

APPENDIX A: ECOTOX SEARCH PLANNING FORM

Use this form to help plan your searches or to document searches for yourself or others to perform.

Chemicals

Chemical Names	CAS Numbers	Predefined Groups	
		Metal Compounds	Organic Compounds
		Aluminum	Conazoles
		Antimony	Cyanide
		Arsenic	Cyanotoxins
		Barium	DDT and metabolites
		Beryllium	Dibenzofurans
		Cadmium	Explosives
		Chromium	Glycol Ethers
		Cobalt	Major Ions
		Copper	Neonicotinoids
		Iron	Nitrosamines
		Lead	Per- and Polyfluoroalkyl
		Manganese	Substances (PFAS)
		Mercury	Perchlorates
		Nickel	Pharmaceutical Personal Care (PPCP)
		Organotin	Phthalate Esters
		Selenium	Polyaromatic Hydrocarbons (PAH)
		Silver	Polybrominated Diphenyl Ethers (PBDE)
		Thallium	Polychlorinated Biphenyls (PCB)
		Vanadium	Strobins
		Zinc	

Species

Scientific Names/ Taxonomic Levels	Common Names	Species ECOTOX Numbers or NCBI TaxIDs	Predefined Taxonomic Groups
			All Animals Amphibians Insects/Spiders Molluscs Birds Other Invertebrates Reptiles Crustaceans Mammals Worms Fish All Plants Algae Moss, Hornworts Fungi Flowers, Trees, Shrubs, Ferns Special Interest Standard Test Species US Threatened/Endangered Species US Exotic/Nuisance

Test Results

Endpoints: _____

Effect Groups:

☐ Accumulation ☐ Mortality
☐ Behavior ☐ Multiple
☐ Biochemical ☐ Physiology
☐ Cellular ☐ Population
☐ Ecosystem ☐ Reproduction
☐ Growth
☐ Specific Effect Measurements _____
☐ Exclude Post-exposure Measurements

Test Conditions

Test Location(s):

☐ Lab ☐ All Field Tests ☐ Not Reported
 ☐ Field Artificial
 ☐ Field Natural
 ☐ Field Undeterminable

Exposure Media:

WATER: ☐ Freshwater ☐ Saltwater ☐ Fresh or Saltwater Not Specified
SOIL: ☐ Artificial ☐ Humus ☐ Litter ☐ Manure ☐ Mineral Soil ☐ Natural Soil
 ☐ Unspecified Soil ☐ Soil Mixture
ARTIFICIAL: ☐ Hydroponic ☐ Other
☐ No Substrate
☐ Not Reported

Exposure Type:

☐ Oral ☐ Flow-through (aquatic)
☐ Injection ☐ Leaching (aquatic)
☐ Topical ☐ Intermittent (aquatic)
☐ Environmental ☐ Renewal (aquatic)
☐ Multiple Entry ☐ Lotic (aquatic)
☐ In-vitro ☐ Static (aquatic)
 ☐ Lentic (outdoor aquatic)
 ☐ Tidal (outdoor aquatic)
 ☐ Unspecified (aquatic)

Control Type:

☐ Concurrent
☐ Multiple
☐ Baseline
☐ Solvent
☐ Positive
☐ Undefined
☐ Other

Historical Control Type:

☐ Insufficient
☐ Satisfactory
☐ Unsatisfactory

Control Not Reported:

☐ Not Reported

Chemical Analysis: ☐ Measured ☐ Unmeasured ☐ Not Reported

Duration: specific # of Days: ____ range of Days: \geq ____ \leq ____

Publications

Publication Years: _____

Author: _____

Reference Number(s): _____

Independently Compiled Data:

_____ EPA: Fathead Minnow Acute Toxicity

_____ EPA: Office of Pesticide Program Database

_____ Dutch Dataset

_____ French Dataset

_____ German Dataset

_____ Russian Dataset

_____ USGS Acute Toxicity Dataset

Recent Update Dates: _____

Report Output

Aquatic Output Elements Standard default output elements are listed in bold . Some output options are available for Field Data only and are indicated by 'field only'.	Terrestrial Output Elements Standard default output elements are listed in bold . Some output options are available for Field Data only and are indicated by 'field only'.
<ul style="list-style-type: none"> ___ Alkalinity ___ Application Date (field only) ___ Application Date /Season (field only) ___ Application Frequency ___ Application Rate (field only) ___ Application Type (field only) ___ Author ___ BCF Value ___ Calcium ___ CAS Number ___ CAS Number/ Chemical Name ___ Chemical DTXSID ___ Chemical Analysis ___ Chemical Carrier (includes all associated fields) ___ Chemical Comments ___ Chemical Formulation ___ Chemical Grade ___ Chemical Half Life (field only) ___ Chemical Name ___ Chemical Purity ___ Chemical Radiolabel ___ Chlorine ___ Concentration (Author) ___ Concentration (Standardized) ___ Conductivity ___ Control ___ Dissolved Inorganic Carbon ___ Dissolved Oxygen ___ Doses ___ EE Comment ___ Effect ___ Effect % ___ Effect Measurement ___ Effect /Effect Measurement ___ Endpoint ___ Endpoint Assignment ___ Endpoint / BCF value ___ Experimental Design ___ Exposure Duration (Author) ___ Exposure Duration (Days) ___ Exposure Sample Number ___ Exposure Type ___ Exposure Type/Chemical Analysis method ___ Gender ___ General comments ___ Geographic Term (Field Data Only) ___ Geographic Location (Field Data Only) ___ Habitat ___ Hardness ___ Humic Acid ___ Intake Rate ___ Ionic Fraction ___ Longitude/Latitude (Field Data Only) ___ Magnesium ___ Media Type ___ Media Type/Test Location ___ Number of Doses ___ Number of Doses/Result Sample Unit 	<ul style="list-style-type: none"> ___ Application Date (field only) ___ Application Date /Season (field only) ___ Application Frequency ___ Application Rate (field only) ___ Author ___ CAS Number/ Chemical Name ___ Chemical DTXSID ___ Chemical Analysis Method ___ Chemical Carrier (includes all associated fields) ___ Chemical Comment ___ Chemical Formulation ___ Chemical Grade ___ Chemical Half Life (field only) ___ Chemical Name ___ Chemical Purity ___ Chemical Radiolabel ___ Conc (Author) (Excel and Delimited only) ___ Control Type ___ Dose (Author) ___ Doses ___ EE Comment ___ Effect ___ Effect % ___ Effect Measurement ___ Endpoint ___ Endpoint Assignment ___ Endpoint / BCF/BAF ___ Experimental Design ___ Exposure Comment ___ Exposure Duration (Author) ___ Exposure Duration (Days) ___ Exposure Sample Number ___ Exposure Type ___ Exposure Type/Chemical Analysis method ___ Gender ___ General comments ___ Geographic Term (Field Data Only) ___ Geographic Location (Field Data Only) ___ Habitat ___ Intake Rate ___ Ionic Fraction ___ Longitude/Latitude (Field Data Only) ___ Media Cation Exchange Capacity ___ Media Moisture ___ Media Organic Matter and Type ___ Media Type ___ Media Type/Test Location ___ Number of Doses ___ Number of Replicates ___ Observed Duration (Author) ___ Observed Duration (Days) ___ Observed Response [includes BCF/BAF] ___ Organism Age ___ Organism Comment ___ Organism Initial Weight ___ Organism Length ___ Organism Lifestage

<input type="checkbox"/> Number of Replicates <input type="checkbox"/> Observed Duration (Author) <input type="checkbox"/> Observed Duration (Days) <input type="checkbox"/> Organic Carbon Type/Value <input type="checkbox"/> Organism Age <input type="checkbox"/> Organism Comment <input type="checkbox"/> Organism Initial Weight <input type="checkbox"/> Organism Length <input type="checkbox"/> Organism Lifestage <input type="checkbox"/> Organism Source <input type="checkbox"/> Organism Strain <input type="checkbox"/> Other Effects <input type="checkbox"/> pH <input type="checkbox"/> Potassium <input type="checkbox"/> Publication Year <input type="checkbox"/> Reference Citation <input type="checkbox"/> Reference Number <input type="checkbox"/> Response Site <input type="checkbox"/> Response Site/Exposure Duration (Days) <input type="checkbox"/> Result Percent Dry/Wet Weight <input type="checkbox"/> Result Comment <input type="checkbox"/> Result Percent Lipid <input type="checkbox"/> Result Sample Number/Unit <input type="checkbox"/> Result Sample Number <input type="checkbox"/> Result Sample Unit <input type="checkbox"/> Salinity <input type="checkbox"/> Season <input type="checkbox"/> Significance Level <input type="checkbox"/> Significance Level/Statistical Significance <input type="checkbox"/> Sodium <input type="checkbox"/> Species Common Name <input type="checkbox"/> Species ECOTOX Number <input type="checkbox"/> Species Final Weight <input type="checkbox"/> Species Group <input type="checkbox"/> Species NCBI TaxID <input type="checkbox"/> Species Scientific Name <input type="checkbox"/> Species Scientific Name/Species Common Name <input type="checkbox"/> Species Taxonomic Information <input type="checkbox"/> Statistical Significance <input type="checkbox"/> Steady State <input type="checkbox"/> Study Duration (Author) <input type="checkbox"/> Study Duration (Days) <input type="checkbox"/> Study Type <input type="checkbox"/> Sub-Habitat Term (Field only) <input type="checkbox"/> Sub-Habitat Description (Field only) <input type="checkbox"/> Sub-Habitat Comment (Field only) <input type="checkbox"/> Substrate Term (Field only) <input type="checkbox"/> Substrate Comment (Field only) <input type="checkbox"/> Sulfate <input type="checkbox"/> Sulfur <input type="checkbox"/> Temperature <input type="checkbox"/> Test Location <input type="checkbox"/> Test Method <input type="checkbox"/> Test Number <input type="checkbox"/> Test Type <input type="checkbox"/> Trend <input type="checkbox"/> Trend/Effect % <input type="checkbox"/> Water Depth	<input type="checkbox"/> Organism Source <input type="checkbox"/> Organism Strain <input type="checkbox"/> Other Effects <input type="checkbox"/> Publication Year <input type="checkbox"/> Reference Citation <input type="checkbox"/> Reference Number <input type="checkbox"/> Response Site <input type="checkbox"/> Response Site/Exposure Duration (Days) <input type="checkbox"/> Result Percent Dry/Wet Weight <input type="checkbox"/> Result Comment <input type="checkbox"/> Result Percent Lipid <input type="checkbox"/> Result Sample Number/Unit <input type="checkbox"/> Result Sample Number <input type="checkbox"/> Result Sample Unit <input type="checkbox"/> Significance Level <input type="checkbox"/> Significance Level/Statistical Significance <input type="checkbox"/> Soil Clay % <input type="checkbox"/> Soil Dose Measured <input type="checkbox"/> Soil pH <input type="checkbox"/> Soil Sand % <input type="checkbox"/> Soil Silt % <input type="checkbox"/> Soil Type <input type="checkbox"/> Species Common Name <input type="checkbox"/> Species ECOTOX Number <input type="checkbox"/> Species Final Weight <input type="checkbox"/> Species Group <input type="checkbox"/> Species NCBI TaxID <input type="checkbox"/> Species Scientific Name <input type="checkbox"/> Species Scientific Name/Species Common Name <input type="checkbox"/> Species Taxonomic Information <input type="checkbox"/> Statistical Significance <input type="checkbox"/> Steady State <input type="checkbox"/> Study Duration (Author) <input type="checkbox"/> Study Duration (Days) <input type="checkbox"/> Study Type <input type="checkbox"/> Sub-Habitat Term (Field only) <input type="checkbox"/> Sub-Habitat Description (Field only) <input type="checkbox"/> Sub-Habitat Comment (Field only) <input type="checkbox"/> Substrate Term (Field only) <input type="checkbox"/> Substrate Comment (Field only) <input type="checkbox"/> Temperature <input type="checkbox"/> Test Comments <input type="checkbox"/> Test Location <input type="checkbox"/> Test Method <input type="checkbox"/> Test Number <input type="checkbox"/> Test Type <input type="checkbox"/> Trend <input type="checkbox"/> Trend/Effect %
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