Upper Mississippi River Conservation Committee

UMRCC Contaminants of Concern List

The list below includes the top 10 contaminants of concern in no particular order.

Group	Contaminant
Insecticides	
Pyrethroid Insecticide	Bifenthrin
Neonicotinoid	Clothianidin
Insecticide	Diazinon
Insecticide	Fipronil
Neonicotinoid	Imidacloprid
Neonicotinoid	Thiamethoxam
Fungicides	
Fungicide	Azoxystrobin
Fungicide	Propiconazole
Plastics	
Plastics	Microplastics
PFAS	
PFAS	PFAS

The list below contains other contaminants of concern. The top 10 contaminants of concern were selected from the list below.

Group	Contaminant
Insecticides	
Neonicotinoid	Acetamiprid
Insecticide	Aldicarb
Insecticide Degradate	Aldicarb sulfone
Insecticide Degradate	Aldicarb sulfoxide
Pyrethroid Insecticide	Allethrin
Insecticide	Bifenazate
Pyrethroid Insecticide	Bifenthrin
Household Pest control	Carbaryl
Insecticide	Carbofuran
Insecticide	Chlorantraniliprole
Chlorinated Insecticide	Chlordane
Neonicotinoid	Clothianidin
Pyrethroid Insecticide	Cyfluthrin
Insecticide	Cyfluthrin 4
Pyrethroid Insecticide	Cyhalothrin
Pyrethroid Insecticide	Cypermethrin
Personal Insecticide	DEET
Pyrethroid Insecticide	Deltamethrin
Insecticide	Diazinon
Household Pest control	Dichlorvos
Insecticide	Diflubenzuron
Insecticide	Dimethoate
Insecticide	Dinocap
Neonicotinoid	Dinotefuran

Chlorinated Insecticide	Endrin
Pyrethroid Insecticide	Esfenvalerate
Insecticide	Ethiprole
Insecticide	Ethirimol
Pyrethroid Insecticide	Etofenprox
Insecticide	Fenoxycarb
Pyrethroid Insecticide	Fenpropathrin
Insecticide	Fenpyroximate
Insecticide	Fipronil
Insecticide	Flufenoxuron
Insecticide	Halofenozide
Chlorinated Insecticide	Heptachlor
Chlorinated Insecticide	Heptachlor epoxide
Chlorinated Insecticide	Hexachlorobenzene
Chlorinated Insecticide	Hexachlorocyclopentadiene
Insecticide	Hexaflumuron
Neonicotinoid	Imidacloprid
Insecticide	Isocarbophos
Insecticide	Isoprocarb
Chlorinated Insecticide	Lindane
Insecticide	Lufenuron
Insecticide	Methamidophos
Chlorinated Insecticide	Methoxychlor
Insecticide	Methoxyfenozide
Neonicotinoid	Nitenpyram
Insecticide	Omethoate
Pyrethroid Insecticide	Permethrin
Pyrethroid Insecticide	Pheonthrin
Insecticide	Piperonyl butoxide
Insecticide	Propargite
Insecticide	Pymetrozine
Insecticide	Pyridaben
Insecticide	Pyriproxyfen
Pyrethroid Insecticide	Resmethrin
Insecticide	Rotenone
Insecticide	Spinosad (Spinosyn D)
Pyrethroid Insecticide	Tau-Fluvalinate
Insecticide	Tebufenozide
Insecticide	Tebufenpyrad
Insecticide	Teflubenzuron
Pyrethroid Insecticide	Tefluthrin
Pyrethroid Insecticide	Tetramethrin
Neonicotinoid	Thiacloprid
Neonicotinoid	Thiamethoxam
Insecticide	Thiofanox
Insecticide	Triadimefon
Insecticide	Triadimenol
Insecticide	Trichlorfon

Insecticide	Triflumuron
Herbicides	
Acid Herbicide	2,4,5-T
Acid Herbicide	2,4-D (2,4-dichlorophenoxyacetic acid)
Acid Herbicide	2,4-DB
Nitrogen Containing Herbicide	Acetochlor
Acid Herbicide	Acifluorfen
Nitrogen Containing Herbicide	Alachlor
Nitrogen Containing Herbicide	Ametryn
Nitrogen Containing Herbicide	Atrazine
Acid Herbicide	Bentazon
Nitrogen Containing Herbicide	Butachlor
Herbicide	Butafenacil
Nitrogen Containing Herbicide	Butylate
Herbicide	Carbetamide
Herbicide	Carfentrazone-ethyl
Acid Herbicide	Chloramben
Acid Herbicide	Chlorthal-dimethyl
Nitrogen Containing Herbicide	Cyanazine
Acid Herbicides	Dalapon
Nitrogen Containing Herbicide	Desethyl Atrazine
Nitrogen Containing Herbicide	Desisopropyl Atrazine
Herbicide	Diallate 2
Acid Herbicide	Dicamba
Acid Herbicide	Dichlorprop
Nitrogen containing Herbicide	Dimethenamid
Acid Herbicide	Dinoseb
Herbicide	Diuron
Nitrogen Containing Herbicide	EPTC
Herbicide	Fenuron
Herbicide	Flufenacet
Herbicide	Fluometuron
Herbicide	Glyphosate
Herbicide	Linuron
Herbicide	Mesotrione
Herbicide	Methabenzthiazuron
Herbicide	Metobromuron
Nitrogen Containing Herbicide	Metolachlor
Herbicide	Metolachlor
Herbicide	Metolachlor S
Nitrogen Containing Herbicide	Metribuzin
Herbicide	Monolinuron
Acid Herbicide	Pentachlorophenol
Acid Herbicide	Picloram
Herbicide	Pretilachlor
Nitrogen Containing Herbicide	Prometon
Herbicide	Prometryne

Nitrogen Containing Herbicide	Propachlor
Nitrogen Containing Herbicide	Propazine
Herbicide	Propham
Herbicide	Secbumeton
Acid Herbicide	Silvex
Nitrogen Containing Herbicide	Simazine
Herbicide	Simetryn
Herbicide	Sulfentrazone
Herbicide	Tebuthiuron
Herbicide	Terbutryn
Herbicide	Thidiazuron
Herbicide	Triclopyr
Nitrogen Containing Herbicide	Trifluralin
Fungicides	
Fungicide	Azoxystrobin
Fungicide	Benalaxyl
Fungicide	Boscalid
Fungicide	Bromuconazole
Fungicide	Bupirimate
Fungicide	Carbendazim
Fungicide	Chlorothalonil
Fungicide	Cyazofamid
Fungicide	Cyproconazole
Fungicide	Cyprodinil
Fungicide	Diethofencarb
Fungicide	Difenoconazole
Fungicide	Dimethomorph
Fungicide	Diniconazole
Fungicide	Fenamidone
Fungicide	Fenarimol
Fungicide	Fenbuconazole
Fungicide	Fenhexamid
Fungicide	Fluoxastrobin
Fungicide	Flusilazole
Fungicide	Flutolanil
Fungicide	Flutriafol
Fungicide	Furalaxyl
Fungicide	Hexaconazole
Fungicide	Imazalil
Fungicide	Ipconazole
Fungicide	Kresoxim-methyl
Fungicide	Mandipropamid
Fungicide	Mepanipyrim
Fungicide	Mepronil
Fungicide	Metalaxyl
Fungicide	Metconazole
Fungicide	Myclobutanil

Fungicide	Nuarimol
Fungicide	Oxadixyl
Fungicide	Paclobutrazol
Fungicide	Penconazole
Fungicide	Pencycuron
Fungicide	Picoxystrobin
Fungicide	Prochloraz
Fungicide	Propamocarb
Fungicide	Propiconazole
Fungicide	Prothioconazole
Fungicide	Pyraclostrobin
Fungicide	Pyrimethanil
Fungicide	Spiroxamine
Fungicide	Tebuconazole
Fungicide	Tetraconazole
Fungicide	Thiabendazole
Fungicide	Tricyclazole
Fungicide	Trifloxystrobin
Fungicide	Triflumizole
Fungicide	Triticonazole
Pharmaceuticals	
Pharmaceutical	Acetaminophen
Pharmaceutical	Caffeine
Pharmaceutical	Carbamazepine
Pharmaceutical	Cotinine
Pharmaceutical	Diclofenac
Pharmaceutical	Gemfibrozil
Pharmaceutical	Ibuprofen
Pharmaceutical	Lincomycin
Pharmaceutical	Metoprolol
Pharmaceutical	Sulfadimethoxine
Pharmaceutical	Sulfamethazine
Pharmaceutical	Sulfamethoxazole
Pharmaceutical	Sulfathiazole
Pharmaceutical	Trimethoprim
Cyanotoxins and derivatives (beyond microcystin)	
Cyanotoxin	Anatoxin
Cyanotoxin	Saxitoxin
Cyanotoxin	Cylindrospermopsin
Plastics	
Plastics	BPA
Plastics	Diethylhexyl phthalate (DEHP)
Plastics	Microplastics
Plastics	Phthalates

PFAS	
Per- and Polyfluoroalkyl Substances	PFAS
Flame retardants	
Flame retardants - Phosphorus-based	TCPP
Flame retardants - Phosphorus-based	TDCPP
Flame retardants - Phosphorus-based	TBP
Flame retardants - Phosphorus-based	TPP
Flame retardants - Phosphorus-based	TBEP
Surfactants	
Surfactants (degradation products)	Nonylphenol
Surfactants (degradation products)	Ocylphenol
PAHs	
Polycyclic Aromatic Hydrocarbons	PAHs