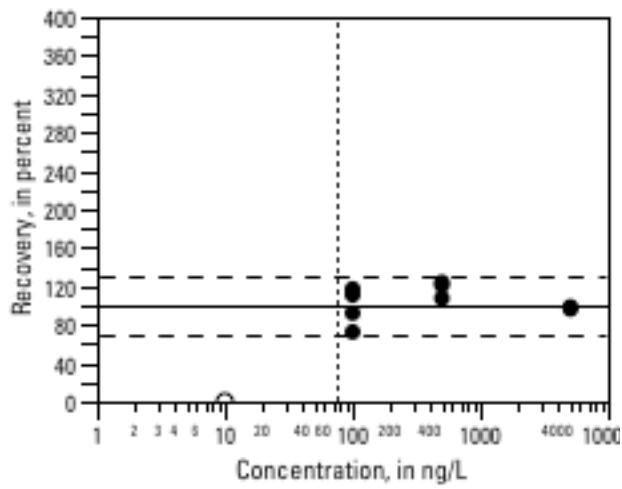
Metolachlor OA Reagent water



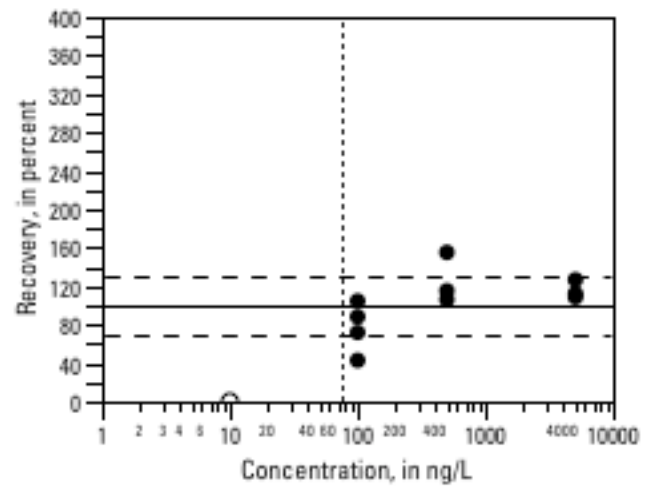
Metolachlor OA Mississippi River



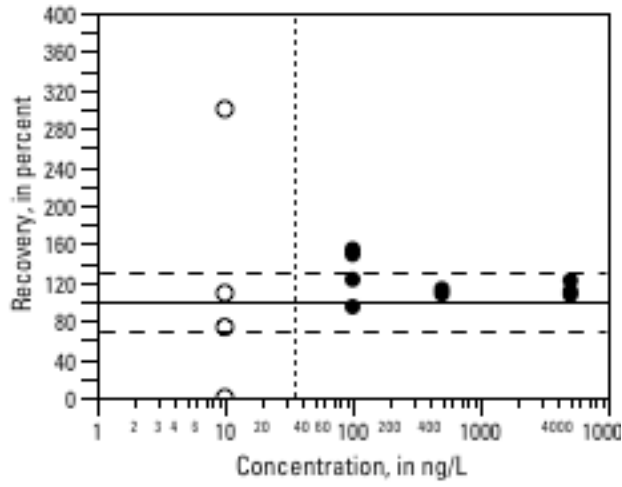
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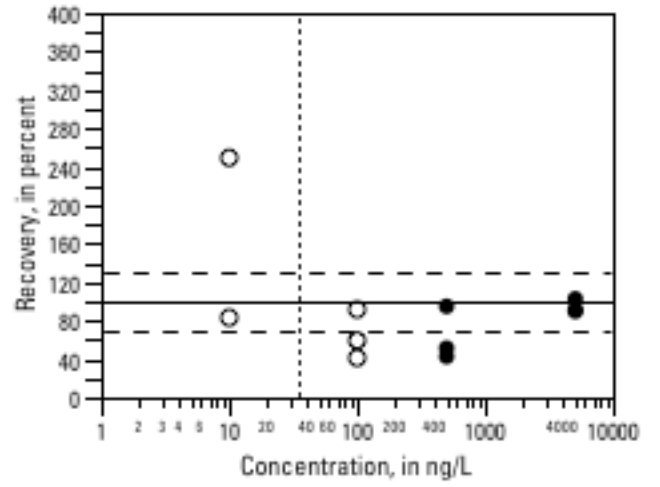
Metolachlor OA Santa Ana Prado Dam



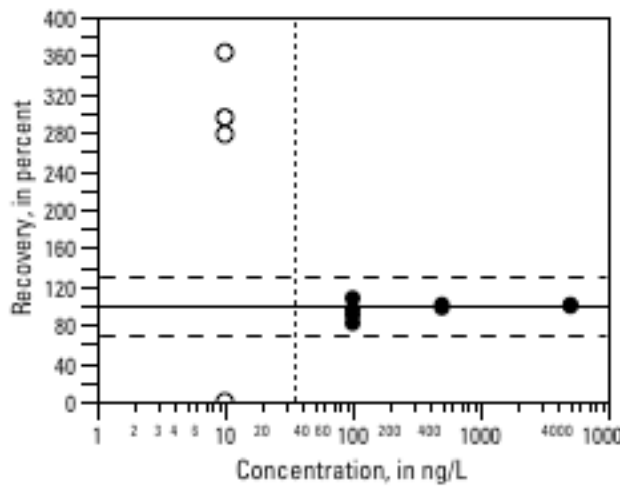
Metolachlor SA Reagent water



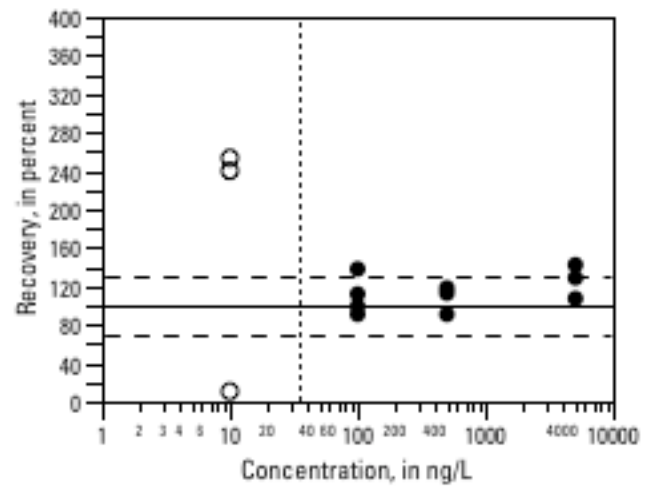
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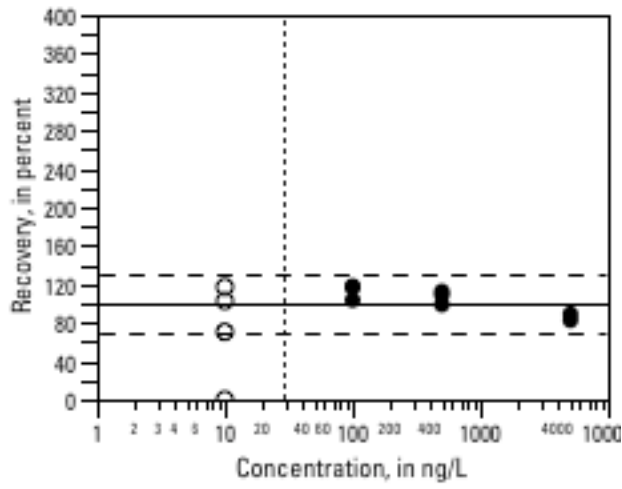
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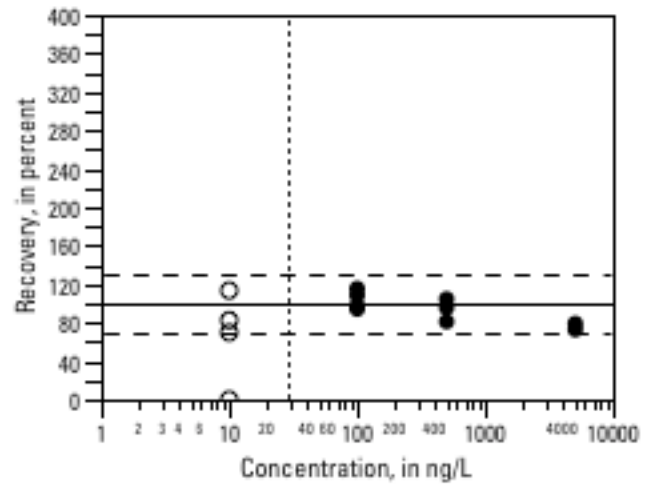
Metolachlor SA Santa Ana Prado Dam



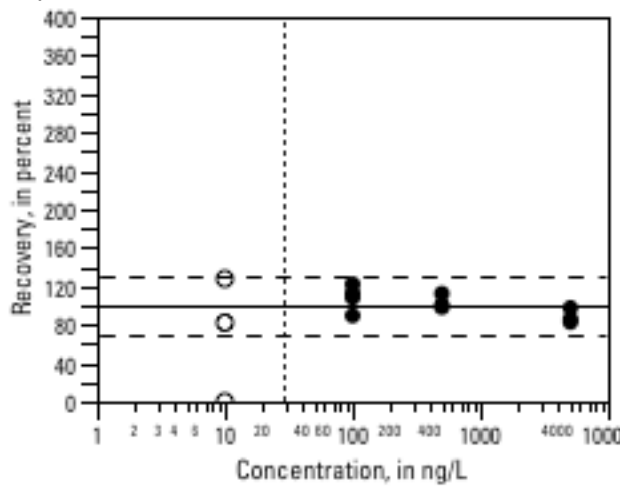
Propanil Reagent water



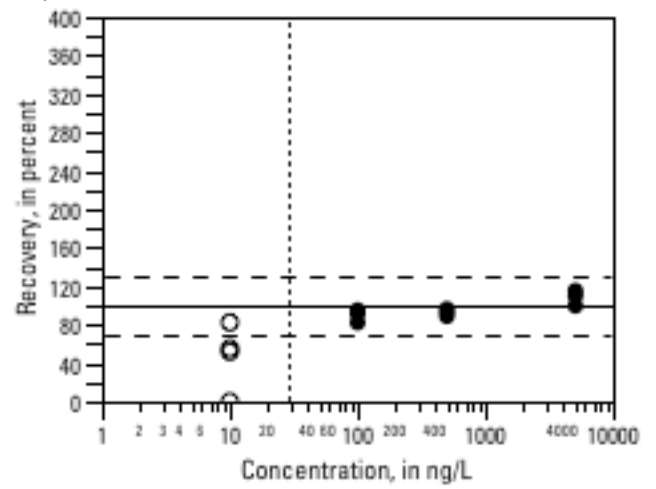
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Propanil 1N/14W-8K1S

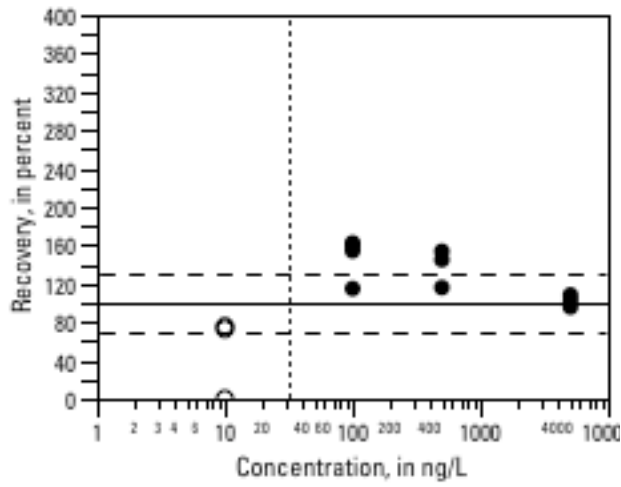


Propanil Santa Ana Prado Dam

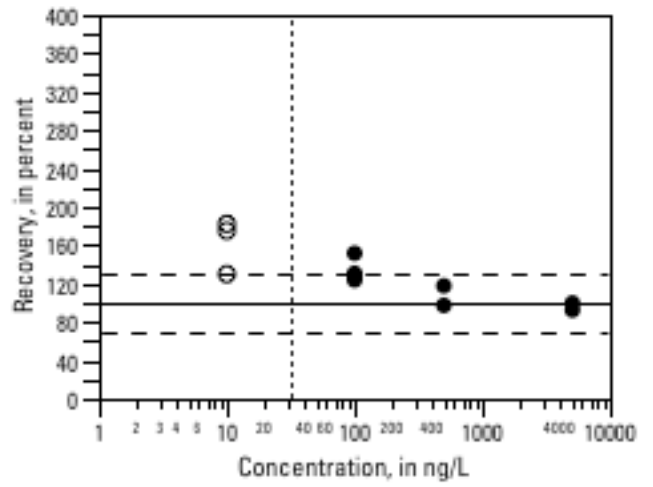


Acid

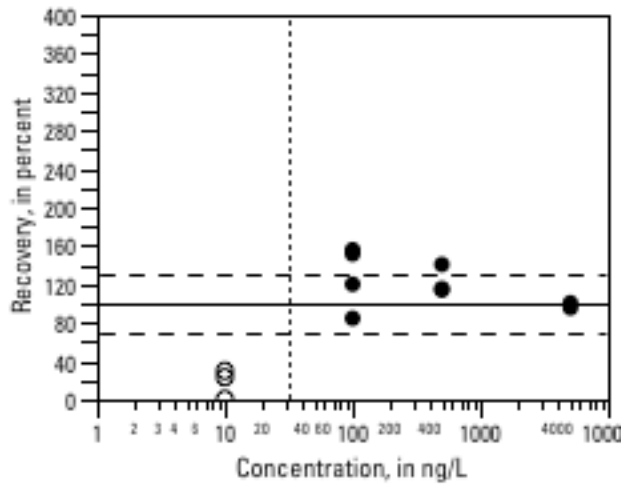
2,4-D Reagent water



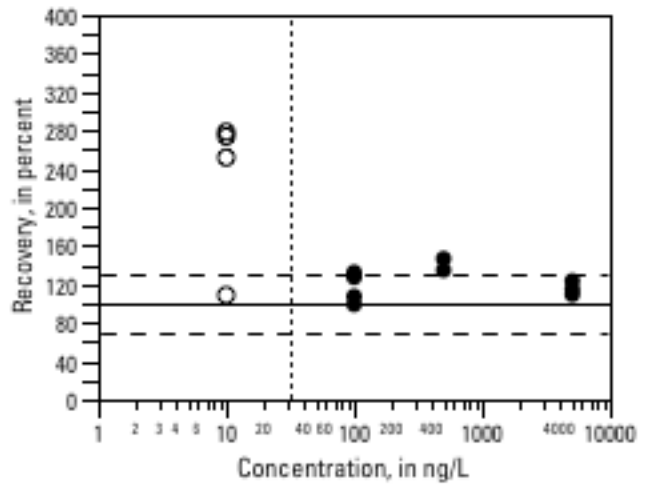
2,4-D Mississippi River



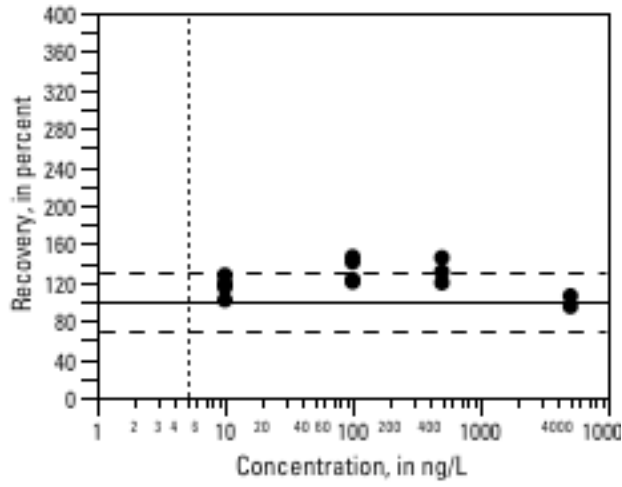
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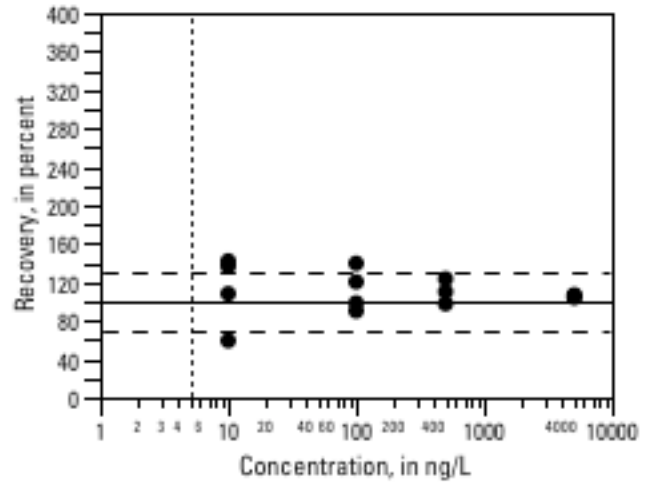
2,4-D Santa Ana Prado Dam



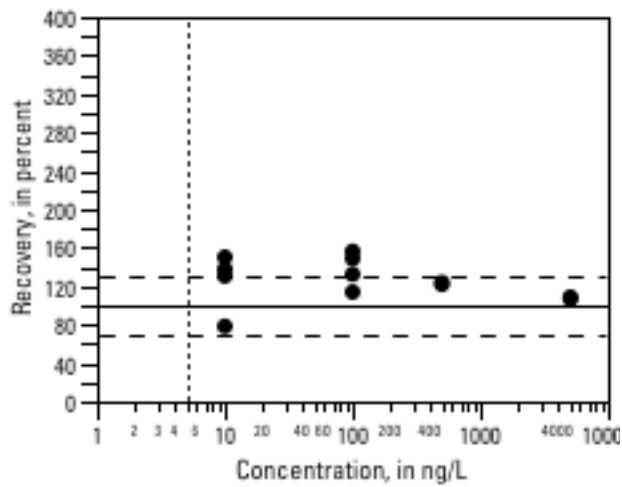
Bentazon Reagent water



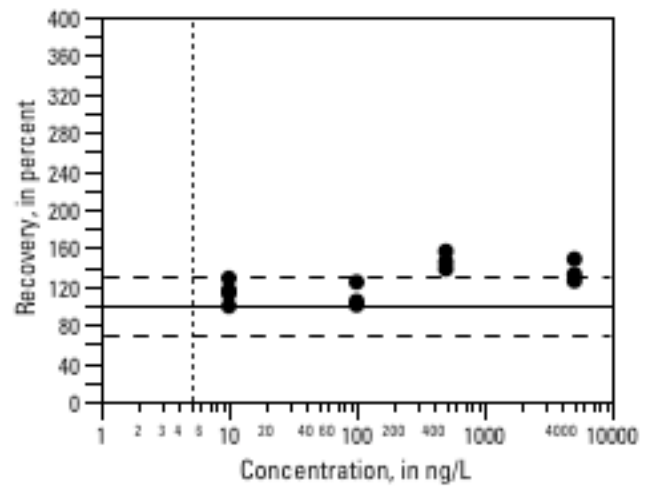
Bentazon Mississippi River



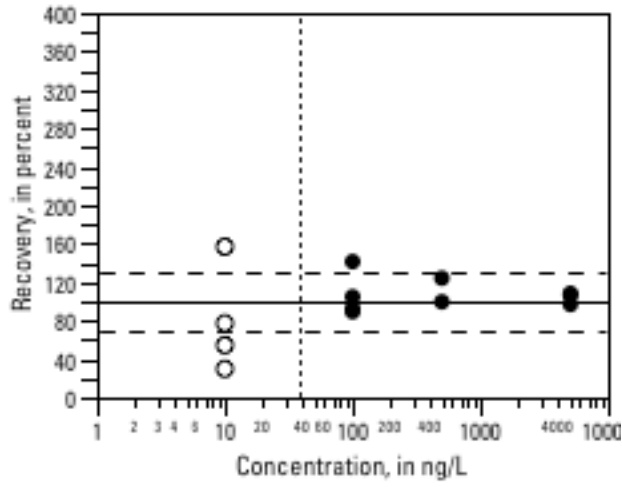
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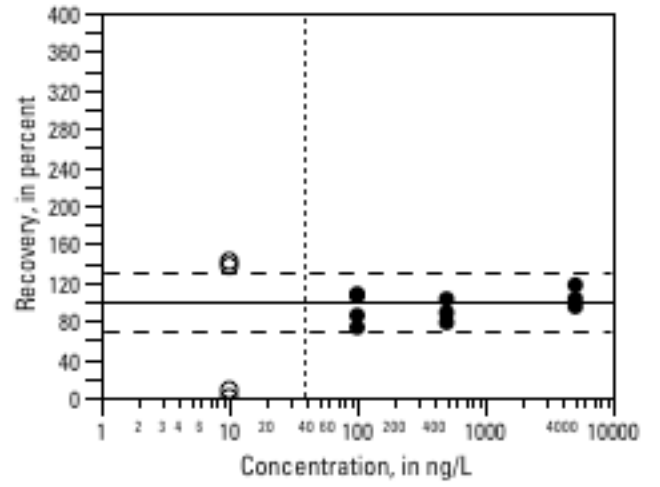
Bentazon Santa Ana Prado Dam



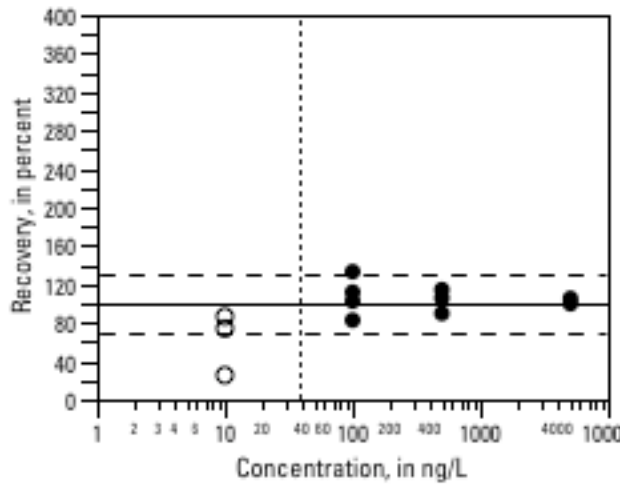
Bromoxynil Reagent water



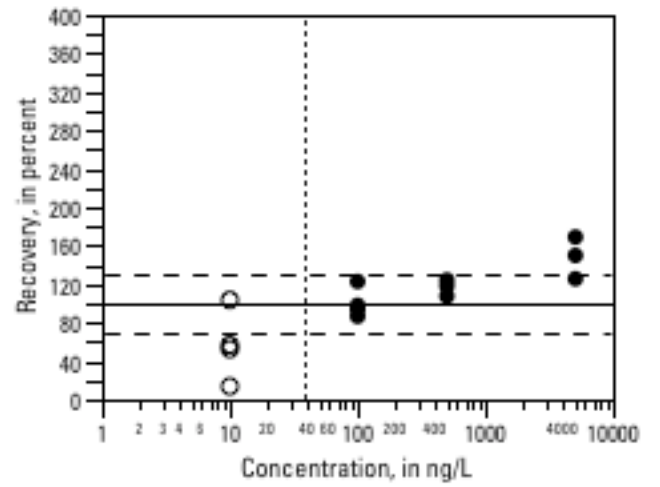
Bromoxynil Mississippi River



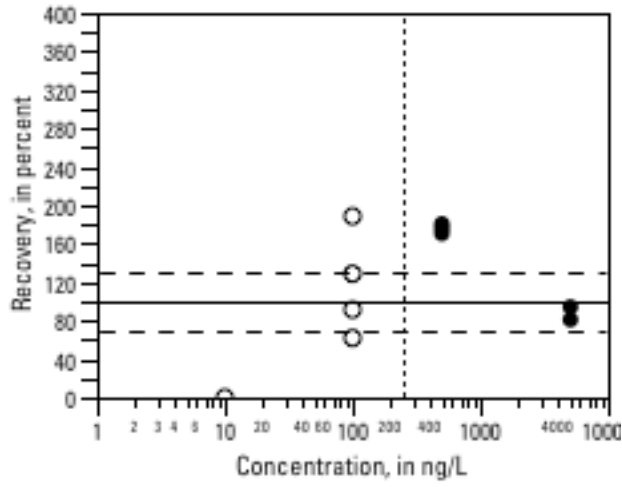
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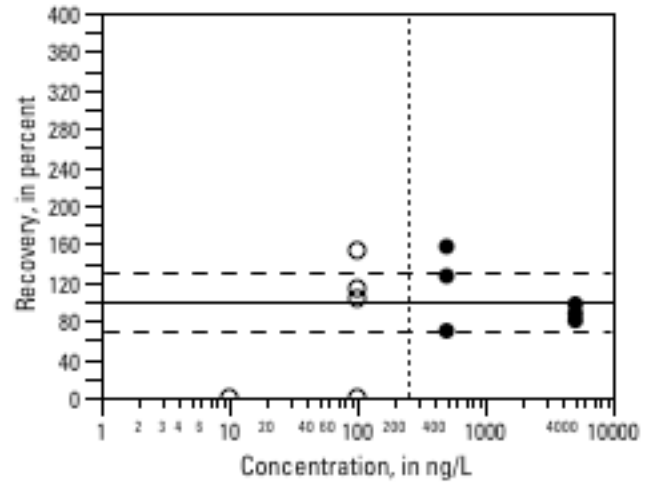
Bromoxynil Santa Ana Prado Dam



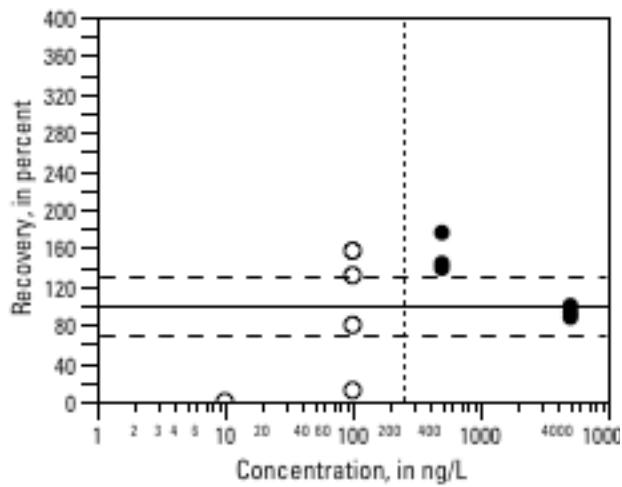
Dacthal monoacid Reagent water



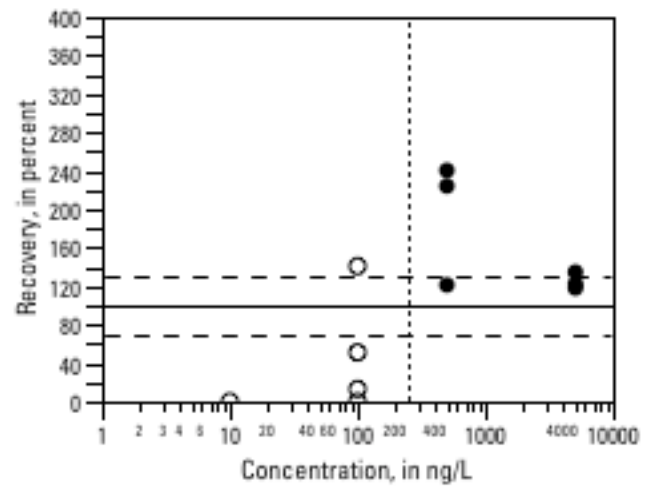
Dacthal monoacid Mississippi River



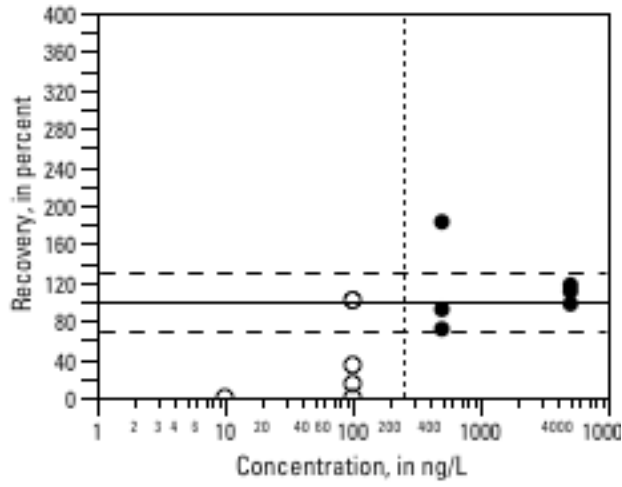
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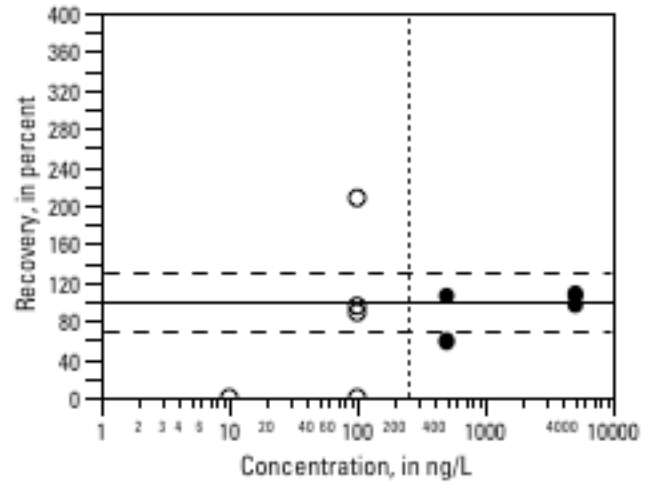
Dacthal monoacid Santa Ana Prado Dam



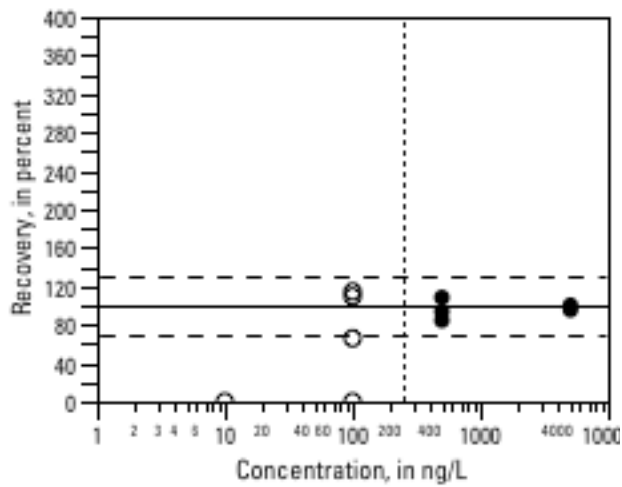
Dicamba Reagent water



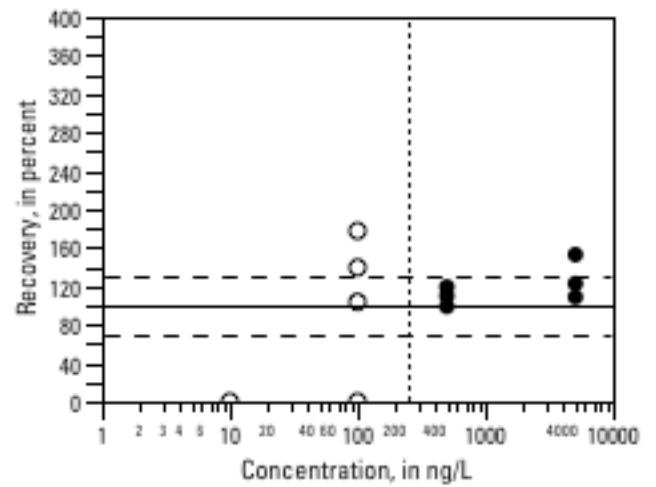
Dicamba Mississippi River



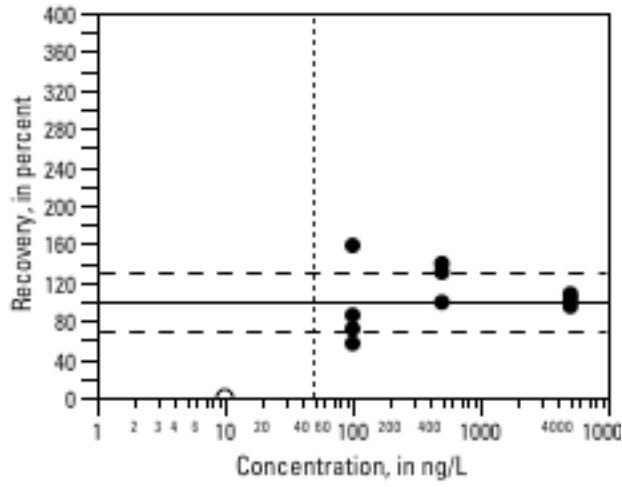
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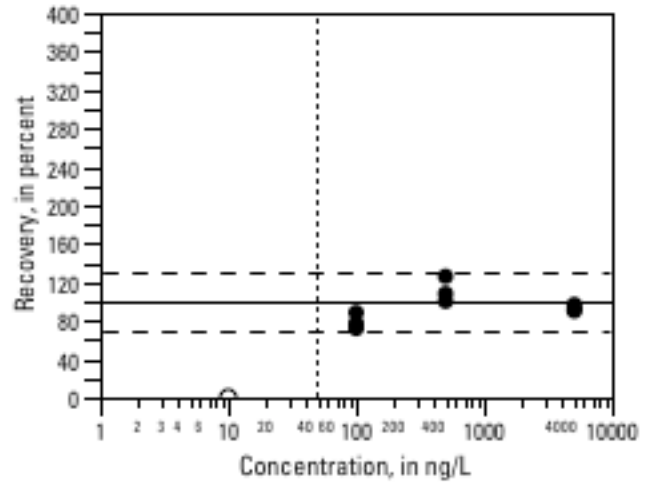
Dicamba Santa Ana Prado Dam



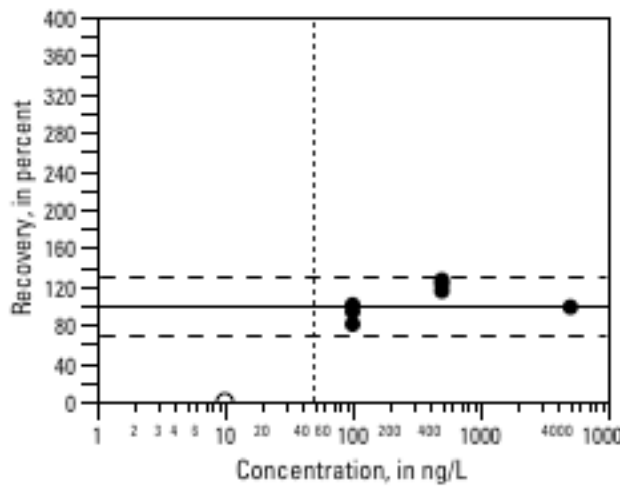
MCPA Reagent water



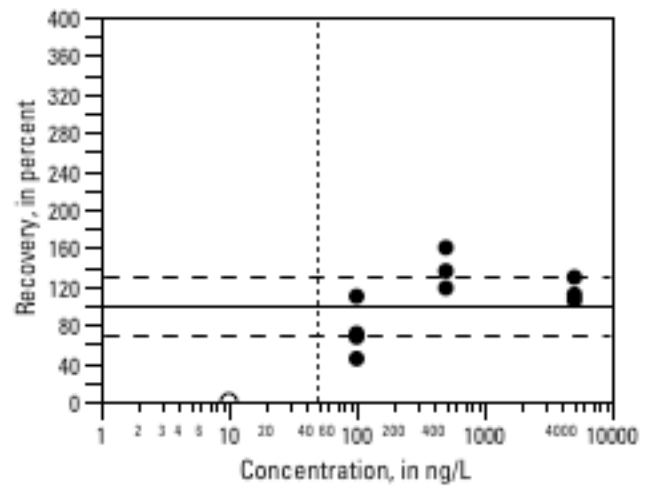
MCPA Mississippi River



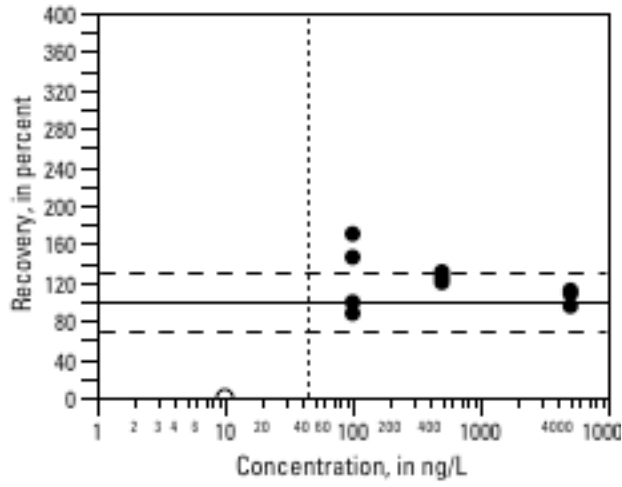
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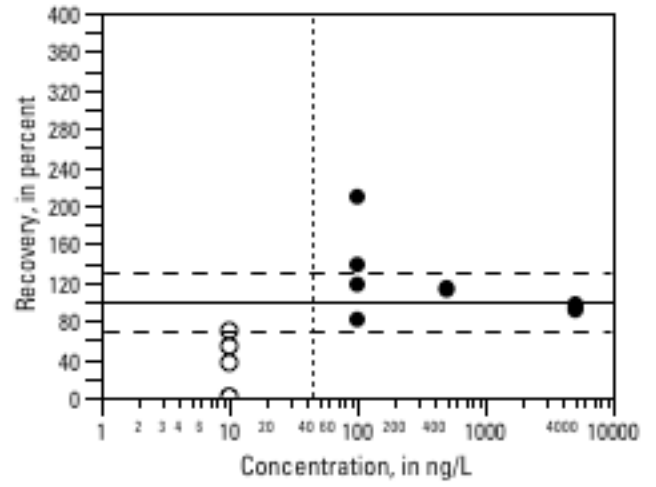
MCPA Santa Ana Prado Dam



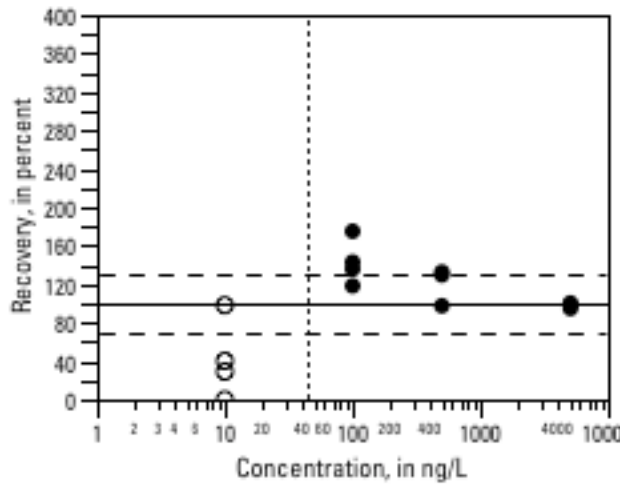
Triclopyr Reagent water



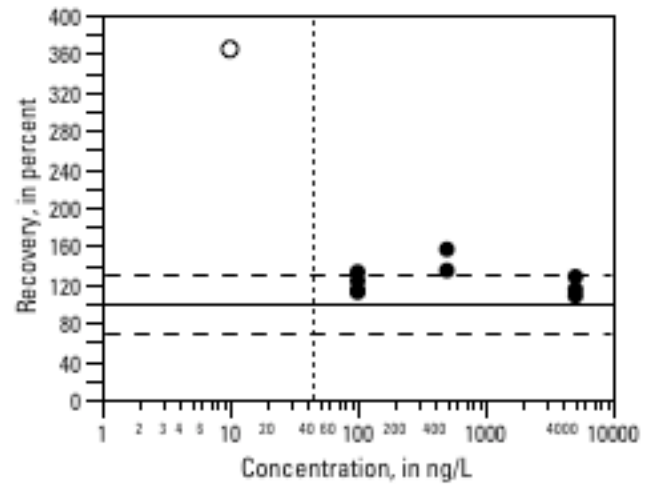
Triclopyr Mississippi River



Triclopyr 1N/14W-8K1S

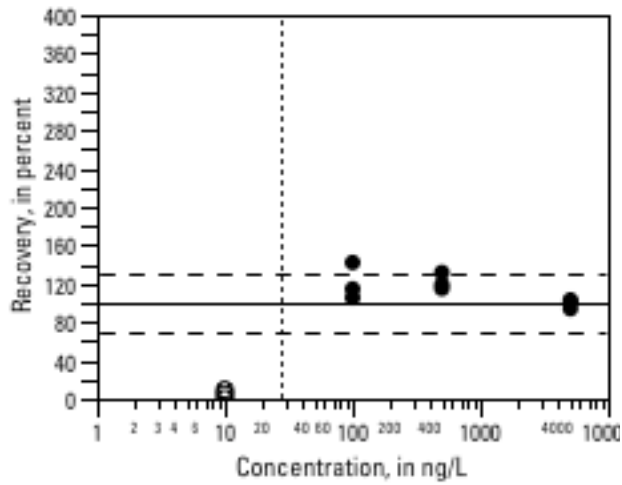


Triclopyr Santa Ana Prado Dam

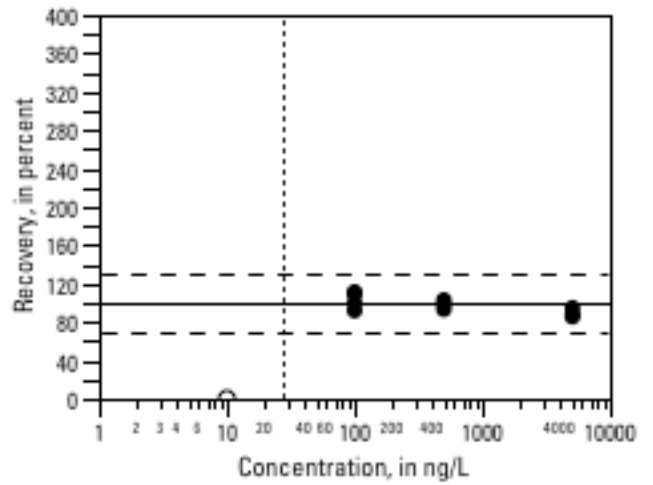


Carbamate and Thiocarbamate

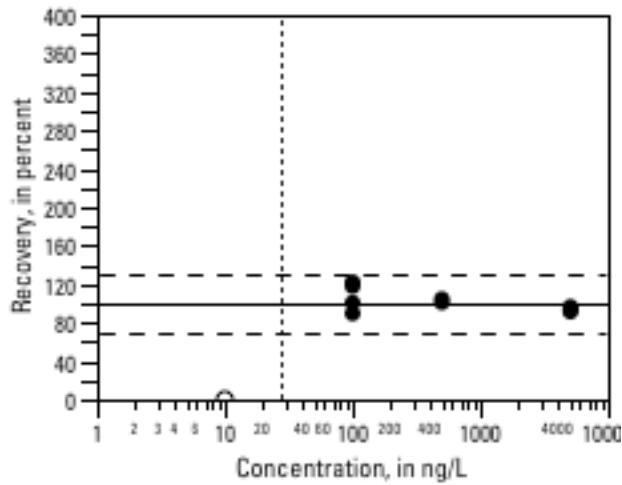
Triallate-SA Reagent water



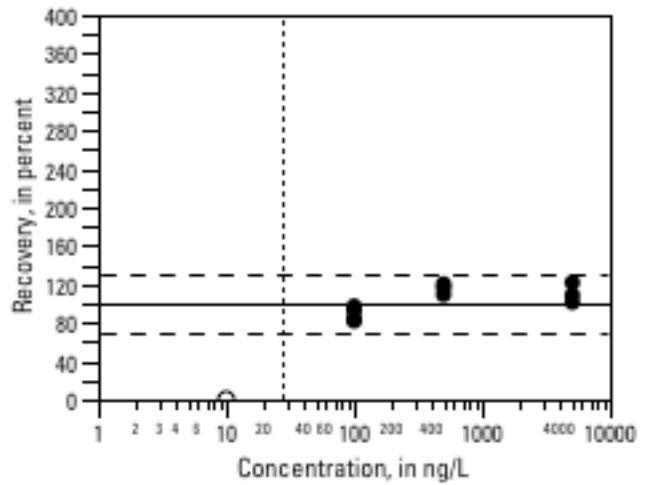
Triallate-SA Mississippi River



Triallate-SA 1N/14W-8K1S

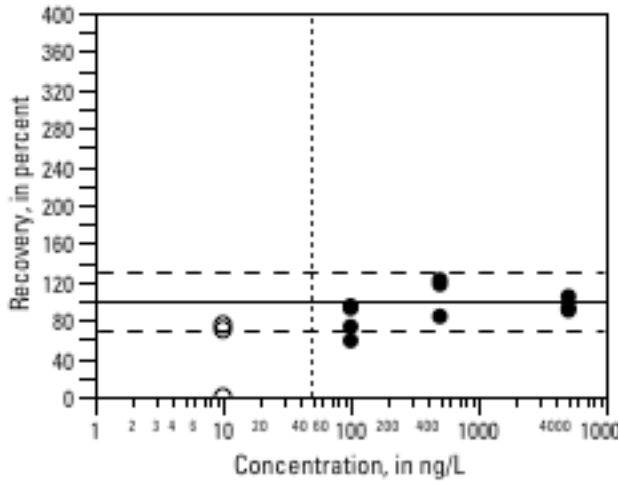


Triallate-SA Santa Ana Prado Dam

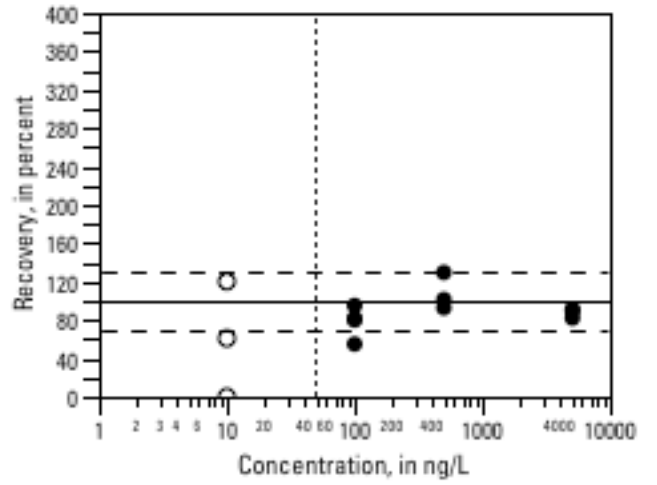


Fungicide

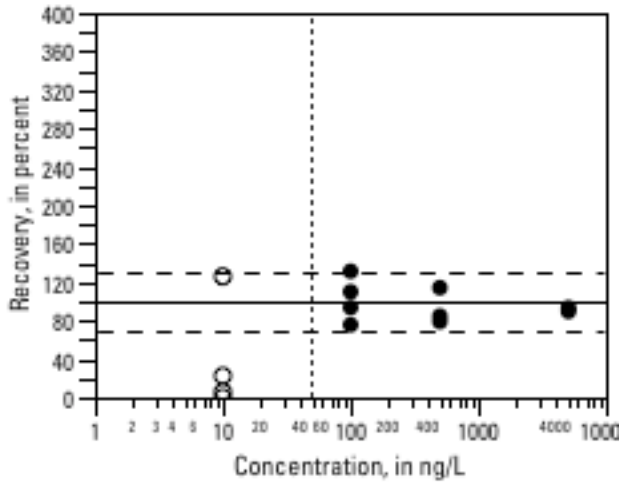
4-Hydroxychlorothalonil Reagent water



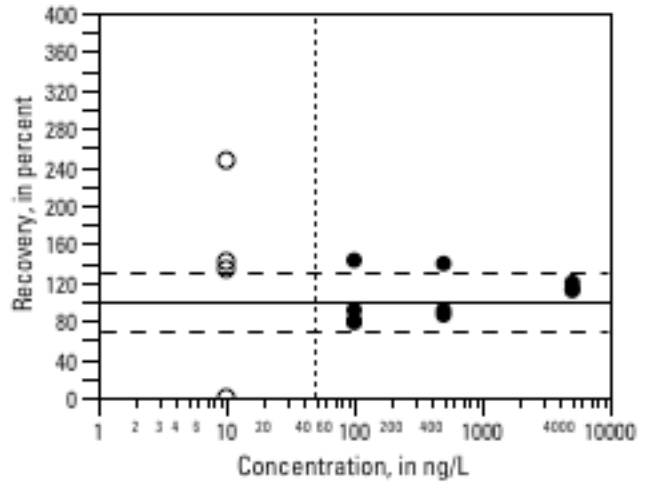
4-Hydroxychlorothalonil Mississippi River



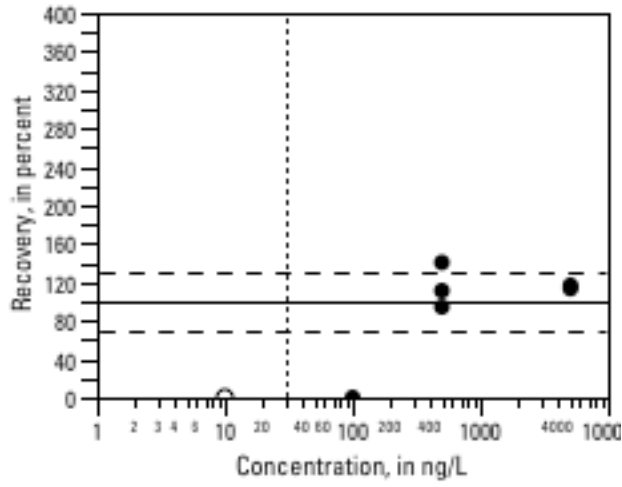
4-Hydroxychlorothalonil 1N/14W-8K1S



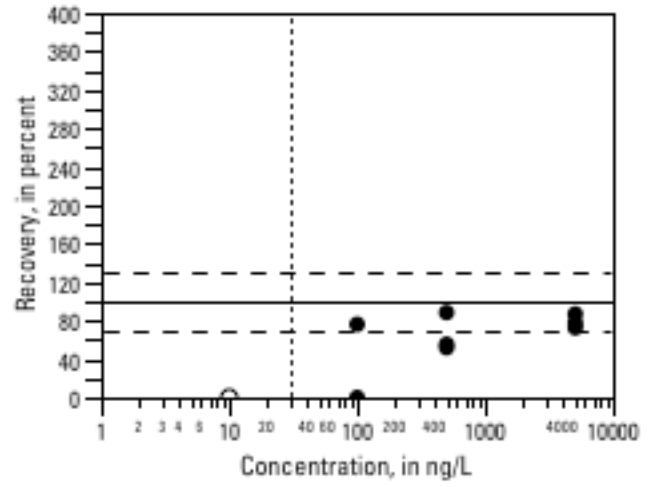
4-Hydroxychlorothalonil Santa Ana Prado Dam



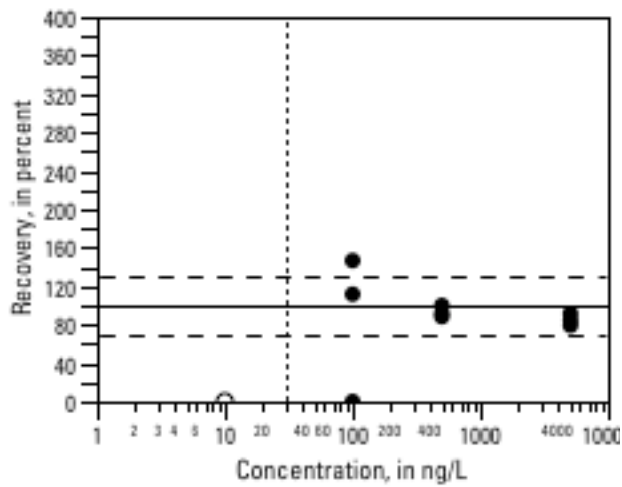
Famoxadone Reagent water



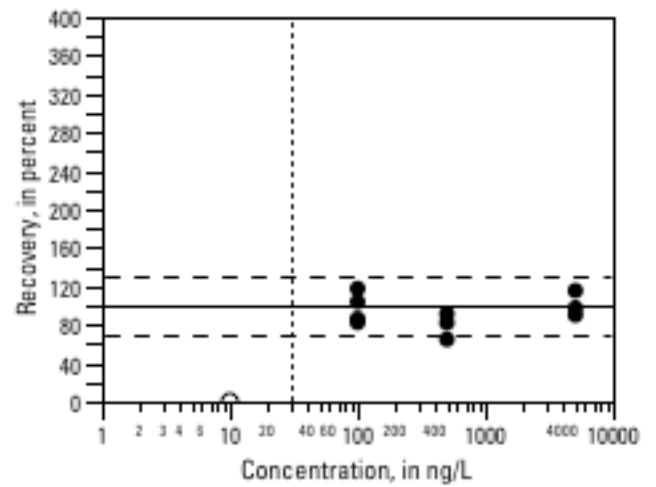
Famoxadone Mississippi River



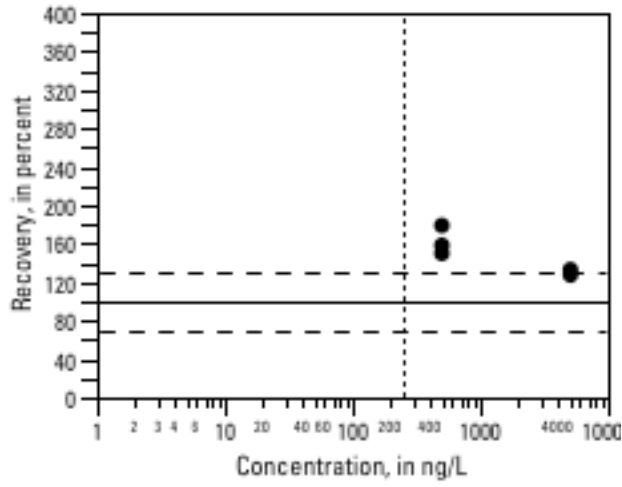
Famoxadone 1N/14W-8K1S



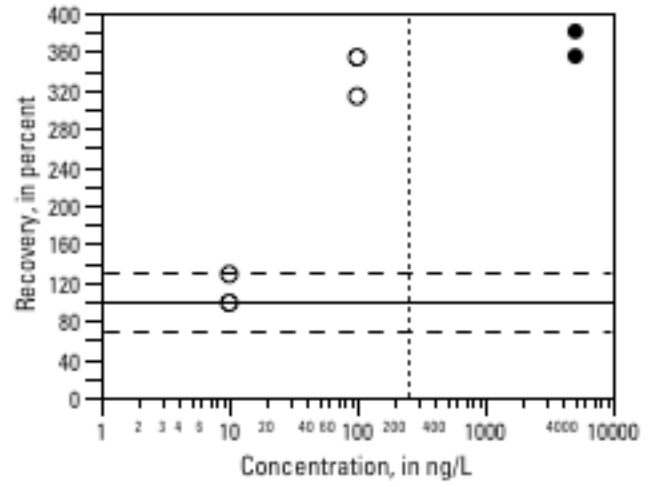
Famoxadone Santa Ana Prado Dam



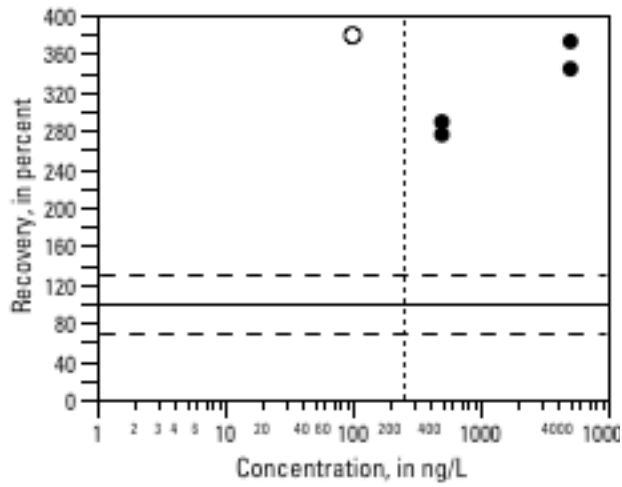
Deisopropylprodione Reagent water



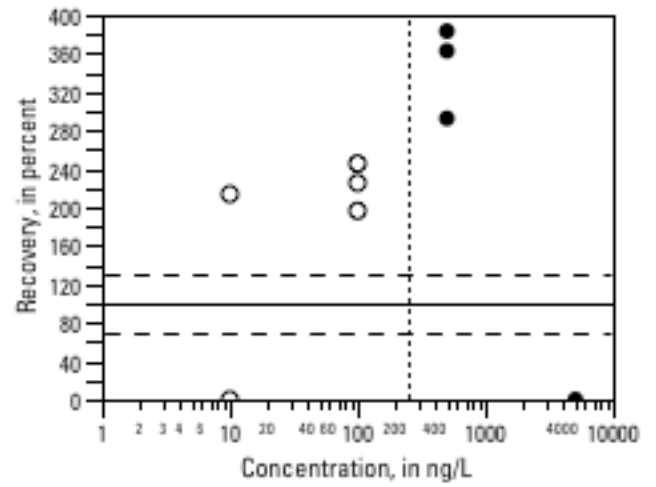
Deisopropylprodione Mississippi River



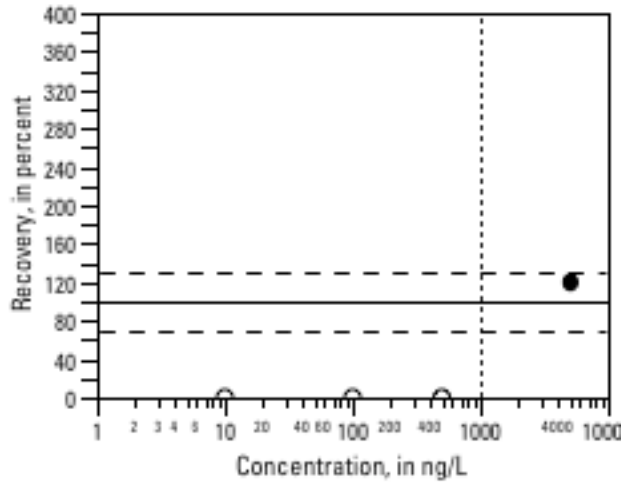
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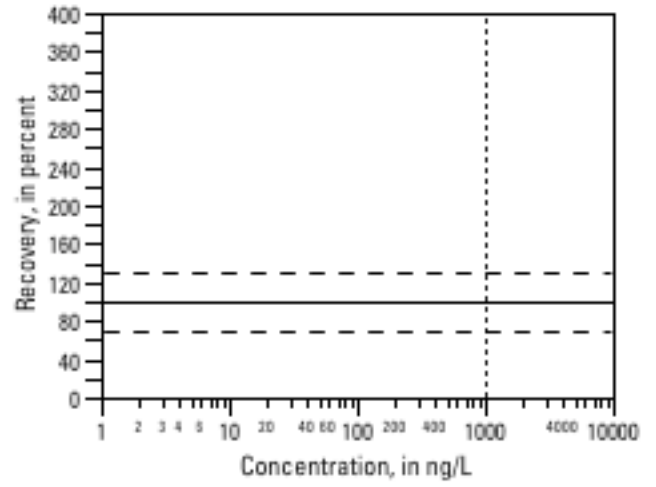
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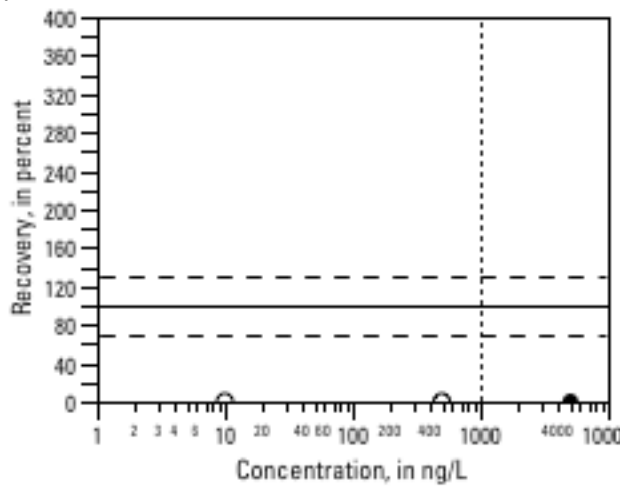
Iprodione Reagent water



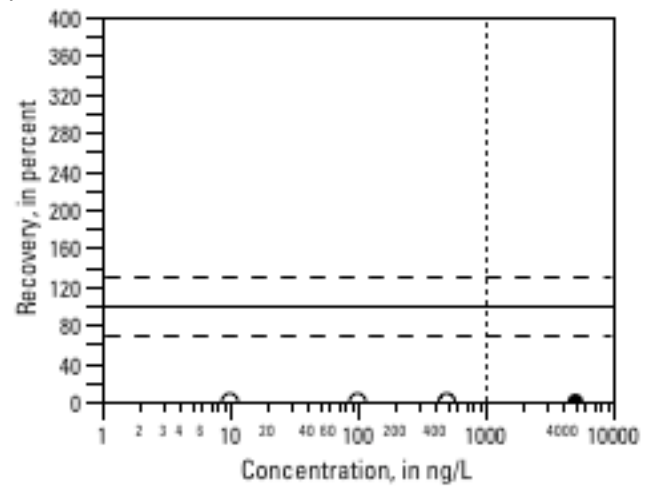
Iprodione Mississippi River



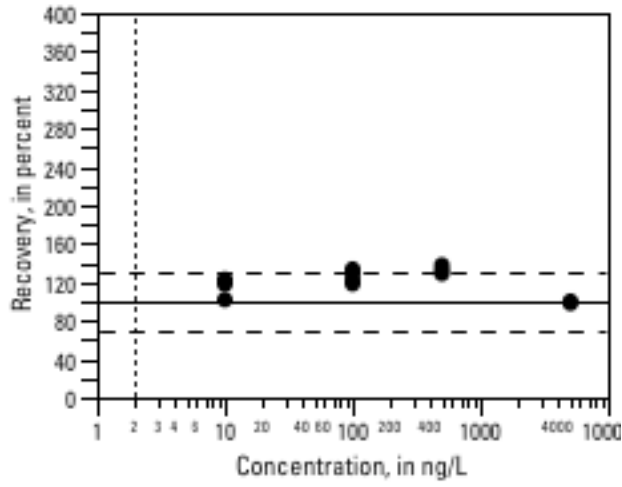
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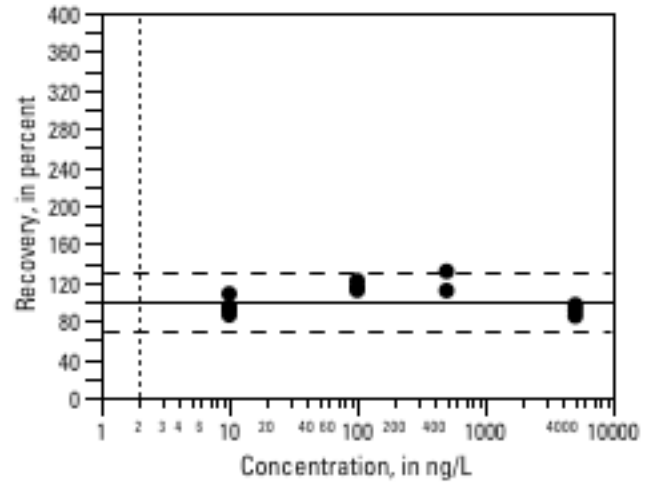
Iprodione Santa Ana Prado Dam



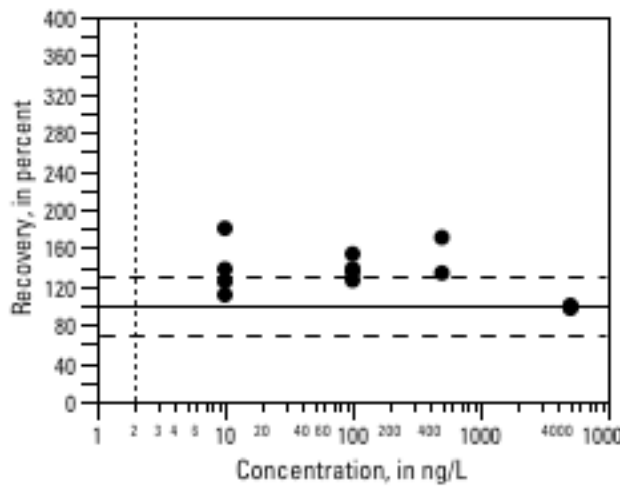
Flubendiamide Reagent water



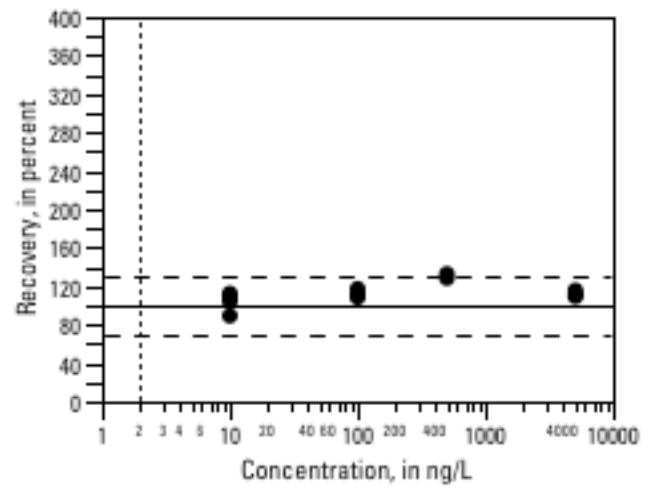
Flubendiamide Mississippi River



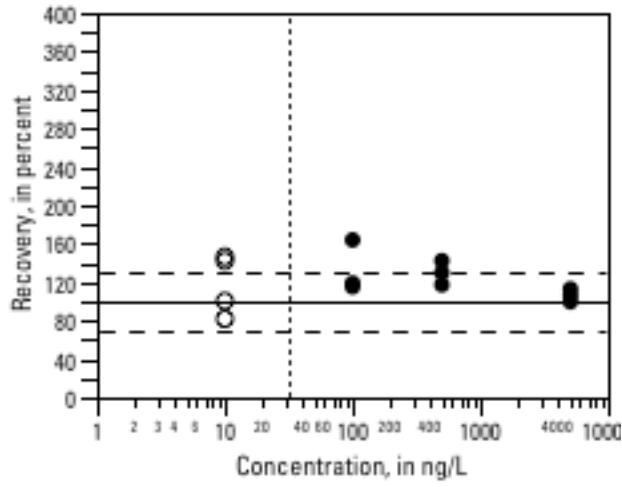
Flubendiamide 1N/14W-8K1S



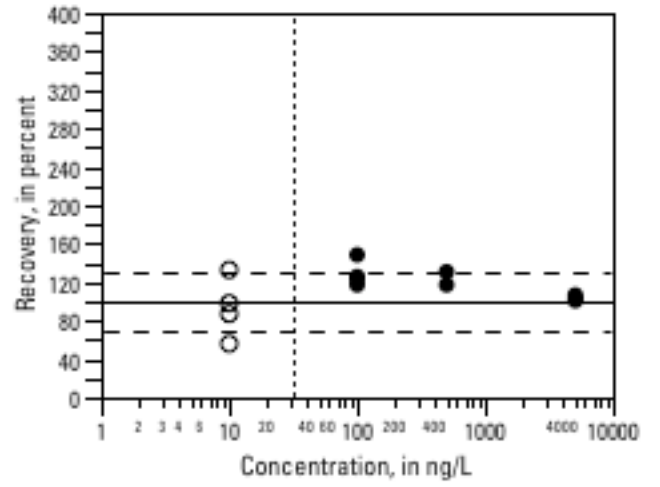
Flubendiamide Santa Ana Prado Dam



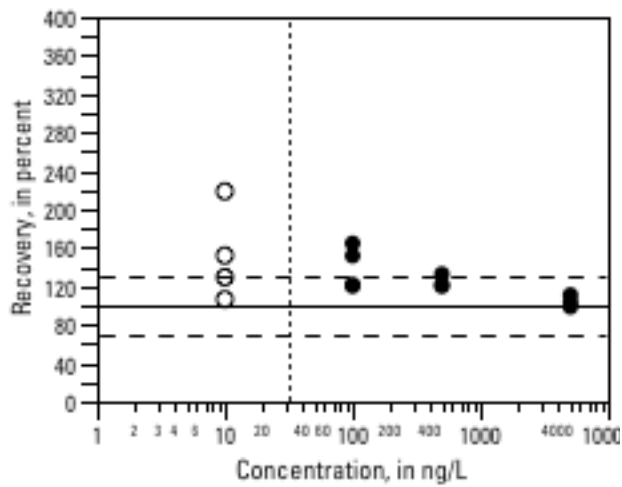
Diketonitrile isoxaflutole Reagent water



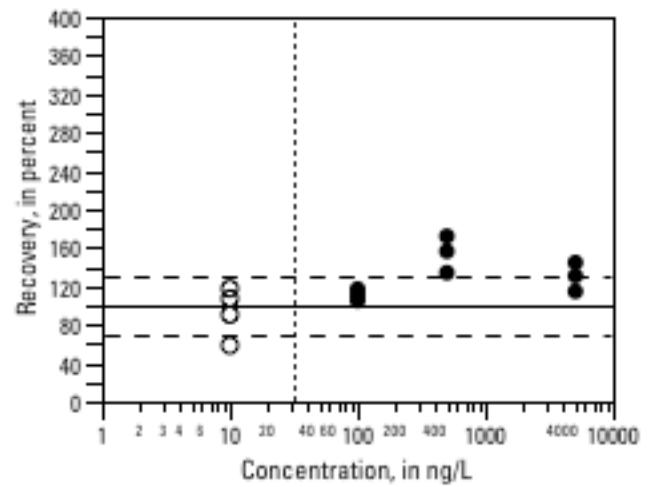
Diketonitrile isoxaflutole Mississippi River



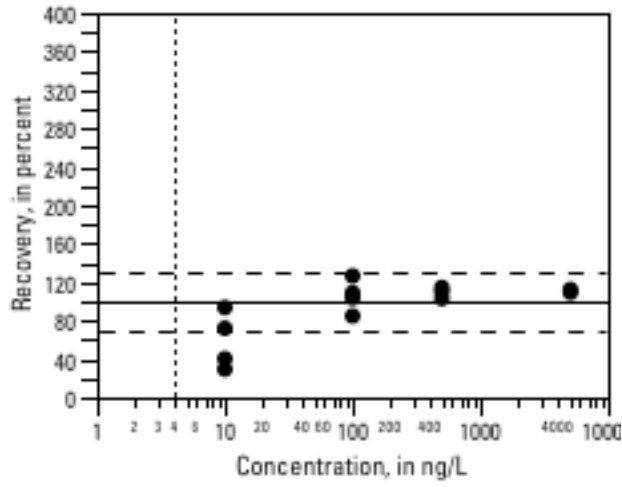
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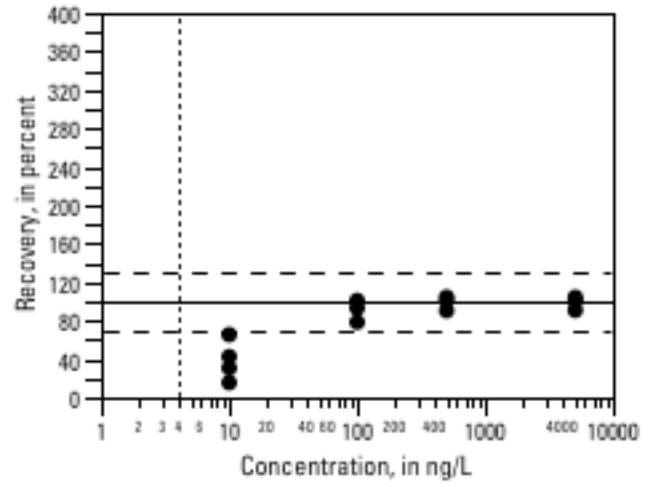
Diketonitrile isoxaflutole Santa Ana Prado Dam



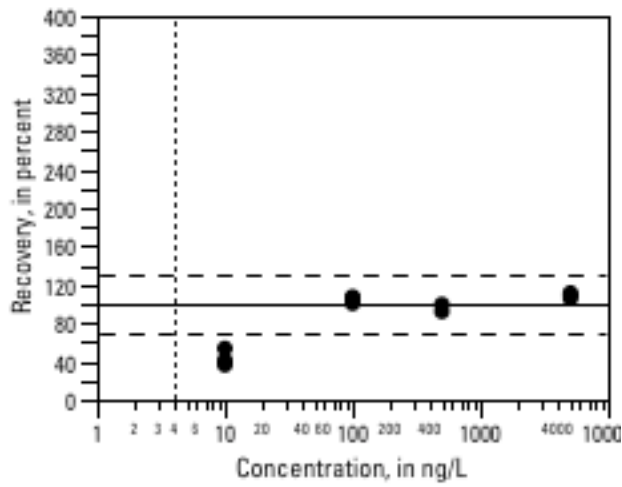
Isoxaflutole acid RPA 203328 Reagent water



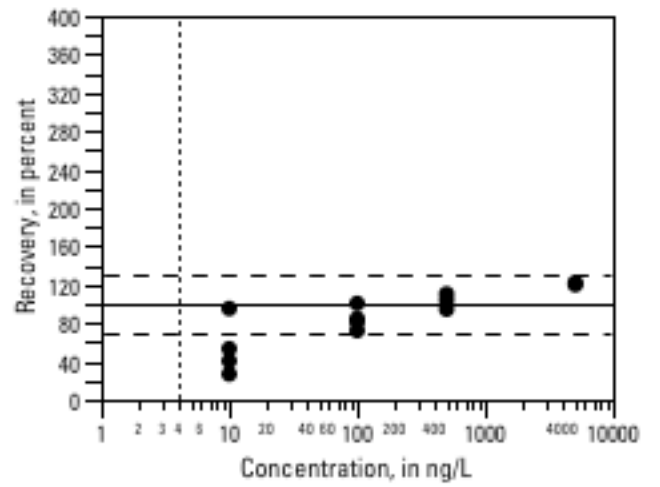
Isoxaflutole acid RPA 203328 Mississippi River



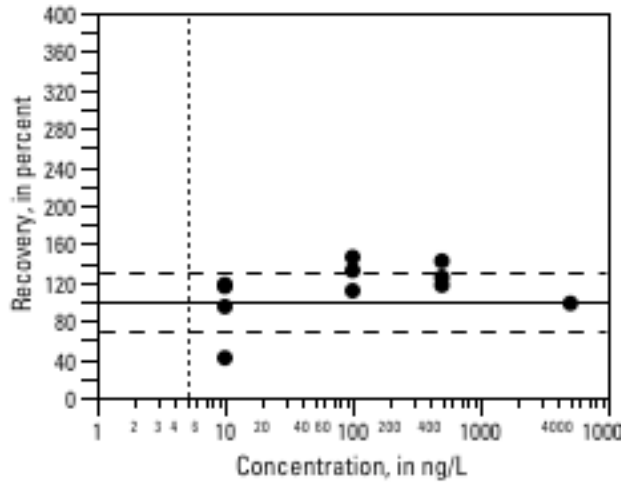
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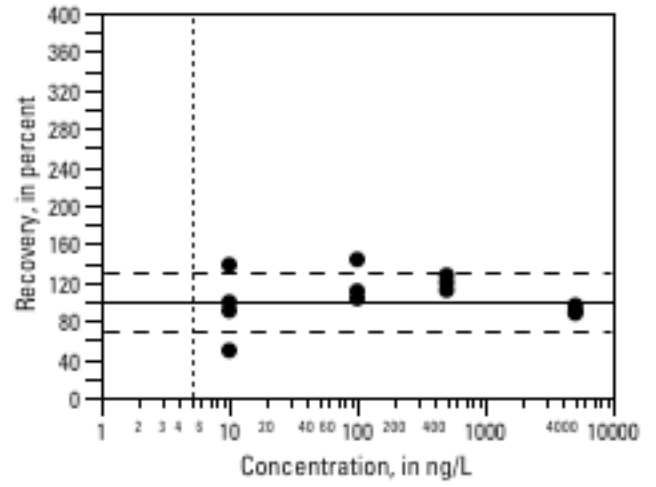
Isoxaflutole acid RPA 203328 Santa Ana Prado Dam



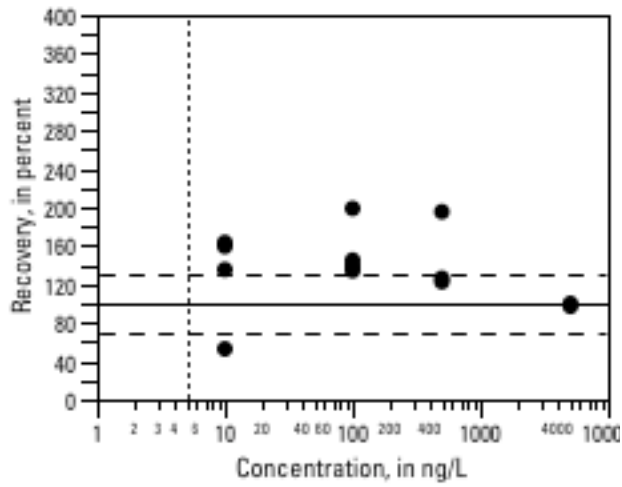
Oryzalin Reagent water



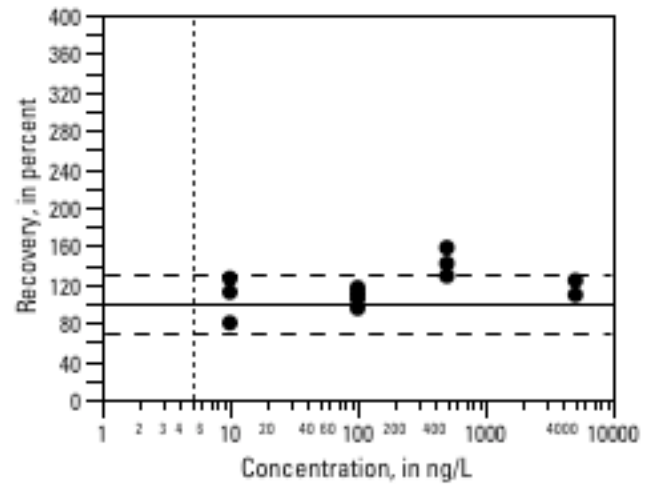
Oryzalin Mississippi River



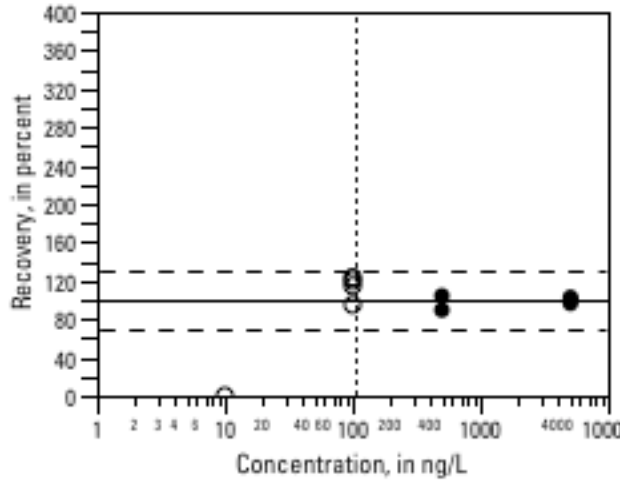
Oryzalin 1N/14W-8K1S



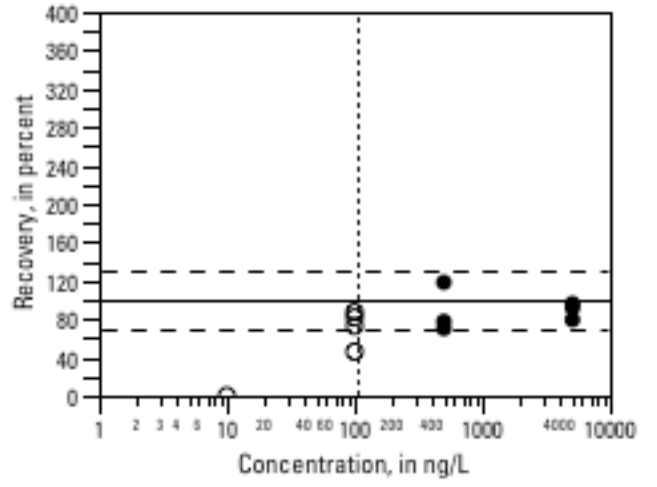
Oryzalin Santa Ana Prado Dam



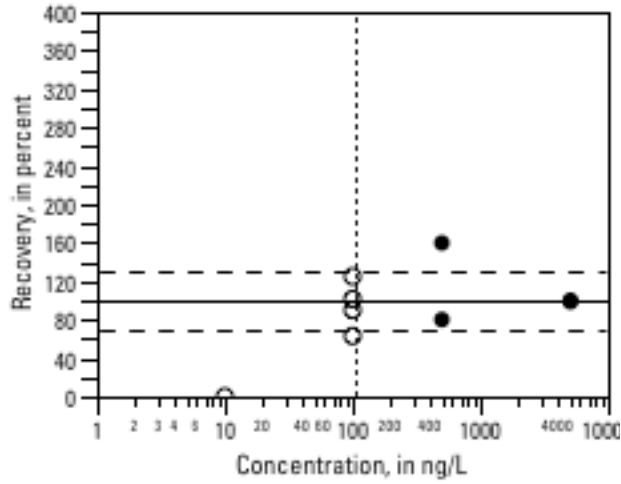
4-(Hydroxymethyl)pendimethalin Reagent water



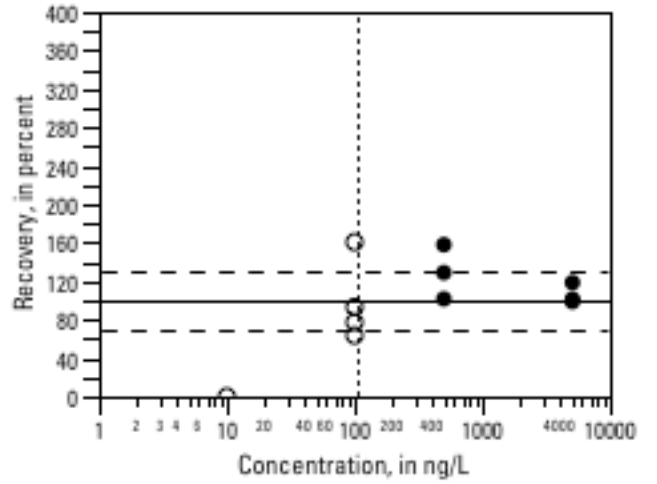
4-(Hydroxymethyl)pendimethalin Mississippi River



4-(Hydroxymethyl)pendimethalin 1N/14W-8K1S

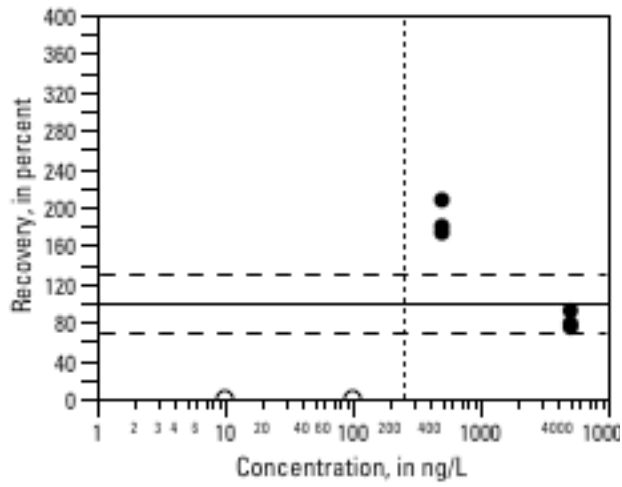


4-(Hydroxymethyl)pendimethalin Santa Ana Prado Dam

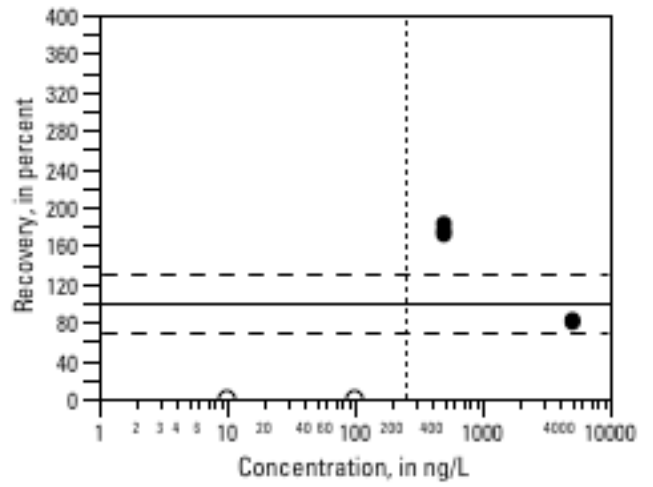


Pyrethroid and Phenylpyrazine

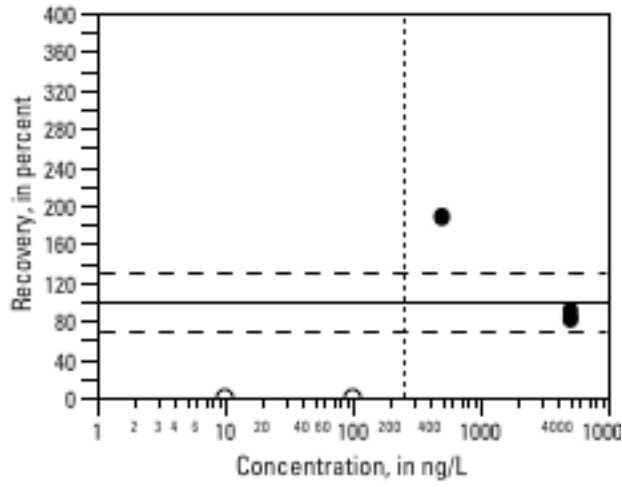
cis-Cyhalothric acid Reagent water



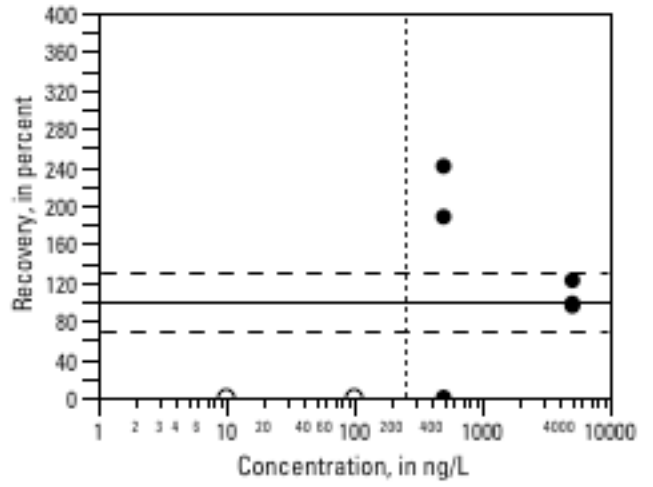
cis-Cyhalothric acid Mississippi River



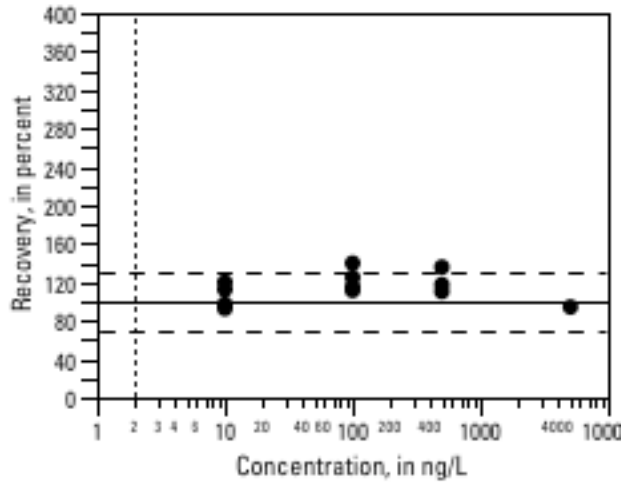
cis-Cyhalothric acid 1N/14W-8K1S



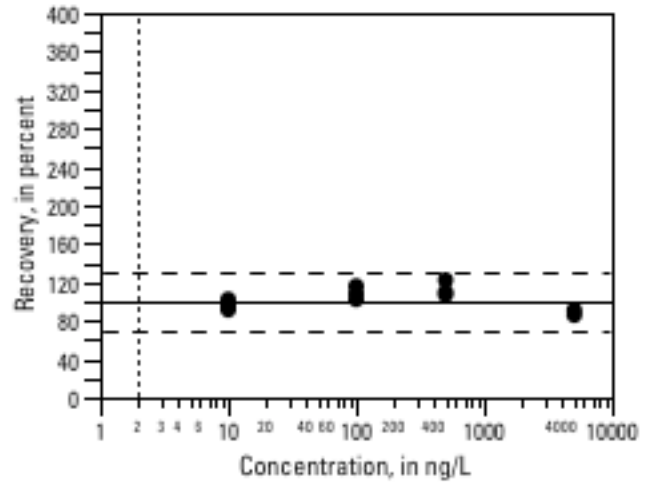
cis-Cyhalothric acid Santa Ana Prado Dam



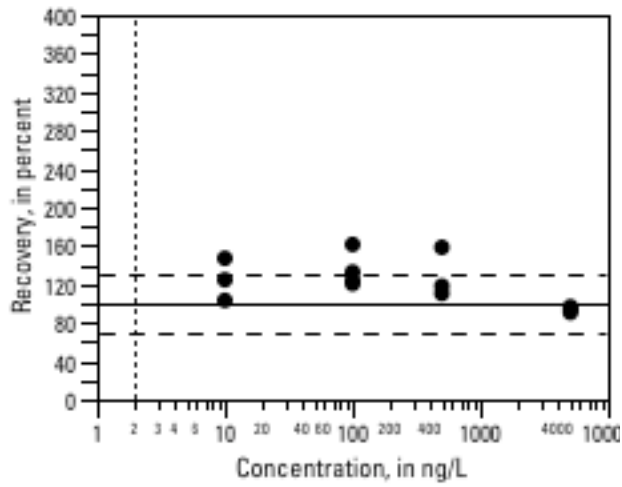
Dechlorofipronil Reagent water



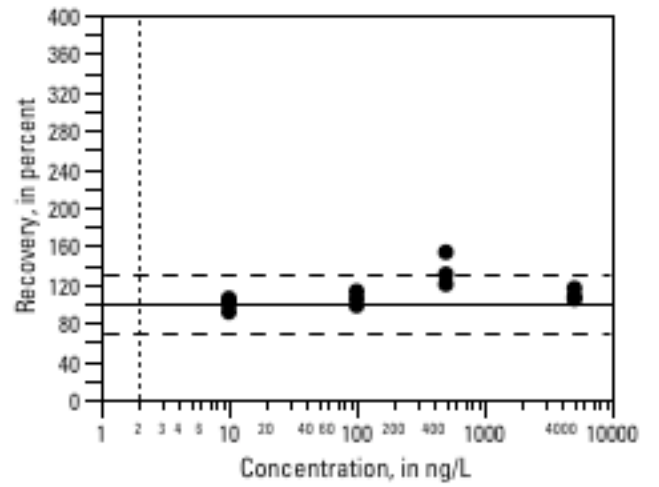
Dechlorofipronil Mississippi River



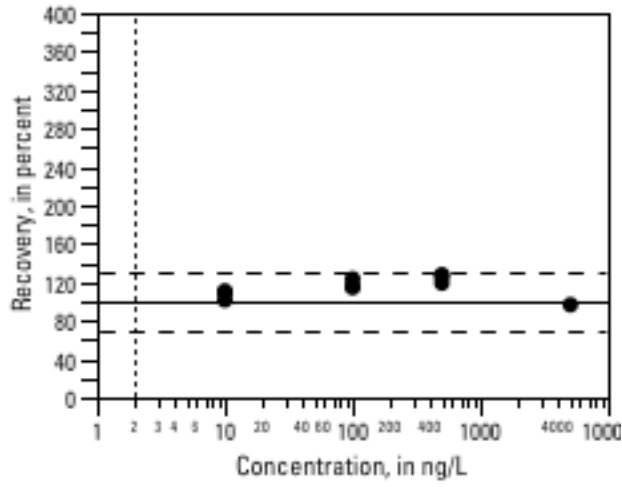
Dechlorofipronil 1N/14W-8K1S



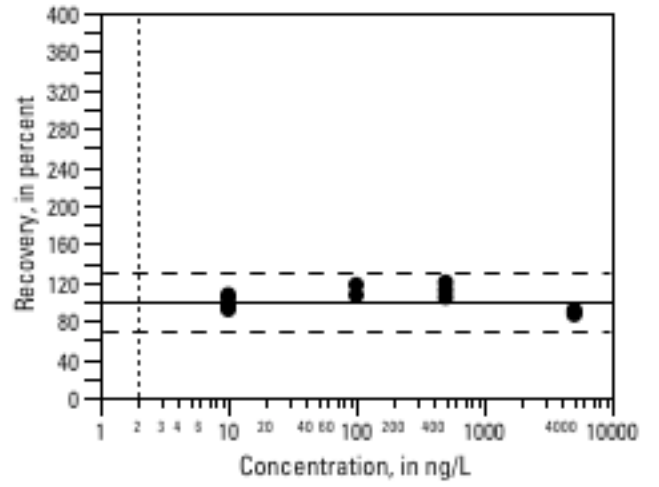
Dechlorofipronil Santa Ana Prado Dam



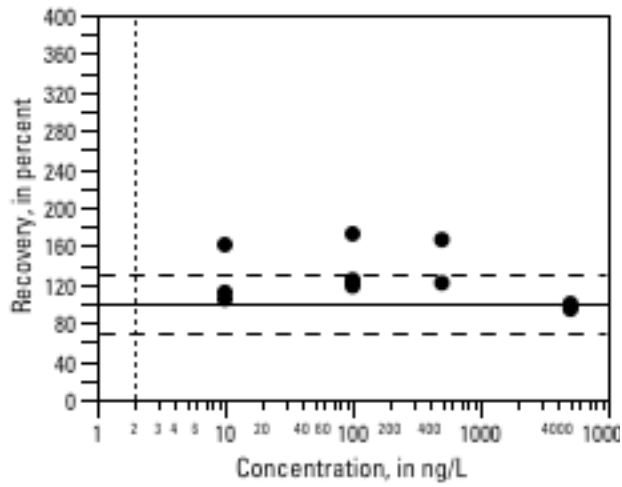
Desulfinylfipronil Reagent water



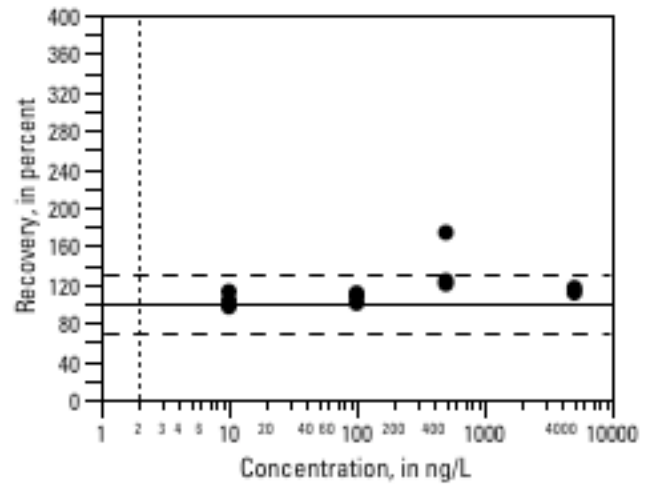
Desulfinylfipronil Mississippi River



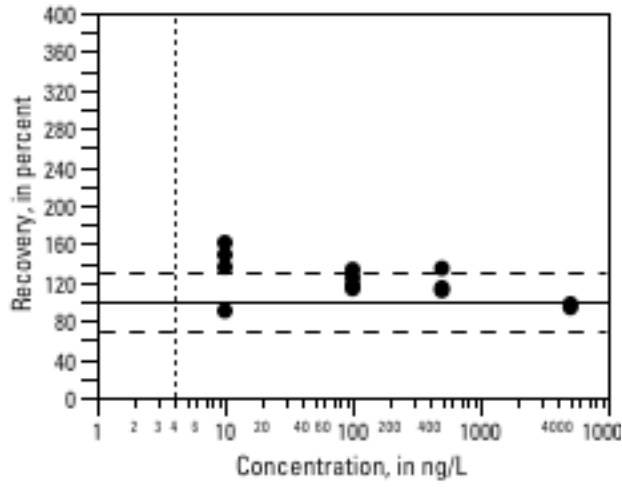
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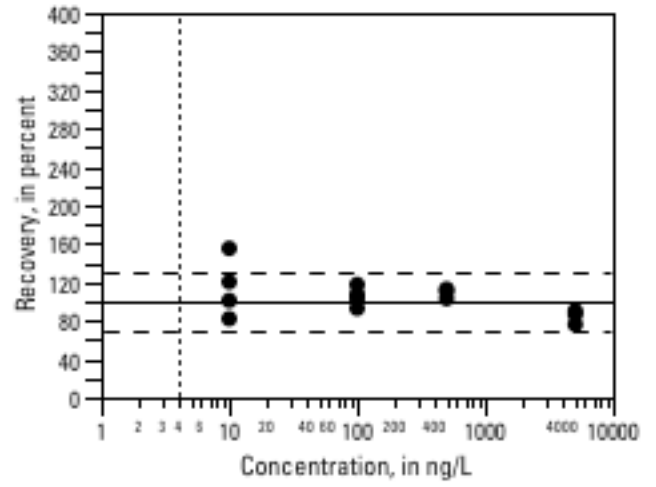
Desulfinylfipronil Santa Ana Prado Dam



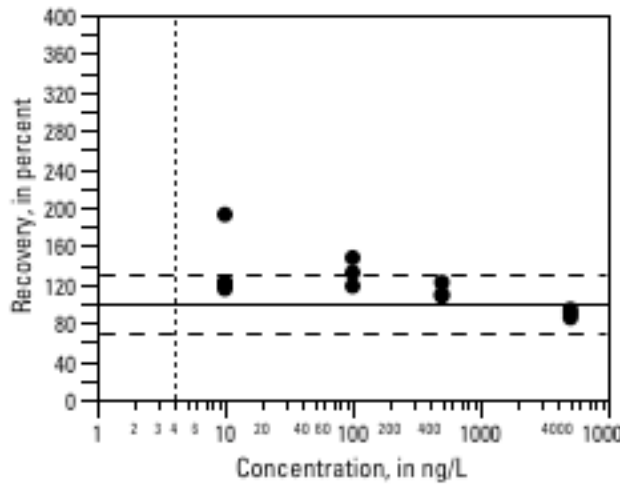
Desulfinylfipronil amide Reagent water



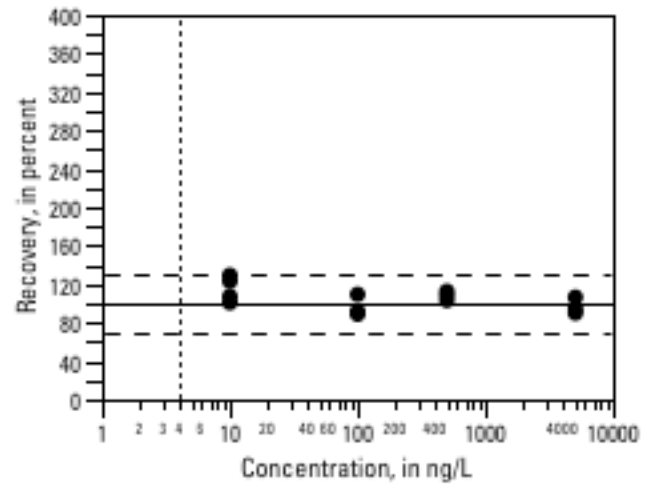
Desulfinylfipronil amide Mississippi River



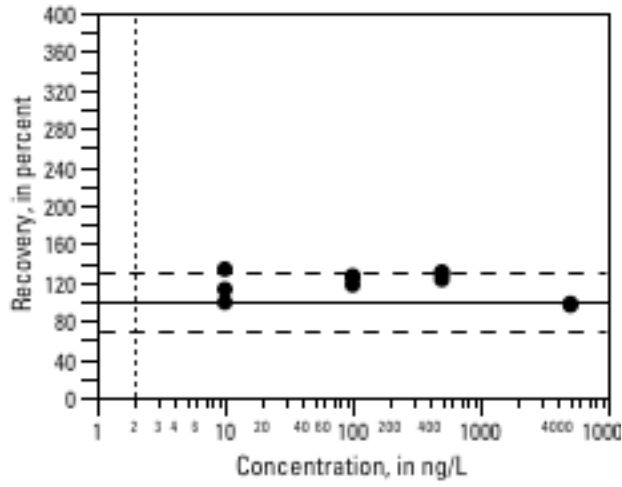
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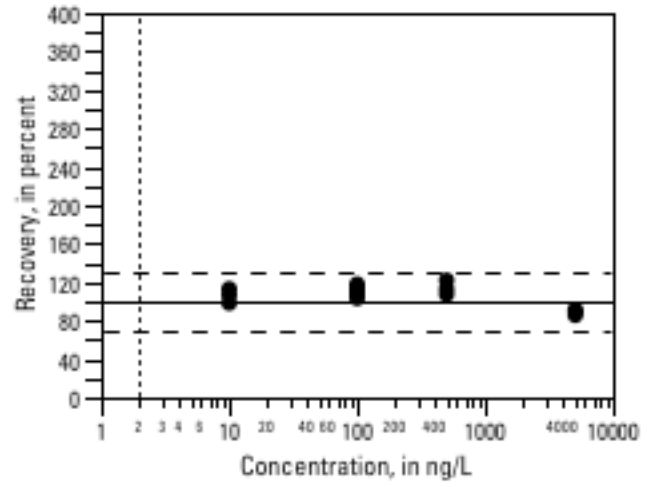
Desulfinylfipronil amide Santa Ana Prado Dam



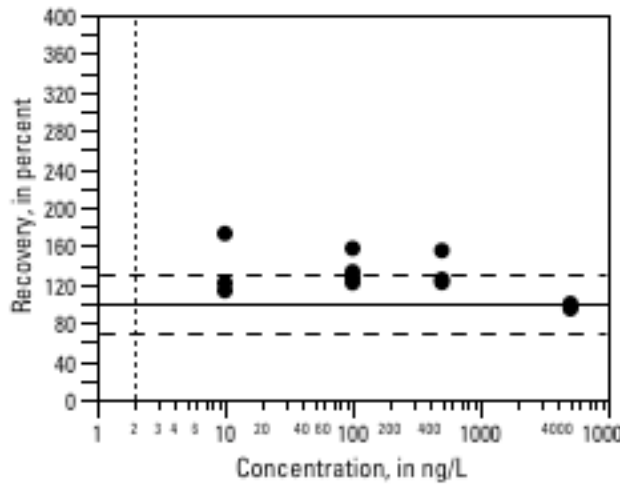
Fipronil Reagent water



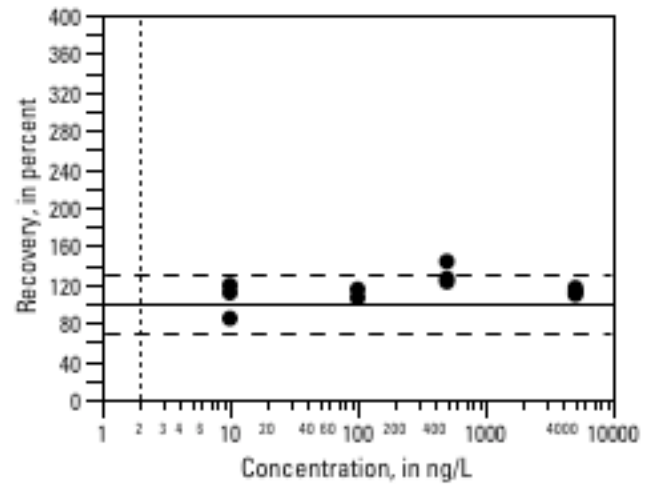
Fipronil Mississippi River



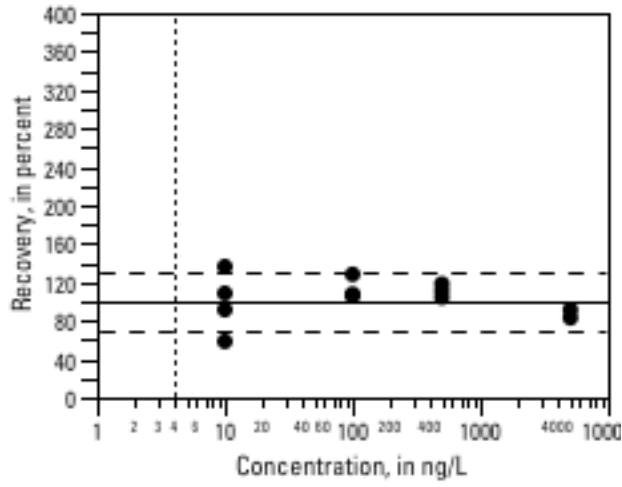
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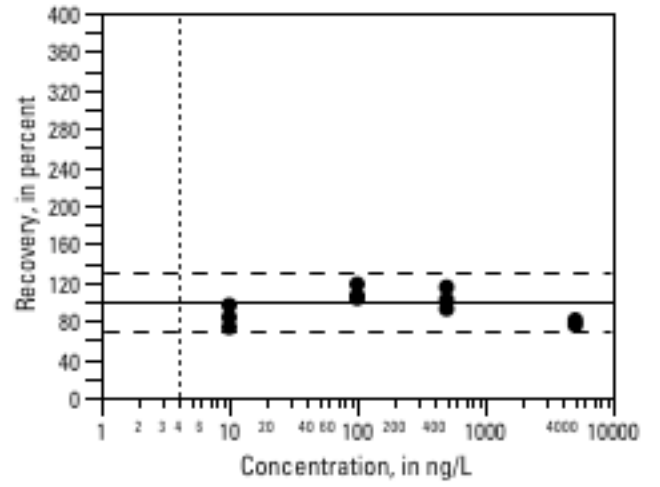
Fipronil Santa Ana Prado Dam



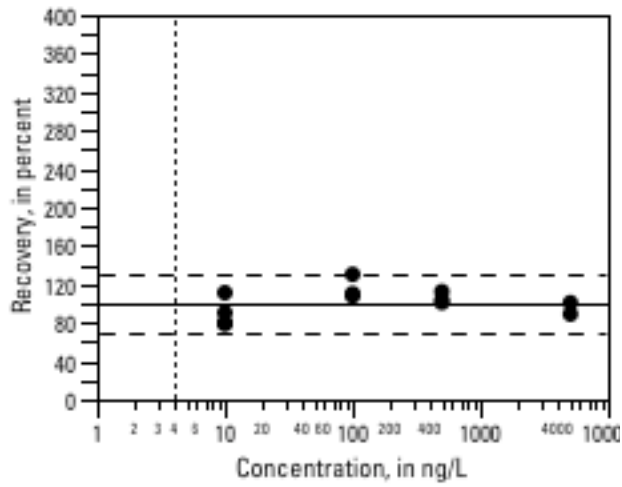
Fipronil amide Reagent water



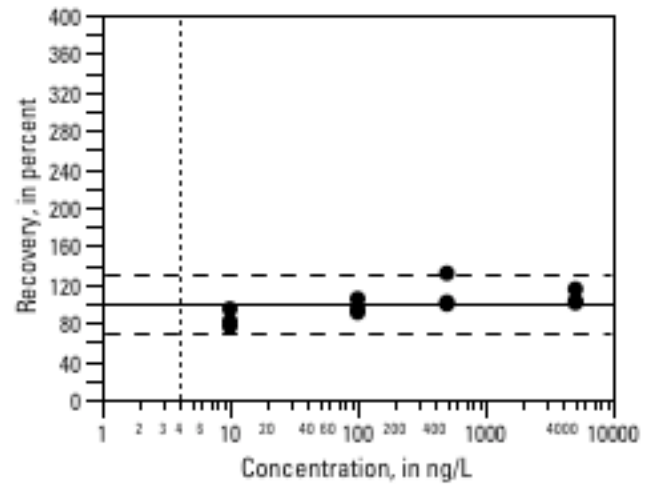
Fipronil amide Mississippi River



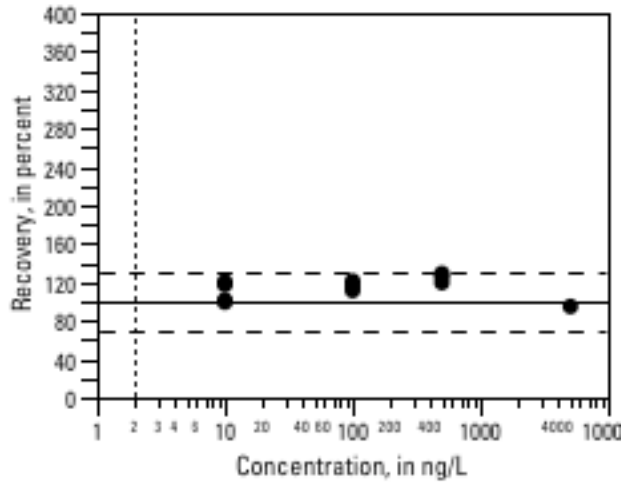
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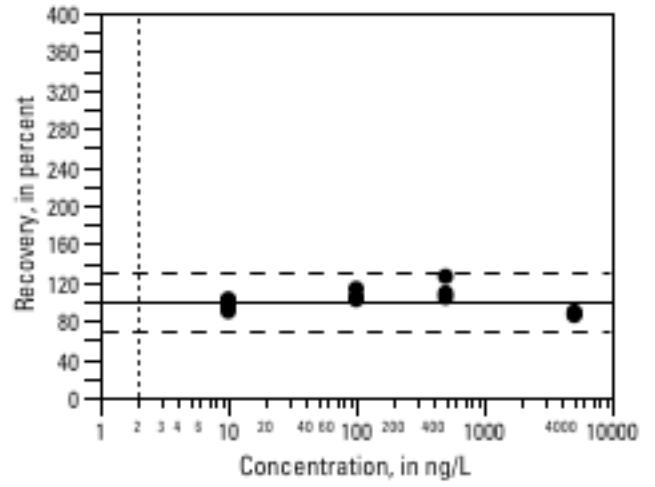
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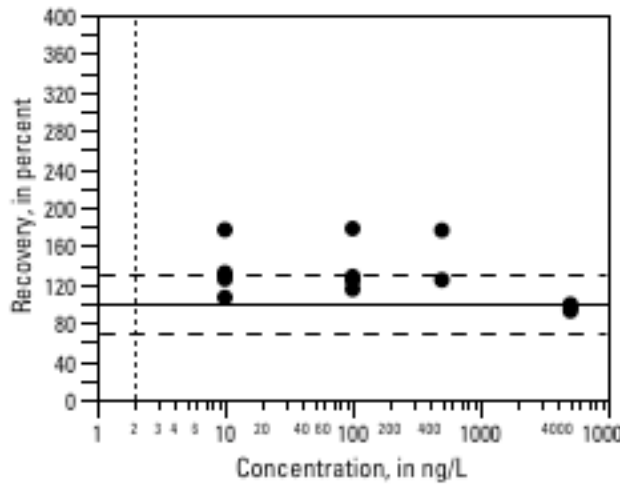
Fipronil sulfide Reagent water



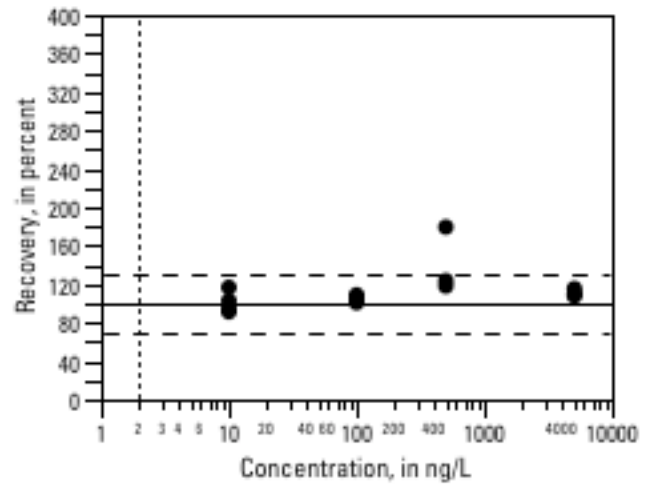
Fipronil sulfide Mississippi River



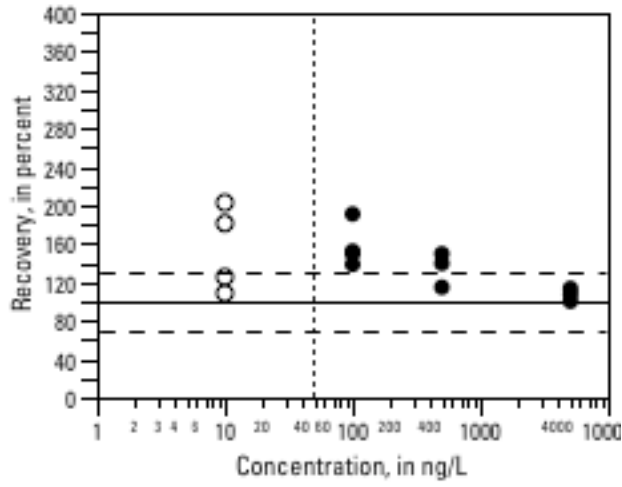
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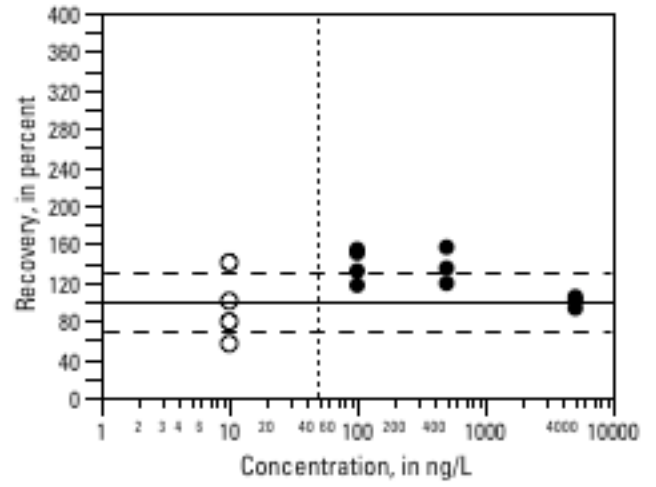
Fipronil sulfide Santa Ana Prado Dam



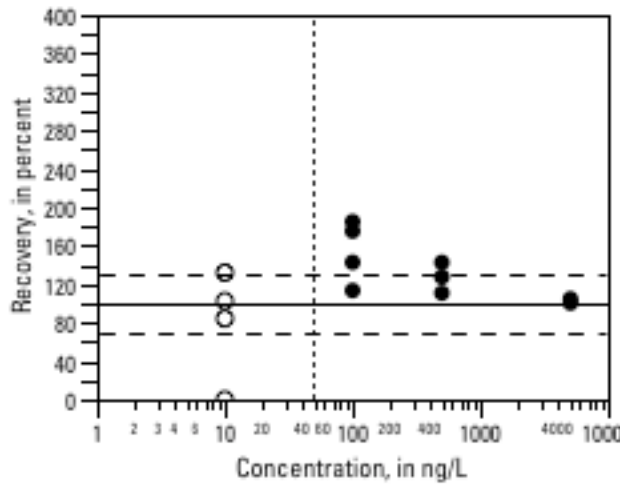
Fipronil sulfonate Reagent water



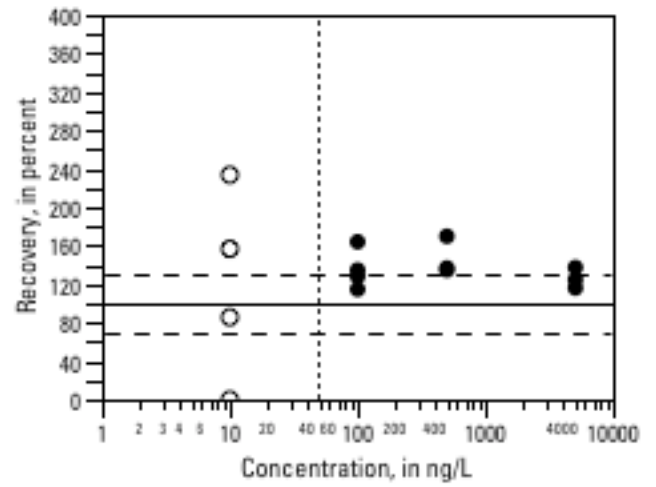
Fipronil sulfonate Mississippi River



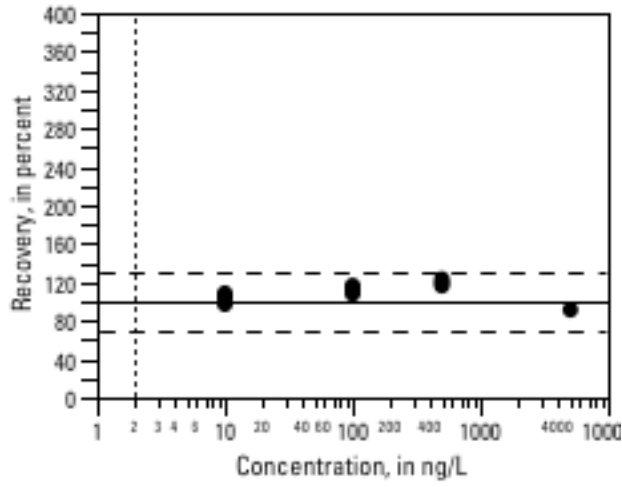
Fipronil sulfonate 1N/14W-8K1S



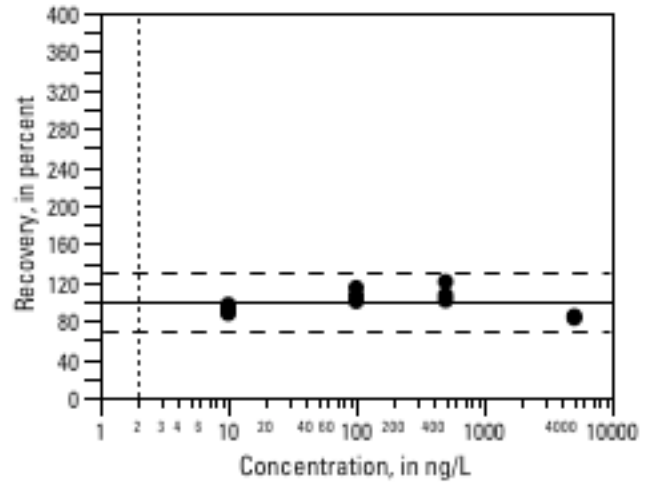
Fipronil sulfonate Santa Ana Prado Dam



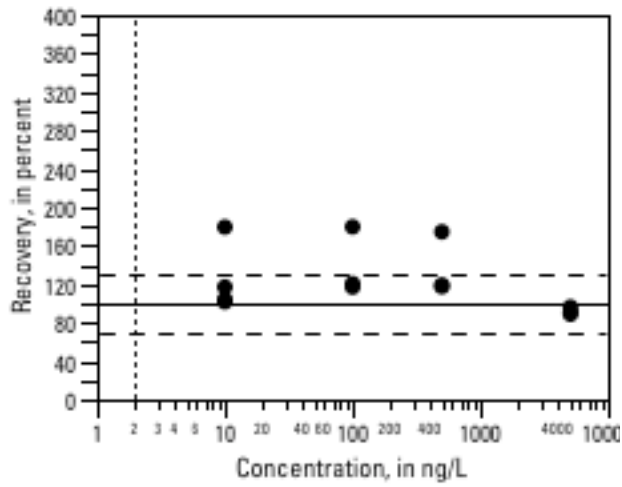
Fipronil sulfone Reagent water



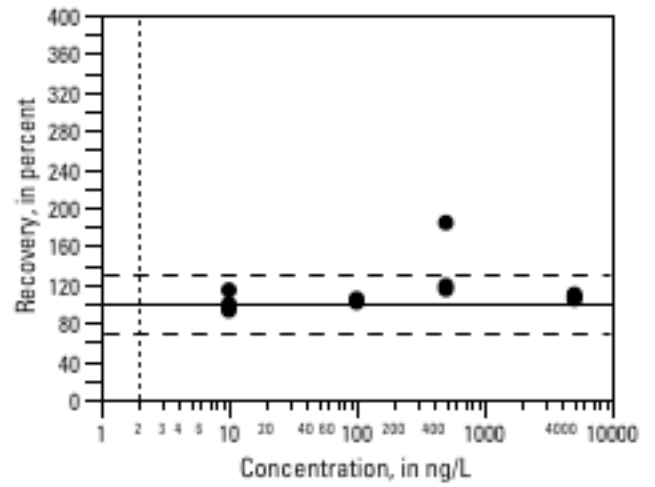
Fipronil sulfone Mississippi River



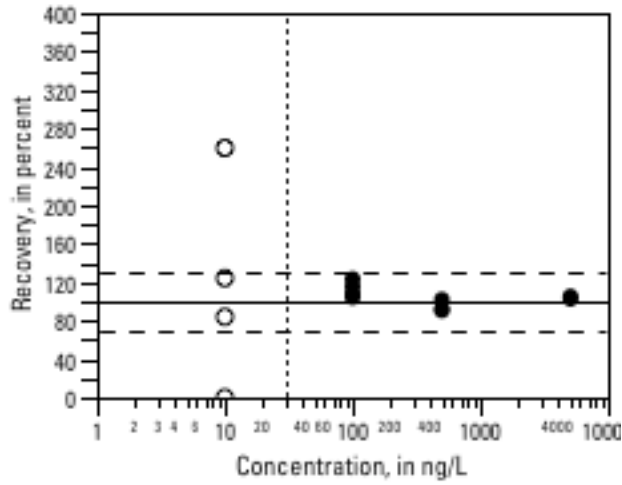
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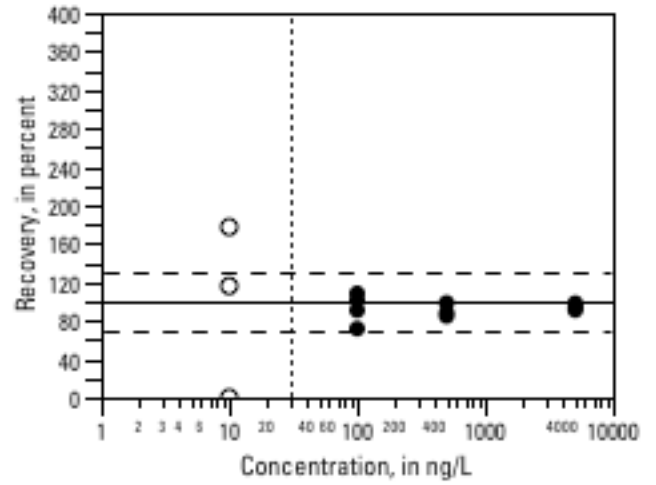
Fipronil sulfone Santa Ana Prado Dam



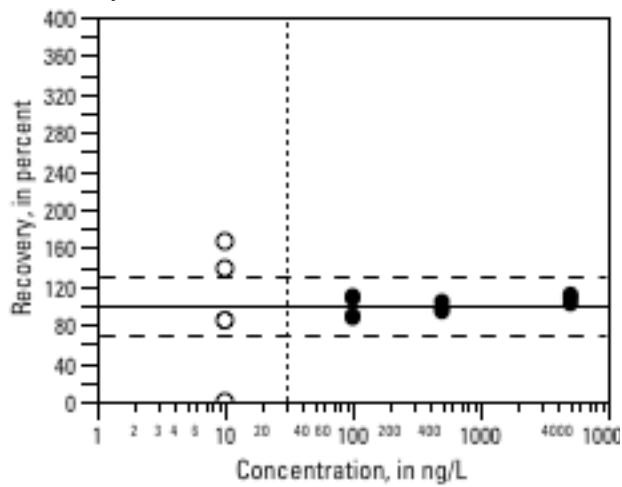
3-Phenoxybenzoic acid Reagent water



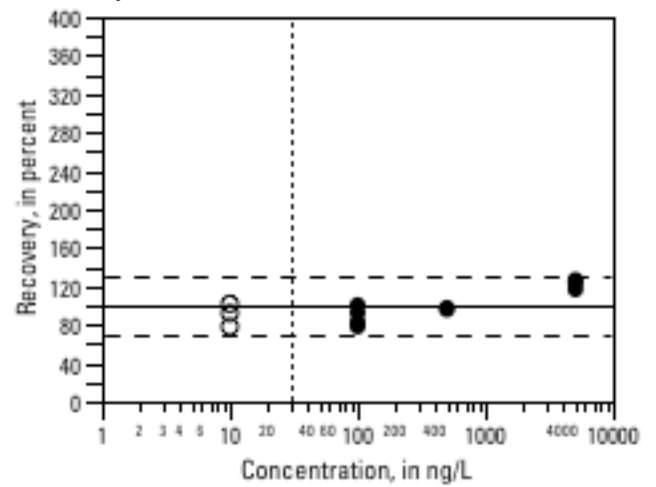
3-Phenoxybenzoic acid Mississippi River



3-Phenoxybenzoic acid 1N/14W-8K1S

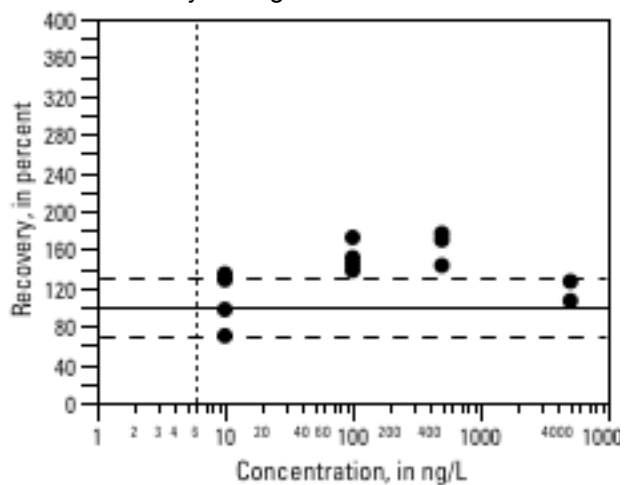


3-Phenoxybenzoic acid Santa Ana Prado Dam

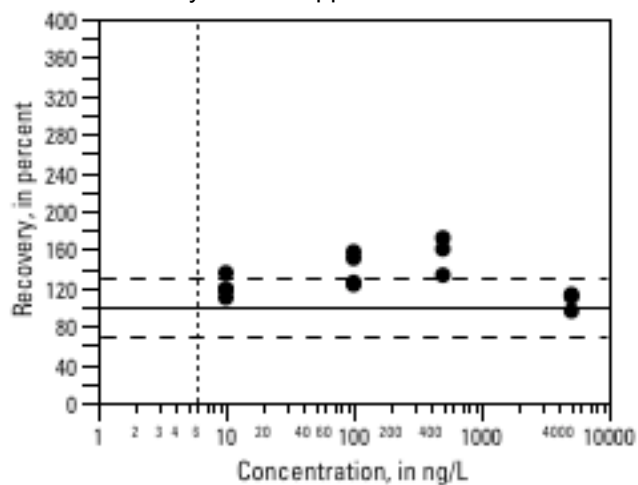


Sulfonylurea and Urea

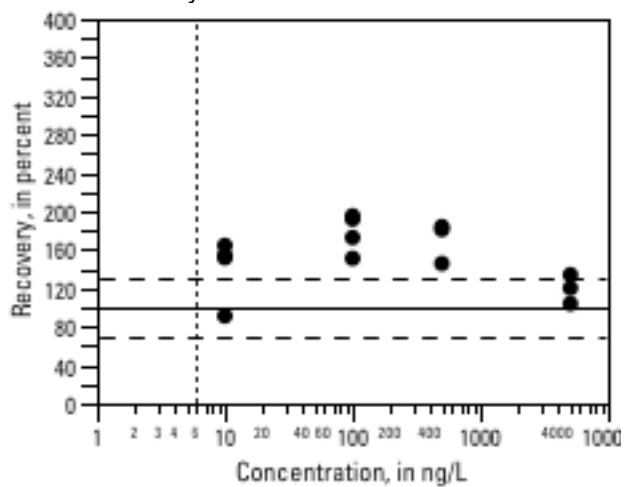
Chlorimuron-ethyl Reagent water



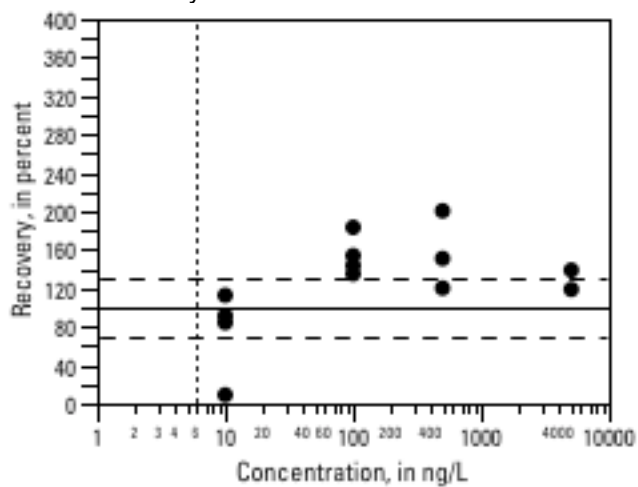
Chlorimuron-ethyl Mississippi River



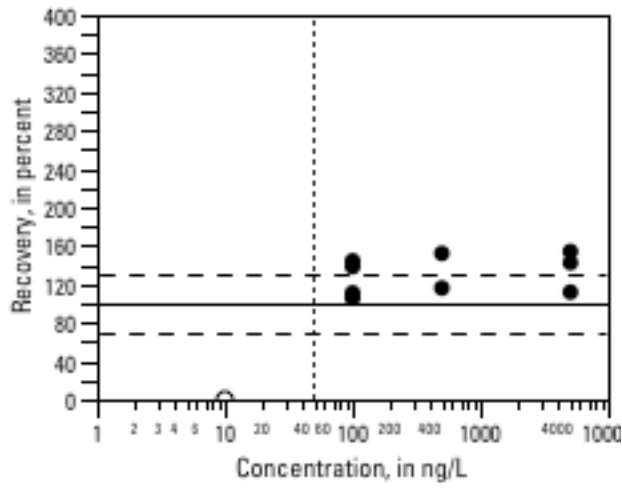
Chlorimuron-ethyl 1N/14W-8K1S



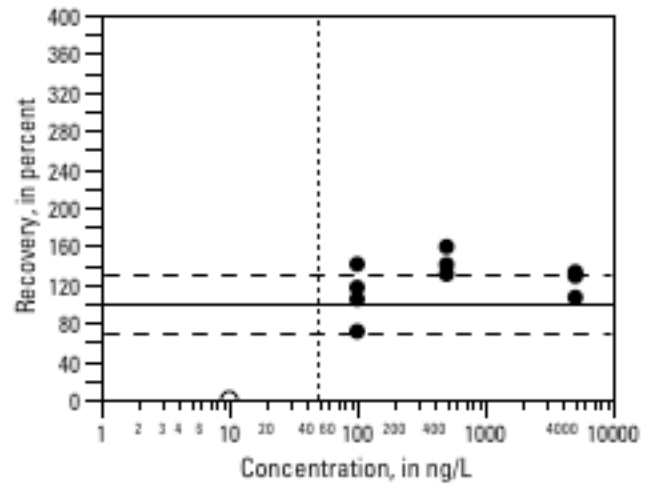
Chlorimuron-ethyl Santa Ana Prado Dam



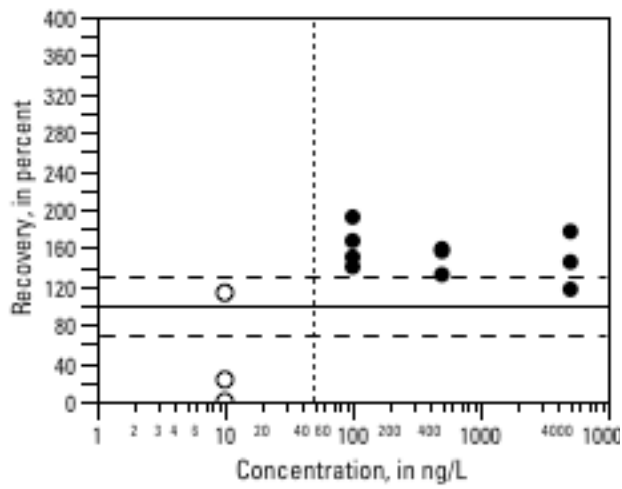
Chlorsulfuron Reagent water



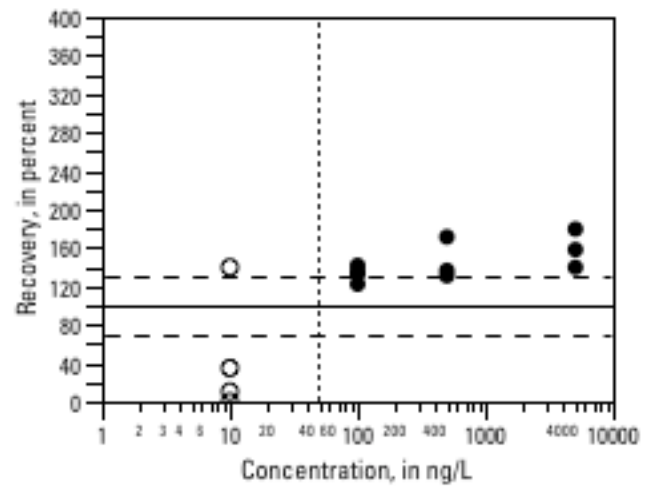
Chlorsulfuron Mississippi River



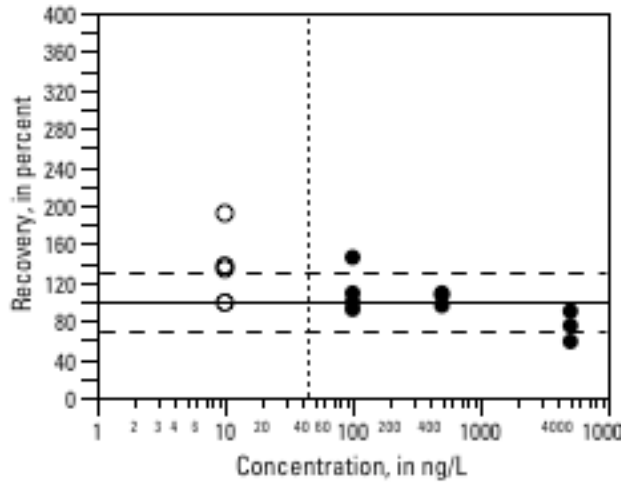
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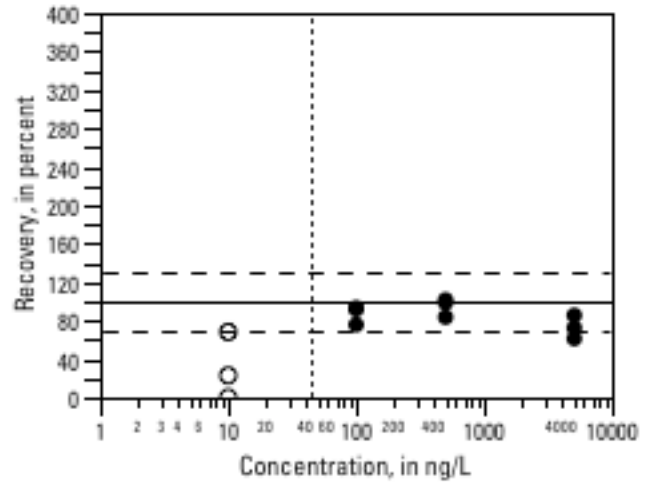
Chlorsulfuron Santa Ana Prado Dam



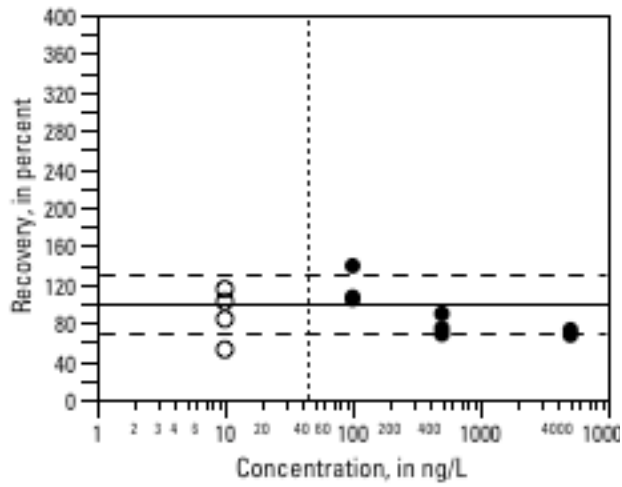
Diflufenzopyr Reagent water



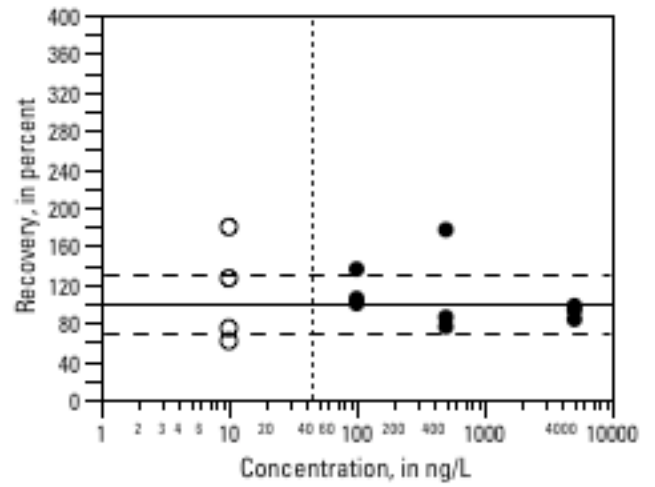
Diflufenzopyr Mississippi River



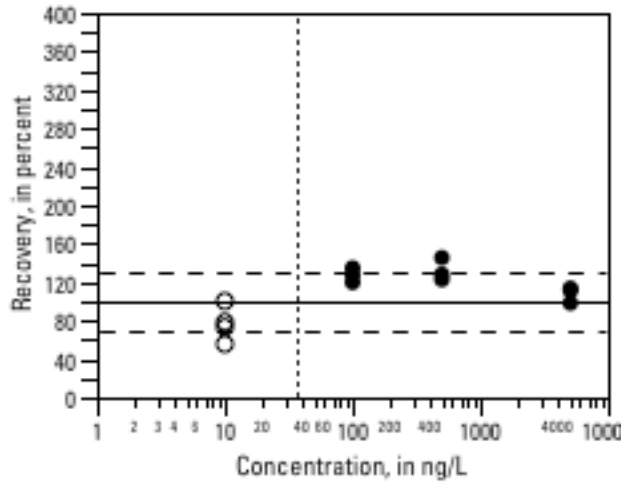
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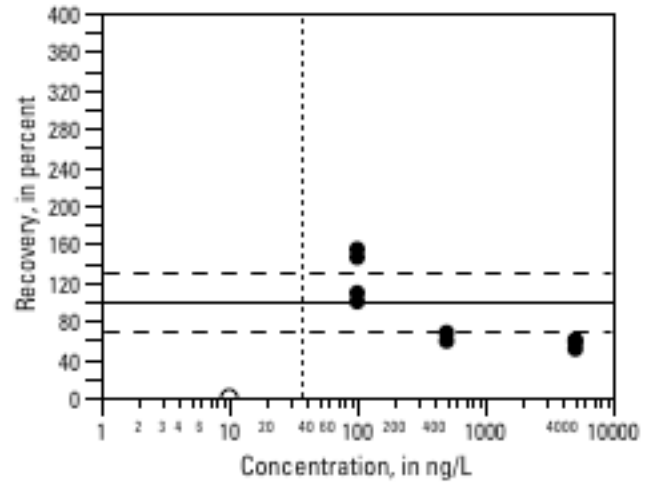
Diflufenzopyr Santa Ana Prado Dam



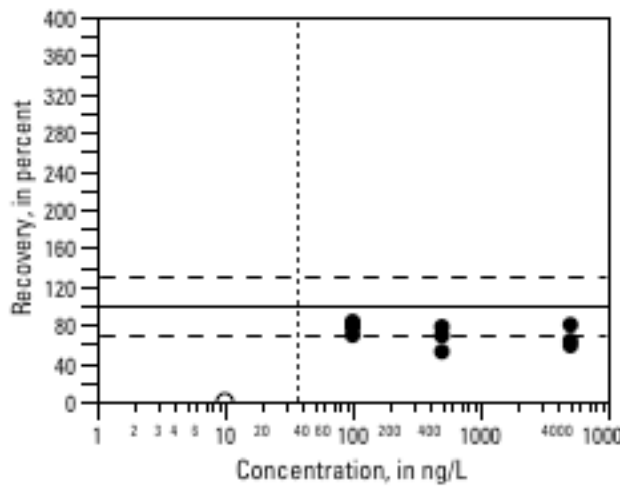
Chlorosulfonamide acid Reagent water



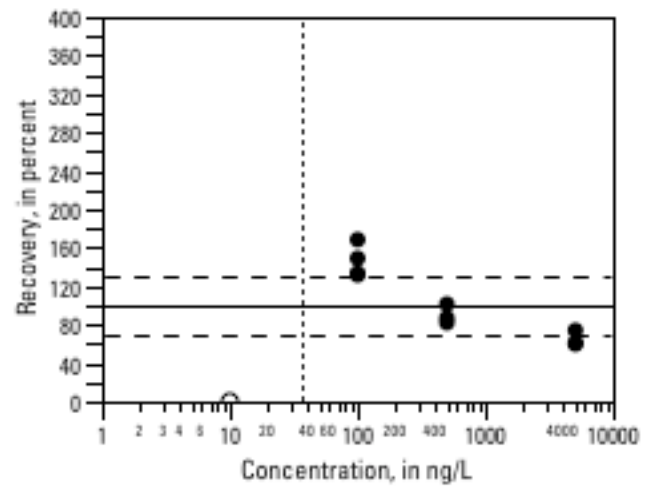
Chlorosulfonamide acid Mississippi River



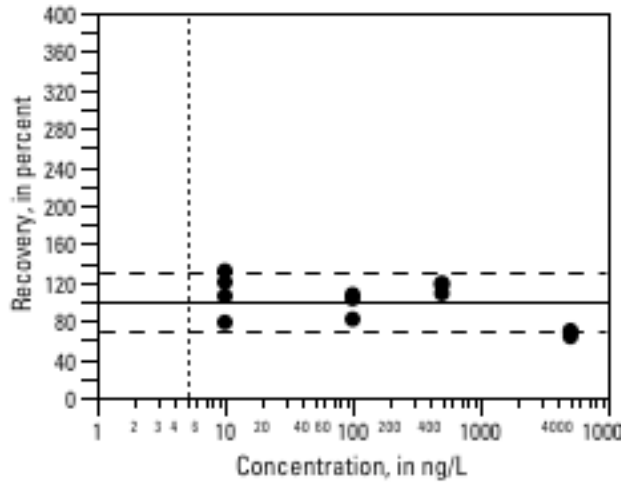
Chlorosulfonamide acid 1N/14W-8K1S



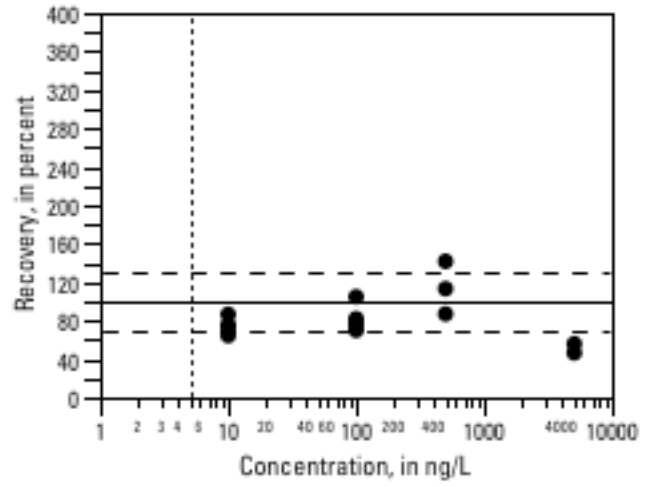
Chlorosulfonamide acid Santa Ana Prado Dam



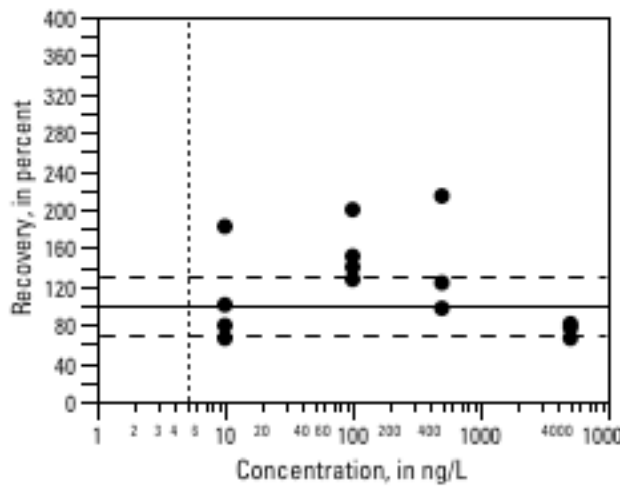
Novaluron Reagent water



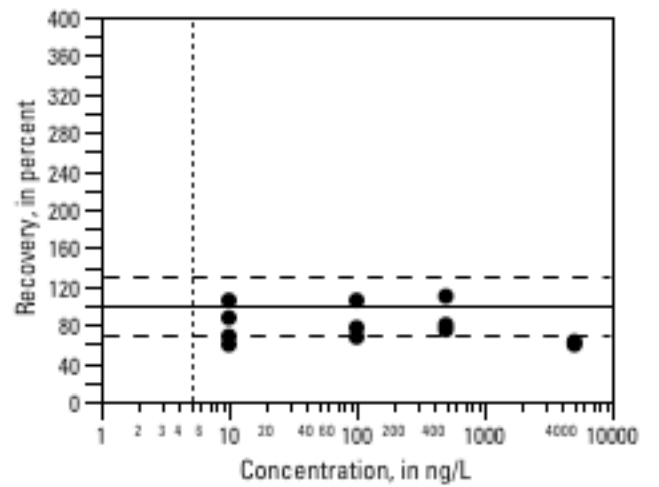
Novaluron Mississippi River



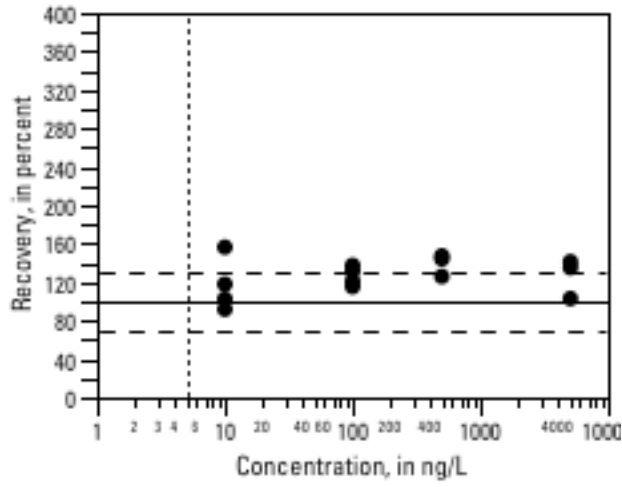
Novaluron 1N/14W-8K1S



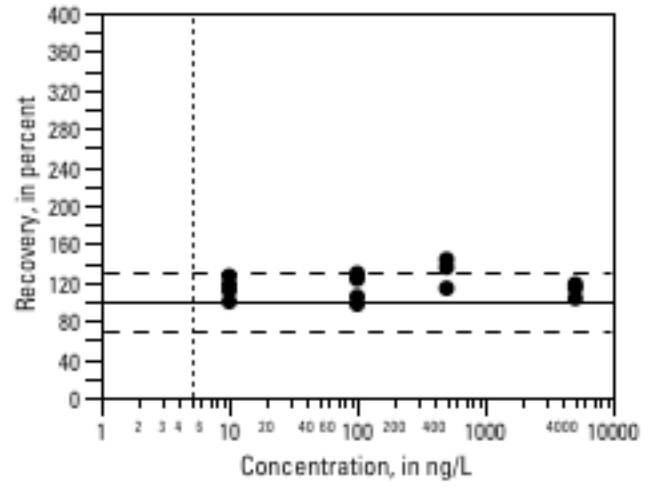
Novaluron Santa Ana Prado Dam



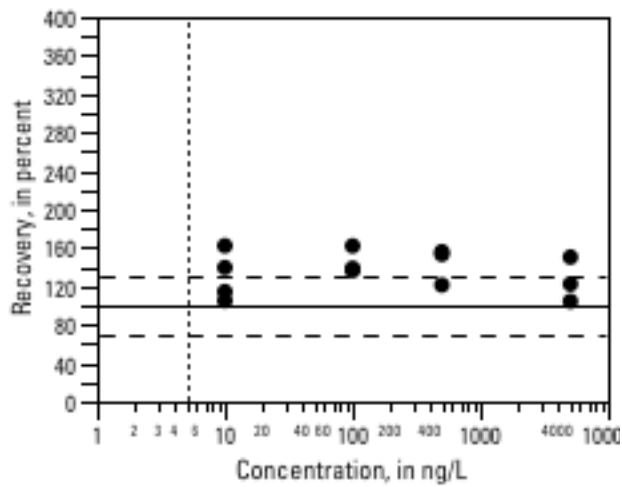
Prosulfuron Reagent water



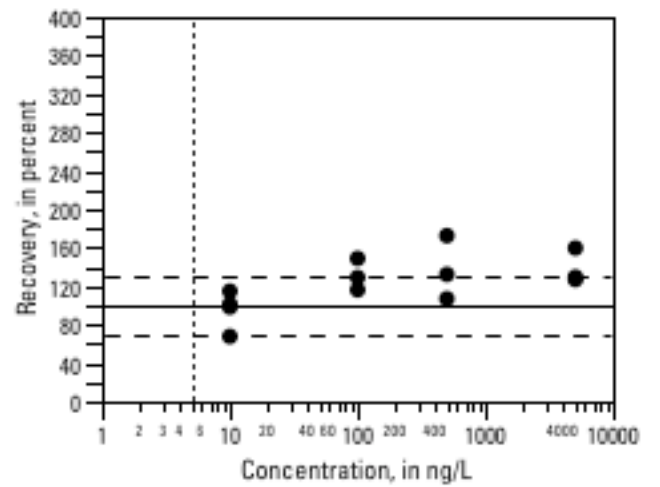
Prosulfuron Mississippi River



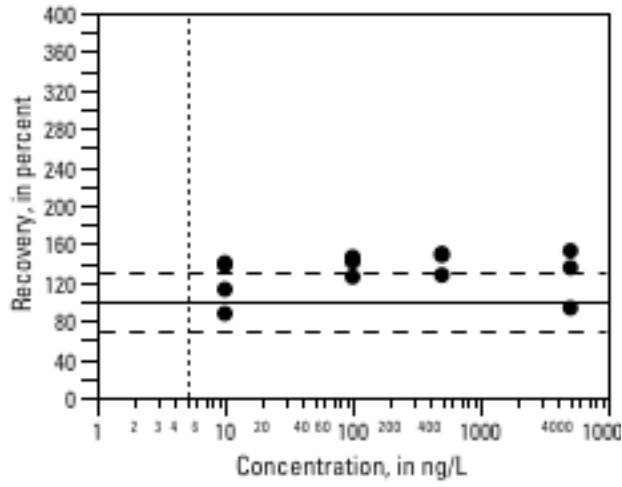
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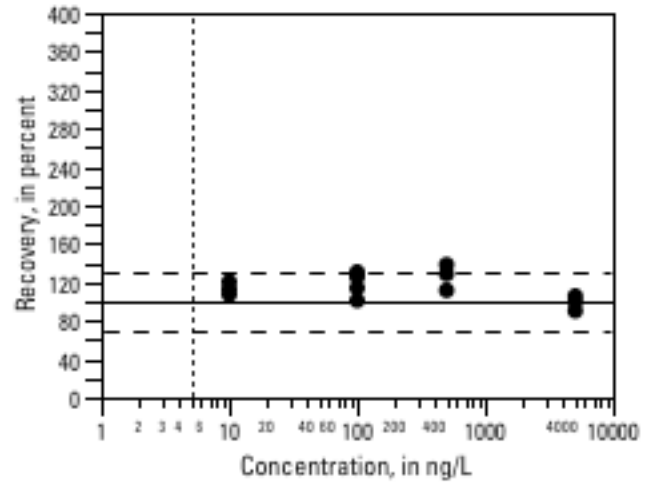
Prosulfuron Santa Ana Prado Dam



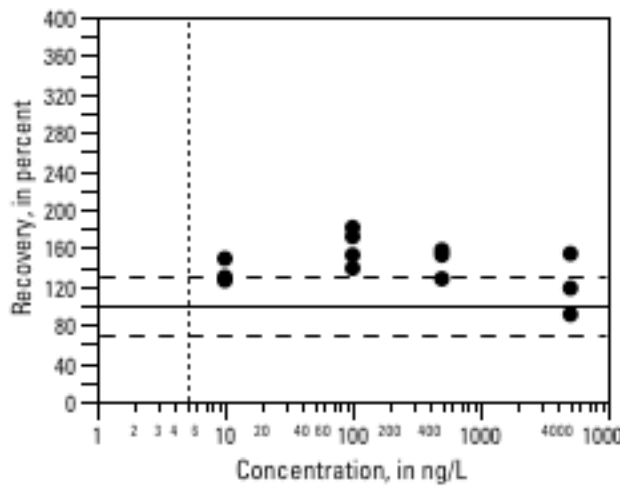
Sulfentrazone Reagent water



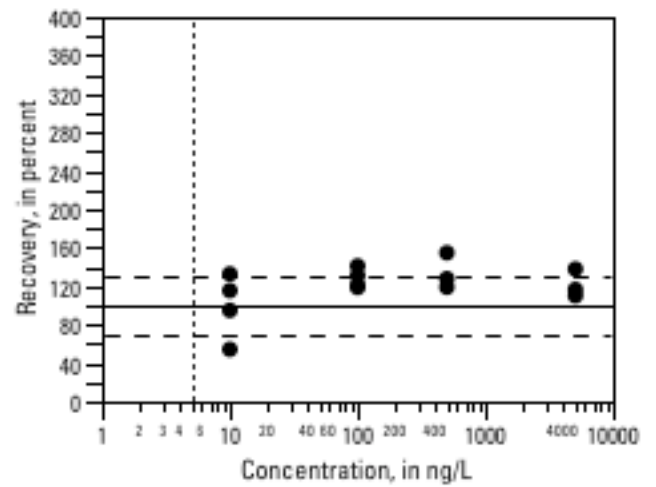
Sulfentrazone Mississippi River



Sulfentrazone 1N/14W-8K1S

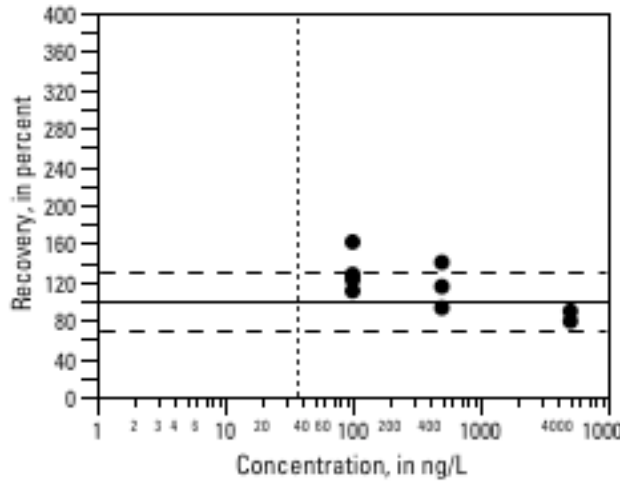


Sulfentrazone Santa Ana Prado Dam

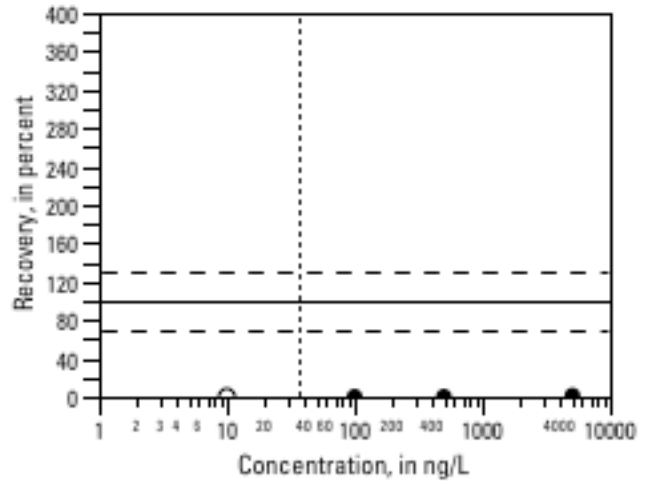


Triazine

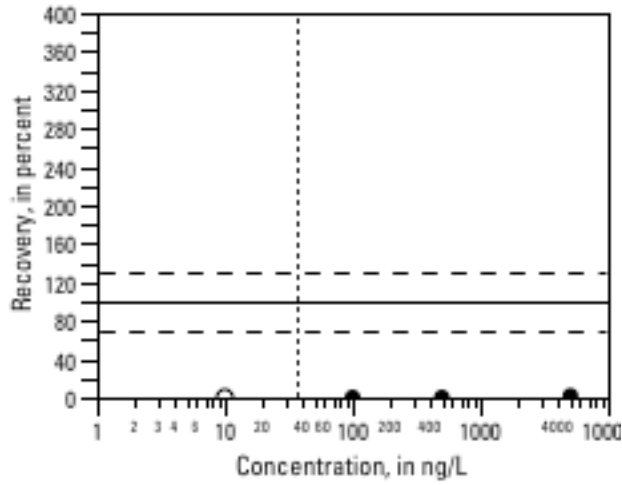
Ammelide Reagent water



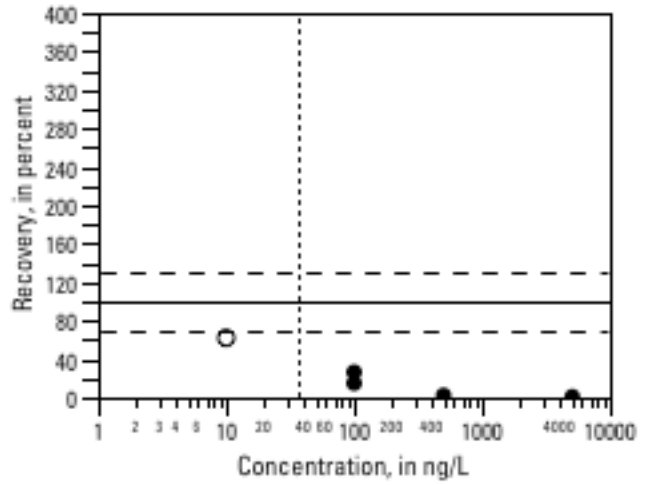
Ammelide Mississippi River



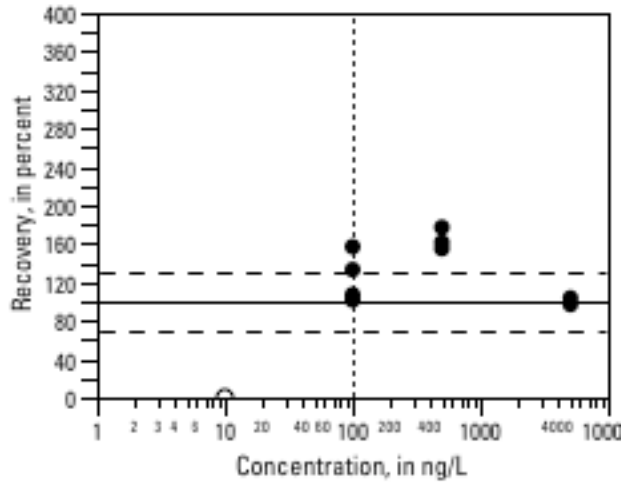
Ammelide 1N/14W-8K1S



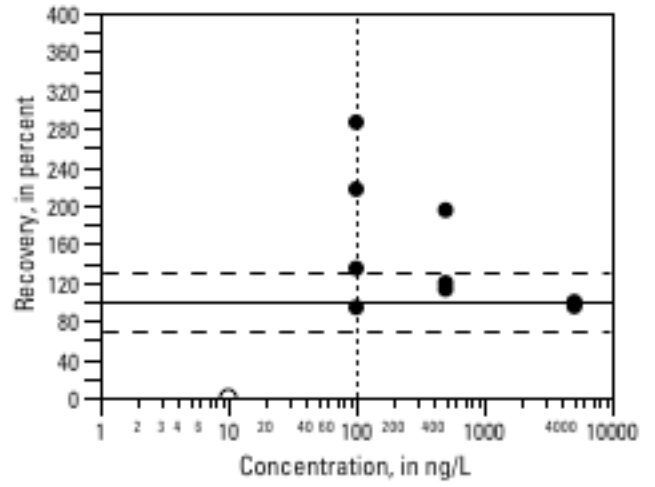
Ammelide Santa Ana Prado Dam



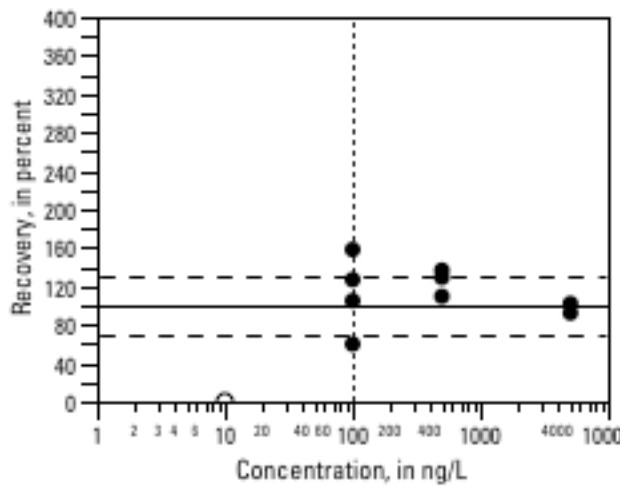
Hexazinone TP D Reagent water



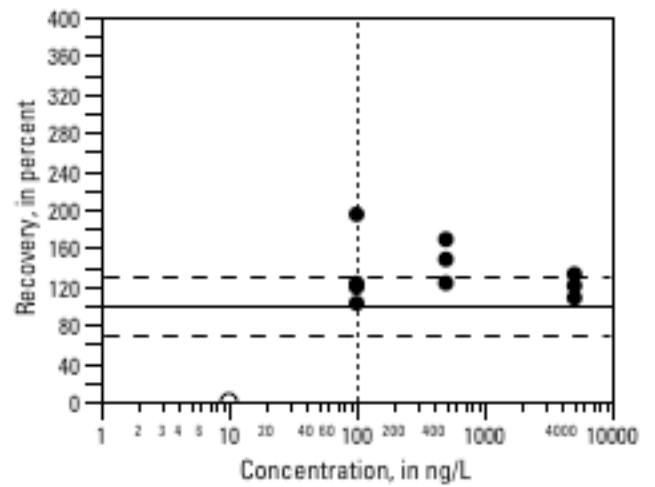
Hexazinone TP D Mississippi River



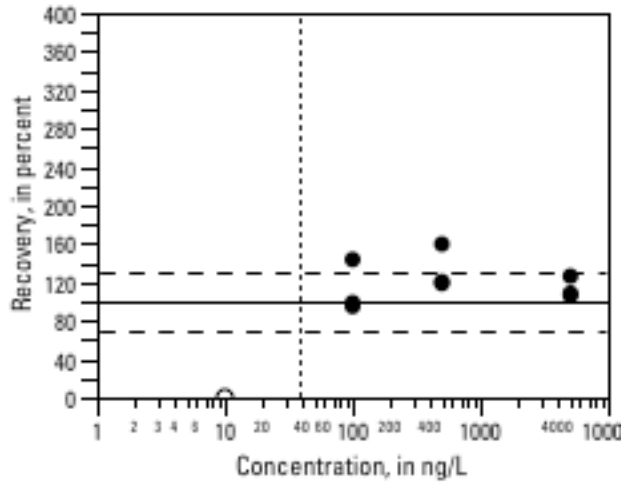
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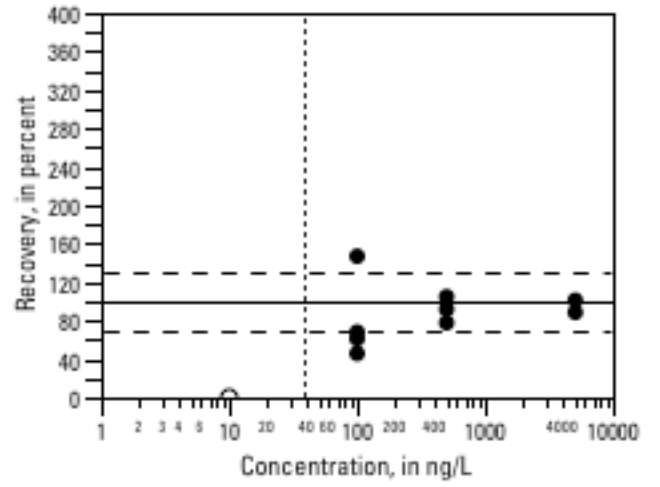
Hexazinone TP D Santa Ana Prado Dam



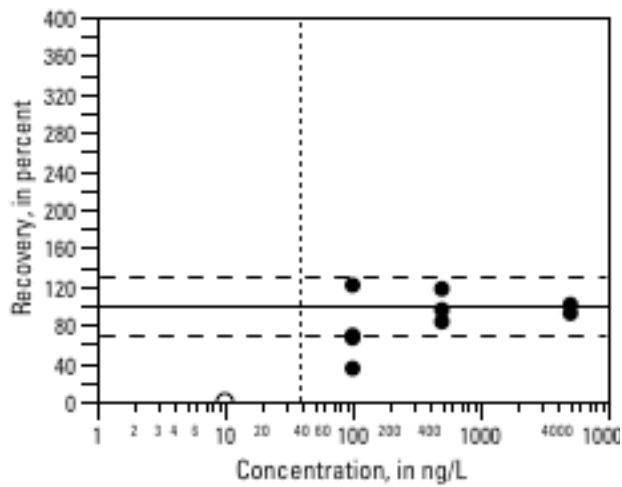
Hexazinone TP E Reagent water



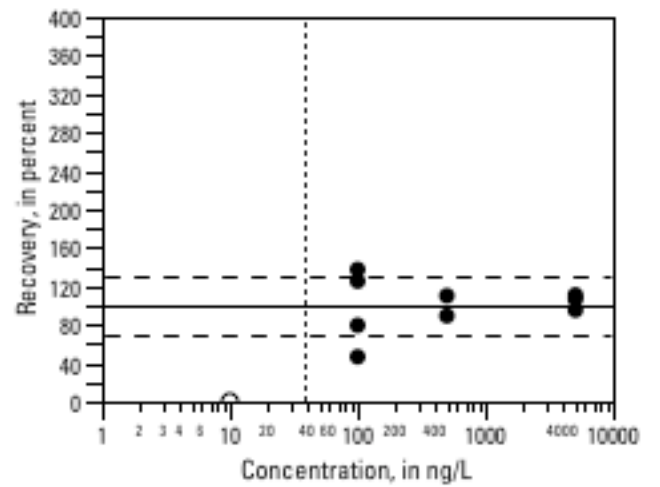
Hexazinone TP E Mississippi River



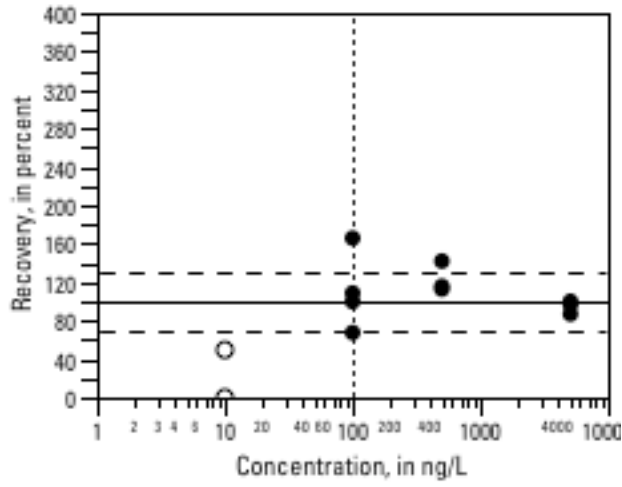
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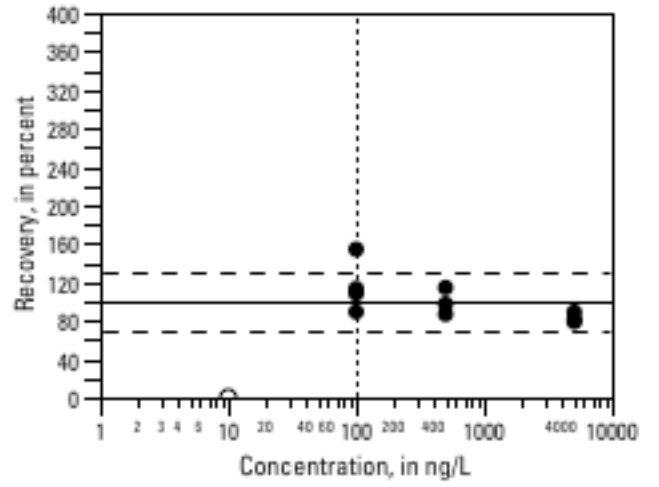
Hexazinone TP E Santa Ana Prado Dam



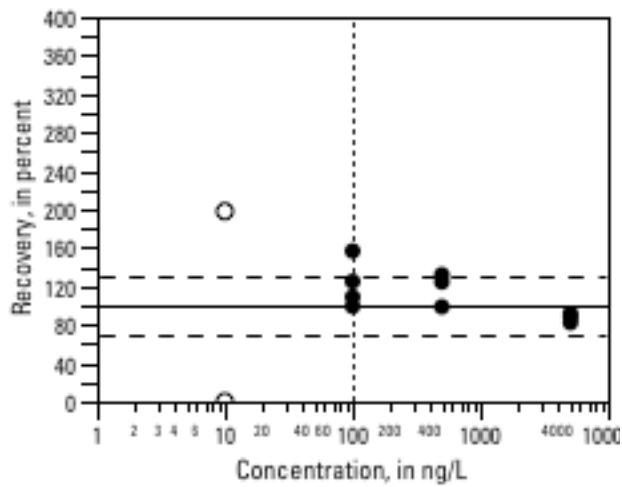
Metribuzin DADK Reagent water



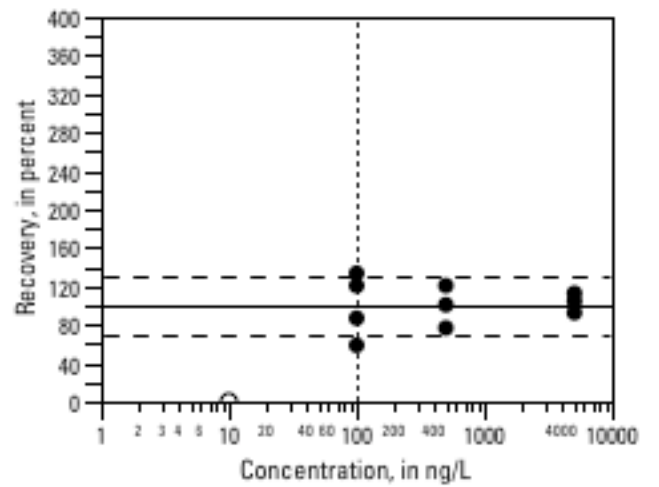
Metribuzin DADK Mississippi River



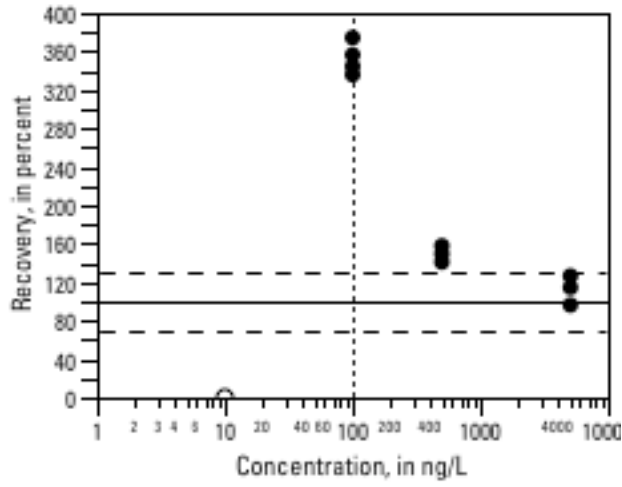
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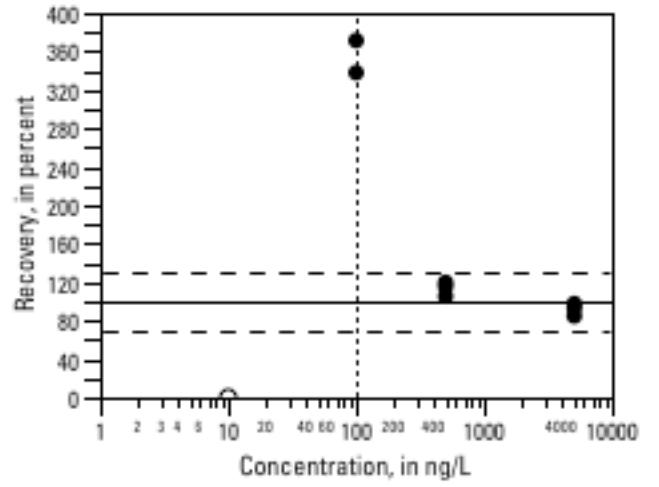
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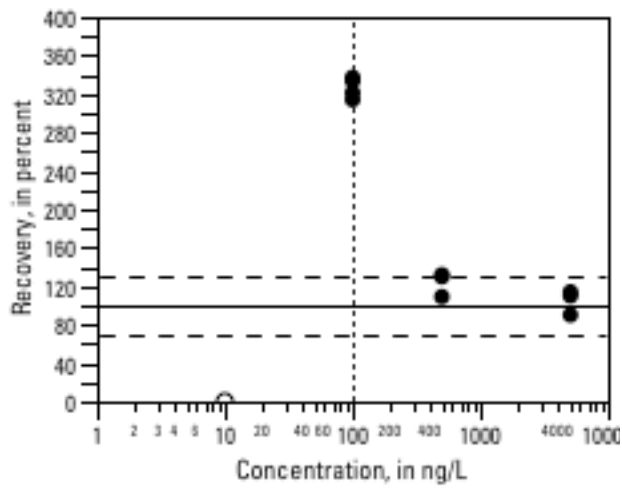
Metribuzin DK Reagent water



Metribuzin DK Mississippi River



Metribuzin DK 1N/14W-8K1S



Metribuzin DK Santa Ana Prado Dam

