

Appendix I

Dose Calculations and Hazard Quotients for Functional Groups/Sensitive Species

Appendix I

Dose Calculations and Hazard Quotients for Functional Groups/Sensitive Species

This appendix gives the results of the WAG Ecological Risk Assessment (WERA). Each table represents one site (e.g., LOFT-02) and is composed of three parts: soil concentrations, results of the dose calculations, and results of the hazard quotient calculations.

For each site, the hazard quotients for each potential contaminant are summed for each functional group to give a total hazard quotient, given in the final column of the tables. NTD means no toxicity data was available for that contaminant and functional group. NTD cells were ignored (i.e., treated as zeros) when calculating the total HQ. The notation TWB Bat is Townsend's western big-eared bat.

LOFT-02

Dose (mg/kg-d)				
Functional groups	Copper	Fluoride	Manganese	Sulfate
Amphibians (A232)	2.68E-01	8.03E-01	8.76E+00	1.54E-01
Avian herbivores (AV121)	4.32E-03	1.30E-02	1.41E-01	2.49E-03
Avian herbivores (AV122)	2.48E-01	7.44E-01	8.11E+00	1.43E-01
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	1.16E-02	3.49E-02	3.81E-01	6.69E-03
Avian insectivores (AV210)	7.43E-01	2.23E+00	6.44E+00	4.28E-01
Black tern	1.48E-01	4.45E-01	2.12E+00	8.54E-02
Avian insectivores (AV210A)	2.39E+00	7.17E+00	2.13E+01	1.38E+00
Avian insectivores (AV221)	6.43E+00	1.93E+01	5.73E+01	3.70E+00
Avian insectivores (AV222)	9.29E+00	2.79E+01	9.72E+01	5.35E+00
Avian insectivores (AV222A)	6.04E+00	1.81E+01	6.32E+01	3.48E+00
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	3.79E-03	5.26E-02	1.52E-01	1.01E-02
Northern goshawk	4.78E-04	6.64E-03	1.92E-02	1.27E-03
Peregrine falcon	3.41E-03	4.74E-02	1.37E-01	9.09E-03
Avian carnivores (AV322)	1.39E-01	1.93E+00	5.57E+00	3.70E-01
Bald eagle	1.22E-04	1.69E-03	4.89E-03	3.25E-04
Ferruginous hawk	4.65E-04	6.46E-03	1.87E-02	1.24E-03
Loggerhead shrike	1.78E-01	2.47E+00	7.13E+00	4.73E-01
Avian carnivores (AV322A)	2.06E-02	2.76E-01	8.20E-01	5.29E-02
Burrowing Owl	2.06E-02	2.76E-01	8.20E-01	5.29E-02
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	3.03E-01	9.09E-01	3.44E+00	1.74E-01
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	8.13E-04	2.44E-03	2.66E-02	4.68E-04
Mammalian herbivores (M122)	6.23E-01	1.87E+00	2.04E+01	3.59E-01
Mammalian herbivores (M122A)	6.91E-01	2.07E+00	2.26E+01	3.98E-01
Pygmy rabbit	7.40E-02	2.22E-01	2.42E+00	4.26E-02
Mammalian herbivores (M123)	4.31E-01	1.29E+00	1.41E+01	2.48E-01
Mammalian insectivores (M210)	1.10E+00	3.29E+00	9.51E+00	6.31E-01
Mammalian insectivores (M210A)	1.06E+00	3.19E+00	9.22E+00	6.12E-01
Townsend's western big-eared bat	2.98E+00	8.93E+00	2.51E+01	1.71E+00
Small-footed myotis	4.24E+00	1.27E+01	3.57E+01	2.44E+00
Long-eared myotis	3.67E+00	1.10E+01	3.09E+01	2.11E+00
Mammalian insectivores (M222)	9.15E+00	2.74E+01	8.02E+01	5.27E+00
Mammalian carnivore (M322)	6.20E-02	7.12E-01	2.39E+00	1.37E-01
Mammalian omnivores (M422)	5.33E+00	1.60E+01	5.73E+01	3.07E+00
Mammalian omnivores (M422A)	1.02E-01	3.06E-01	1.10E+00	5.87E-02
Reptilian insectivores (R222)	2.79E-01	8.38E-01	2.45E+00	1.61E-01
Sagebrush lizard	2.79E-01	8.38E-01	2.45E+00	1.61E-01
Reptilian carnivores (R322)	1.19E+00	1.50E+01	4.67E+01	2.87E+00
Plants	3.30E+01	9.90E+01	1.08E+03	1.90E+01

Hazard Quotient (unitless)

Functional groups	Copper	Fluoride	Manganese	Sulfate
Amphibians (A232)	NA	NA	NA	NA
Avian herbivores (AV121)	1.E-03	1.E-02	2.E-03	3.E-04
Avian herbivores (AV122)	6.E-02	6.E-01	1.E-01	2.E-02
Avian herbivores (AV132)	0.E+00	0.E+00	0.E+00	0.E+00
Avian herbivores (AV142)	0.E+00	0.E+00	0.E+00	0.E+00
Avian herbivores (AV143)	0.E+00	0.E+00	0.E+00	0.E+00
Trumpeter swan	3.E-03	3.E-02	5.E-03	8.E-04
Avian insectivores (AV210)	2.E-01	2.E+00	9.E-02	5.E-02
Black tern	4.E-02	3.E-01	3.E-02	1.E-02
Avian insectivores (AV210A)	6.E-01	6.E+00	3.E-01	2.E-01
Avian insectivores (AV221)	2.E+00	1.E+01	8.E-01	4.E-01
Avian insectivores (AV222)	2.E+00	2.E+01	1.E+00	6.E-01
Avian insectivores (AV222A)	2.E+00	1.E+01	9.E-01	4.E-01
Avian insectivores (AV232)	0.E+00	0.E+00	0.E+00	0.E+00
Avian insectivores (AV233)	0.E+00	0.E+00	0.E+00	0.E+00
White-faced ibis	0.E+00	0.E+00	0.E+00	0.E+00
Avian insectivores (AV241)	0.E+00	0.E+00	0.E+00	0.E+00
Avian insectivores (AV242)	0.E+00	0.E+00	0.E+00	0.E+00
Avian carnivores (AV310)	1.E-03	3.E-02	2.E-03	1.E-03
Northern goshawk	1.E-04	3.E-03	3.E-04	1.E-04
Peregrine falcon	9.E-04	2.E-02	2.E-03	1.E-03
Avian carnivores (AV322)	4.E-02	1.E+00	8.E-02	4.E-02
Bald eagle	3.E-05	9.E-04	7.E-05	4.E-05
Ferruginous hawk	1.E-04	3.E-03	3.E-04	1.E-04
Loggerhead shrike	5.E-02	1.E+00	1.E-01	6.E-02
Avian carnivores (AV322A)	5.E-03	1.E-01	1.E-02	6.E-03
Burrowing Owl	5.E-03	1.E-01	1.E-02	6.E-03
Avian carnivores (AV333)	0.E+00	0.E-00	0.E+00	0.E+00
Avian carnivores (AV342)	0.E+00	0.E-00	0.E+00	0.E+00
Avian omnivores (AV422)	5.E-02	7.E-01	3.E-02	1.E-02
Avian omnivores (AV432)	0.E+00	0.E-00	0.E+00	0.E+00
Avian omnivores (AV433)	0.E+00	0.E-00	0.E+00	0.E+00
Avian omnivores (AV442)	0.E+00	0.E-00	0.E+00	0.E+00
Mammalian herbivores (M121)	1.E-03	2.E-04	6.E-03	9.E-05
Mammalian herbivores (M122)	1.E+00	2.E-01	5.E+00	7.E-02
Mammalian herbivores (M122A)	1.E+00	2.E-01	5.E+00	8.E-02
Pygmy rabbit	1.E-01	2.E-02	6.E-01	8.E-03
Mammalian herbivores (M123)	7.E-01	1.E-01	3.E+00	5.E-02
Mammalian insectivores (M210)	2.E+00	3.E-01	2.E+00	1.E-01
Mammalian insectivores (M210A)	2.E+00	3.E-01	2.E+00	1.E-01
Townsend's western big-eared bat	5.E+00	9.E-01	6.E+00	3.E-01
Small-footed myotis	7.E+00	1.E-00	8.E+00	5.E-01
Long-eared myotis	6.E+00	1.E-00	7.E+00	4.E-01
Mammalian insectivores (M222)	1.E+01	3.E-00	2.E+01	1.E+00
Mammalian carnivore (M322)	3.E-02	2.E-02	6.E-01	3.E-02
Mammalian omnivores (M422)	8.E+00	2.E+00	9.E+00	4.E-01
Mammalian omnivores (M422A)	2.E-01	3.E-02	2.E-01	7.E-03
Reptilian insectivores (R222)	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA
Plants				

Dose (mg/kg-d)	
Functional groups	Aroclor 1260
Amphibians (A232)	2.07E-03
Avian herbivores (AV121)	4.13E-06
Avian herbivores (AV122)	2.37E-04
Avian herbivores (AV132)	0.00E+00
Avian herbivores (AV142)	0.00E+00
Avian herbivores (AV143)	0.00E+00
Trumpeter swan	1.11E-05
Avian insectivores (AV210)	1.51E-05
Black tern	3.56E-05
Avian insectivores (AV210A)	7.13E-05
Avian insectivores (AV221)	1.47E-03
Avian insectivores (AV222)	2.20E-03
Avian insectivores (AV222A)	1.33E-03
Avian insectivores (AV232)	0.00E+00
Avian insectivores (AV233)	0.00E+00
White-faced ibis	0.00E+00
Avian insectivores (AV241)	0.00E+00
Avian insectivores (AV242)	0.00E+00
Avian carnivores (AV310)	3.56E-07
Northern goshawk	4.49E-08
Peregrine falcon	3.21E-07
Avian carnivores (AV322)	1.30E-05
Bald eagle	1.15E-08
Ferruginous hawk	4.37E-08
Loggerhead shrike	1.67E-05
Avian carnivores (AV322A)	2.74E-06
Burrowing Owl	2.74E-06
Avian carnivores (AV333)	0.00E+00
Avian carnivores (AV342)	0.00E+00
Avian omnivores (AV422)	3.77E-05
Avian omnivores (AV432)	0.00E+00
Avian omnivores (AV433)	0.00E+00
Avian omnivores (AV442)	0.00E+00
Mammalian herbivores (M121)	7.77E-07
Mammalian herbivores (M122)	2.59E-03
Mammalian herbivores (M122A)	2.20E-03
Pygmy rabbit	2.53E-04
Mammalian herbivores (M123)	2.06E-03
Mammalian insectivores (M210)	2.23E-05
Mammalian insectivores (M210A)	2.16E-05
Townsend's western big-eared bat	3.20E-05
Small-footed myotis	4.56E-05
Long-eared myotis	3.94E-05
Mammalian insectivores (M222)	1.78E-03
Mammalian carnivore (M322)	1.77E-05
Mammalian omnivores (M422)	7.49E-04
Mammalian omnivores (M422A)	1.03E-05
Reptilian insectivores (R222)	5.76E-05
Sagebrush lizard	5.76E-05
Reptilian carnivores (R322)	2.34E-04
Plants	1.90E+00

Hazard Quotient (unitless)	
Functional groups	Aroclor 1260
Amphibians (A232)	NA
Avian herbivores (AV121)	1.E-04
Avian herbivores (AV122)	6.E-03
Avian herbivores (AV132)	0.E+00
Avian herbivores (AV142)	0.E+00
Avian herbivores (AV143)	0.E+00
Trumpeter swan	3.E-04
Avian insectivores (AV210)	4.E-04
Black tern	9.E-04
Avian insectivores (AV210A)	2.E-03
Avian insectivores (AV221)	4.E-02
Avian insectivores (AV222)	5.E-02
Avian insectivores (AV222A)	3.E-02
Avian insectivores (AV232)	0.E+00
Avian insectivores (AV233)	0.E+00
White-faced ibis	0.E+00
Avian insectivores (AV241)	0.E+00
Avian insectivores (AV242)	0.E+00
Avian carnivores (AV310)	1.E-04
Northern goshawk	2.E-05
Peregrine falcon	1.E-04
Avian carnivores (AV322)	5.E-03
Bald eagle	5.E-06
Ferruginous hawk	2.E-05
Loggerhead shrike	7.E-03
Avian carnivores (AV322A)	1.E-03
Burrowing Owl	1.E-03
Avian carnivores (AV333)	0.E+00
Avian carnivores (AV342)	0.E+00
Avian omnivores (AV422)	1.E-02
Avian omnivores (AV432)	0.E+00
Avian omnivores (AV433)	0.E+00
Avian omnivores (AV442)	0.E+00
Mammalian herbivores (M121)	3.E-07
Mammalian herbivores (M122)	1.E-03
Mammalian herbivores (M122A)	9.E-04
Pygmy rabbit	1.E-04
Mammalian herbivores (M123)	8.E-04
Mammalian insectivores (M210)	9.E-06
Mammalian insectivores (M210A)	9.E-06
Townsend's western big-eared bat	1.E-05
Small-footed myotis	2.E-05
Long-eared myotis	2.E-05
Mammalian insectivores (M222)	7.E-04
Mammalian carnivore (M322)	7.E-06
Mammalian omnivores (M422)	2.E-04
Mammalian omnivores (M422A)	3.E-06
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA

Dose (mg/kg-d)		
Functional groups	Lead	-Methylnaphthalen
Amphibians (A232)	1.15E+00	1.69E-03
Avian herbivores (AV121)	2.29E-03	3.37E-06
Avian herbivores (AV122)	1.32E-01	1.93E-04
Avian herbivores (AV132)	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00
Trumpeter swan	6.17E-03	9.07E-06
Avian insectivores (AV210)	1.24E-01	5.79E-04
Black tern	3.74E-02	1.16E-04
Avian insectivores (AV210A)	4.07E-01	1.86E-03
Avian insectivores (AV221)	8.42E+00	3.85E-02
Avian insectivores (AV222)	4.74E+00	1.91E-02
Avian insectivores (AV222A)	2.86E+00	1.15E-02
Avian insectivores (AV232)	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00
Avian carnivores (AV310)	5.66E-03	1.37E-05
Northern goshawk	7.15E-04	1.73E-06
Peregrine falcon	5.10E-03	1.23E-05
Avian carnivores (AV322)	2.07E-01	5.01E-04
Bald eagle	1.82E-04	4.40E-07
Ferruginous hawk	6.95E-04	1.68E-06
Loggerhead shrike	2.65E-01	6.41E-04
Avian carnivores (AV322A)	2.99E-02	7.17E-05
Burrowing Owl	2.99E-02	7.17E-05
Avian carnivores (AV333)	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00
Avian omnivores (AV422)	1.05E-01	2.36E-04
Avian omnivores (AV432)	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00
Mammalian herbivores (M121)	4.31E-04	6.34E-07
Mammalian herbivores (M122)	1.44E+00	2.11E-03
Mammalian herbivores (M122A)	1.22E+00	1.80E-03
Pygmy rabbit	1.40E-01	2.06E-04
Mammalian herbivores (M123)	1.14E+00	1.68E-03
Mammalian insectivores (M210)	1.83E-01	8.55E-04
Mammalian insectivores (M210A)	1.77E-01	8.29E-04
Townsend's western big-eared bat	4.85E-01	2.32E-03
Small-footed myotis	6.91E-01	3.31E-03
Long-eared myotis	5.98E-01	2.86E-03
Mammalian insectivores (M222)	1.24E+01	5.75E-02
Mammalian carnivore (M322)	7.94E-02	1.85E-04
Mammalian omnivores (M422)	2.52E+00	5.77E-03
Mammalian omnivores (M422A)	3.47E-02	7.95E-05
Reptilian insectivores (R222)	4.02E-01	1.86E-03
Sagebrush lizard	4.02E-01	1.86E-03
Reptilian carnivores (R322)	1.64E+00	3.89E-03
Plants	1.13E+03	1.66E+00

Hazard Quotient (unitless)		
Functional groups	Lead	-Methylnaphthalen
Amphibians (A232)	NA	NA
Avian herbivores (AV121)	8.E-02	NA
Avian herbivores (AV122)	4.E+00	NA
Avian herbivores (AV132)	0.E+00	NA
Avian herbivores (AV142)	0.E+00	NA
Avian herbivores (AV143)	0.E+00	NA
Trumpeter swan	2.E-01	NA
Avian insectivores (AV210)	3.E+00	NA
Black tern	1.E+00	NA
Avian insectivores (AV210A)	5.E+00	NA
Avian insectivores (AV221)	2.E+02	NA
Avian insectivores (AV222)	1.E+02	NA
Avian insectivores (AV222A)	7.E+01	NA
Avian insectivores (AV232)	0.E+00	NA
Avian insectivores (AV233)	0.E+00	NA
White-faced ibis	0.E+00	NA
Avian insectivores (AV241)	0.E+00	NA
Avian insectivores (AV242)	0.E+00	NA
Avian carnivores (AV310)	2.E-01	NA
Northern goshawk	2.E-02	NA
Peregrine falcon	1.E-01	NA
Avian carnivores (AV322)	7.E+00	NA
Bald eagle	6.E-03	NA
Ferruginous hawk	2.E-02	NA
Loggerhead shrike	9.E+00	NA
Avian carnivores (AV322A)	1.E+00	NA
Burrowing Owl	1.E+00	NA
Avian carnivores (AV333)	0.E+00	NA
Avian carnivores (AV342)	0.E+00	NA
Avian omnivores (AV422)	3.E+00	NA
Avian omnivores (AV432)	0.E+00	NA
Avian omnivores (AV433)	0.E+00	NA
Avian omnivores (AV442)	0.E+00	NA
Mammalian herbivores (M121)	2.E-04	6.E-05
Mammalian herbivores (M122)	5.E-01	2.E-01
Mammalian herbivores (M122A)	5.E-01	2.E-01
Pygmy rabbit	5.E-02	2.E-02
Mammalian herbivores (M123)	4.E-01	2.E-01
Mammalian insectivores (M210)	7.E-02	9.E-02
Mammalian insectivores (M210A)	7.E-02	8.E-02
Townsend's western big-eared bat	2.E-01	2.E-01
Small-footed myotis	3.E-01	3.E-01
Long-eared myotis	2.E-01	3.E-01
Mammalian insectivores (M222)	5.E+00	6.E+00
Mammalian carnivore (M322)	3.E-02	2.E-02
Mammalian omnivores (M422)	6.E-01	6.E-01
Mammalian omnivores (M422A)	1.E-02	8.E-03
Reptilian insectivores (R222)	NA	NA
Sagebrush lizard	NA	NA
Reptilian carnivores (R322)	NA	NA
Plants	2.E+01	NA

Dose (mg/kg-d)		
Functional groups	Benzo(a)pyrene	Aroclor 1260
Amphibians (A232)	1.70E-03	1.78E-03
Avian herbivores (AV121)	7.65E-06	8.01E-06
Avian herbivores (AV122)	4.39E-04	4.60E-04
Avian herbivores (AV132)	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00
Trumpeter swan	2.06E-05	2.16E-05
Avian insectivores (AV210)	2.68E-05	2.93E-05
Black tern	6.58E-05	6.91E-05
Avian insectivores (AV210A)	1.29E-04	1.38E-04
Avian insectivores (AV221)	1.24E-03	1.34E-03
Avian insectivores (AV222)	4.04E-03	4.27E-03
Avian insectivores (AV222A)	2.44E-03	2.57E-03
Avian insectivores (AV232)	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00
Avian carnivores (AV310)	6.33E-07	6.91E-07
Northern goshawk	8.00E-08	8.72E-08
Peregrine falcon	5.71E-07	6.22E-07
Avian carnivores (AV322)	2.32E-05	2.53E-05
Bald eagle	2.04E-08	2.22E-08
Ferruginous hawk	7.78E-08	8.49E-08
Loggerhead shrike	2.97E-05	3.24E-05
Avian carnivores (AV322A)	4.95E-06	5.33E-06
Burrowing Owl	4.95E-06	5.33E-06
Avian carnivores (AV333)	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00
Avian omnivores (AV422)	6.95E-05	7.32E-05
Avian omnivores (AV432)	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00
Mammalian herbivores (M121)	1.44E-06	1.51E-06
Mammalian herbivores (M122)	3.97E-03	4.16E-03
Mammalian herbivores (M122A)	4.08E-03	4.28E-03
Pygmy rabbit	4.68E-04	4.90E-04
Mammalian herbivores (M123)	2.74E-03	2.87E-03
Mammalian insectivores (M210)	3.96E-05	4.32E-05
Mammalian insectivores (M210A)	3.84E-05	4.19E-05
Townsend's western big-eared bat	5.48E-05	6.21E-05
Small-footed myotis	7.81E-05	8.85E-05
Long-eared myotis	6.76E-05	7.65E-05
Mammalian insectivores (M222)	1.42E-03	1.54E-03
Mammalian carnivore (M322)	3.25E-05	3.44E-05
Mammalian omnivores (M422)	1.38E-03	1.45E-03
Mammalian omnivores (M422A)	1.89E-05	2.00E-05
Reptilian insectivores (R222)	4.34E-05	4.70E-05
Sagebrush lizard	4.34E-05	4.70E-05
Reptilian carnivores (R322)	4.27E-04	4.55E-04
Plants	2.10E-01	2.20E-01

Hazard Quotient (unitless)	Benzo(a)pyrene	Aroclor 1260
Functional groups		
Amphibians (A232)	NA	NA
Avian herbivores (AV121)	NA	2.E-04
Avian herbivores (AV122)	NA	1.E-02
Avian herbivores (AV132)	NA	0.E+00
Avian herbivores (AV142)	NA	0.E+00
Avian herbivores (AV143)	NA	0.E+00
Trumpeter swan	NA	5.E-04
Avian insectivores (AV210)	NA	7.E-04
Black tern	NA	2.E-03
Avian insectivores (AV210A)	NA	3.E-03
Avian insectivores (AV221)	NA	3.E-02
Avian insectivores (AV222)	NA	1.E-01
Avian insectivores (AV222A)	NA	6.E-02
Avian insectivores (AV232)	NA	0.E+00
Avian insectivores (AV233)	NA	0.E+00
White-faced ibis	NA	0.E+00
Avian insectivores (AV241)	NA	0.E+00
Avian insectivores (AV242)	NA	0.E+00
Avian carnivores (AV310)	NA	3.E-04
Northern goshawk	NA	3.E-05
Peregrine falcon	NA	2.E-04
Avian carnivores (AV322)	NA	1.E-02
Bald eagle	NA	9.E-06
Ferruginous hawk	NA	3.E-05
Loggerhead shrike	NA	1.E-02
Avian carnivores (AV322A)	NA	2.E-03
Burrowing Owl	NA	2.E-03
Avian carnivores (AV333)	NA	0.E+00
Avian carnivores (AV342)	NA	0.E+00
Avian omnivores (AV422)	NA	2.E-02
Avian omnivores (AV432)	NA	0.E+00
Avian omnivores (AV433)	NA	0.E+00
Avian omnivores (AV442)	NA	0.E+00
Mammalian herbivores (M121)	1.E-04	6.E-07
Mammalian herbivores (M122)	4.E-01	2.E-03
Mammalian herbivores (M122A)	4.E-01	2.E-03
Pygmy rabbit	5.E-02	2.E-04
Mammalian herbivores (M123)	3.E-01	1.E-03
Mammalian insectivores (M210)	4.E-03	2.E-05
Mammalian insectivores (M210A)	4.E-03	2.E-05
Townsend's western big-eared bat	5.E-03	3.E-05
Small-footed myotis	8.E-03	4.E-05
Long-eared myotis	7.E-03	3.E-05
Mammalian insectivores (M222)	1.E-01	6.E-04
Mammalian carnivore (M322)	3.E-03	1.E-05
Mammalian omnivores (M422)	1.E-01	4.E-04
Mammalian omnivores (M422A)	2.E-03	5.E-06
Reptilian insectivores (R222)	NA	NA
Sagebrush lizard	4.E-03	NA
Reptilian carnivores (R322)	NA	NA
Plants	NA	NA

Dose (mg/kg-d)	
Functional groups	Mercury
Amphibians (A232)	3.48E-02
Avian herbivores (AV121)	6.95E-05
Avian herbivores (AV122)	3.99E-03
Avian herbivores (AV132)	0.00E+00
Avian herbivores (AV142)	0.00E+00
Avian herbivores (AV143)	0.00E+00
Trumpeter swan	1.87E-04
Avian insectivores (AV210)	4.92E-03
Black tern	1.31E-03
Avian insectivores (AV210A)	1.61E-02
Avian insectivores (AV221)	3.32E-01
Avian insectivores (AV222)	1.79E-01
Avian insectivores (AV222A)	1.08E-01
Avian insectivores (AV232)	0.00E+00
Avian insectivores (AV233)	0.00E+00
White-faced ibis	0.00E+00
Avian insectivores (AV241)	0.00E+00
Avian insectivores (AV242)	0.00E+00
Avian carnivores (AV310)	1.99E-04
Northern goshawk	2.52E-05
Peregrine falcon	1.79E-04
Avian carnivores (AV322)	7.29E-03
Bald eagle	6.41E-06
Ferruginous hawk	2.45E-05
Loggerhead shrike	9.34E-03
Avian carnivores (AV322A)	1.05E-03
Burrowing Owl	1.05E-03
Avian carnivores (AV333)	0.00E+00
Avian carnivores (AV342)	0.00E+00
Avian omnivores (AV422)	3.60E-03
Avian omnivores (AV432)	0.00E+00
Avian omnivores (AV433)	0.00E+00
Avian omnivores (AV442)	0.00E+00
Mammalian herbivores (M121)	1.31E-05
Mammalian herbivores (M122)	4.36E-02
Mammalian herbivores (M122A)	3.71E-02
Pygmy rabbit	4.25E-03
Mammalian herbivores (M123)	3.46E-02
Mammalian insectivores (M210)	7.27E-03
Mammalian insectivores (M210A)	7.05E-03
Townsend's western big-eared bat	1.94E-02
Small-footed myotis	2.77E-02
Long-eared myotis	2.40E-02
Mammalian insectivores (M222)	4.92E-01
Mammalian carnivore (M322)	2.76E-03
Mammalian omnivores (M422)	8.71E-02
Mammalian omnivores (M422A)	1.20E-03
Reptilian insectivores (R222)	1.59E-02
Sagebrush lizard	1.59E-02
Reptilian carnivores (R322)	5.73E-02
Plants	5.90E+01

Hazard Quotient (unitless)	
Functional groups	Mercury
Amphibians (A232)	NA
Avian herbivores (AV121)	2.E-02
Avian herbivores (AV122)	1.E+00
Avian herbivores (AV132)	0.E+00
Avian herbivores (AV142)	0.E+00
Avian herbivores (AV143)	0.E+00
Trumpeter swan	2.E-02
Avian insectivores (AV210)	3.E-02
Black tern	2.E-01
Avian insectivores (AV210A)	1.E-01
Avian insectivores (AV221)	2.E+00
Avian insectivores (AV222)	1.E+00
Avian insectivores (AV222A)	7.E-01
Avian insectivores (AV232)	0.E+00
Avian insectivores (AV233)	0.E+00
White-faced ibis	0.E+00
Avian insectivores (AV241)	0.E+00
Avian insectivores (AV242)	0.E+00
Avian carnivores (AV310)	1.E-03
Northern goshawk	2.E-04
Peregrine falcon	1.E-03
Avian carnivores (AV322)	5.E-02
Bald eagle	4.E-05
Ferruginous hawk	2.E-04
Loggerhead shrike	6.E-02
Avian carnivores (AV322A)	7.E-03
Burrowing Owl	7.E-03
Avian carnivores (AV333)	0.E+00
Avian carnivores (AV342)	0.E+00
Avian omnivores (AV422)	2.E-02
Avian omnivores (AV432)	0.E+00
Avian omnivores (AV433)	0.E+00
Avian omnivores (AV442)	0.E+00
Mammalian herbivores (M121)	1.E-03
Mammalian herbivores (M122)	5.E+00
Mammalian herbivores (M122A)	4.E+00
Pygmy rabbit	5.E-01
Mammalian herbivores (M123)	4.E+00
Mammalian insectivores (M210)	9.E-01
Mammalian insectivores (M210A)	8.E-01
Townsend's western big-eared bat	2.E+00
Small-footed myotis	3.E+00
Long-eared myotis	3.E+00
Mammalian insectivores (M222)	3.E+02
Mammalian carnivore (M322)	3.E-01
Mammalian omnivores (M422)	7.E+00
Mammalian omnivores (M422A)	1.E-01
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	2.E+02

Dose (mg/kg-d)	
Functional groups	Sulfate
Amphibians (A232)	1.70E-02
Avian herbivores (AV121)	3.40E-05
Avian herbivores (AV122)	1.95E-03
Avian herbivores (AV132)	0.00E+00
Avian herbivores (AV142)	0.00E+00
Avian herbivores (AV143)	0.00E+00
Trumpeter swan	9.15E-05
Avian insectivores (AV210)	5.84E-03
Black tern	1.17E-03
Avian insectivores (AV210A)	1.88E-02
Avian insectivores (AV221)	3.89E-01
Avian insectivores (AV222)	1.92E-01
Avian insectivores (AV222A)	1.16E-01
Avian insectivores (AV232)	0.00E+00
Avian insectivores (AV233)	0.00E+00
White-faced ibis	0.00E+00
Avian insectivores (AV241)	0.00E+00
Avian insectivores (AV242)	0.00E+00
Avian carnivores (AV310)	1.38E-04
Northern goshawk	1.74E-05
Peregrine falcon	1.24E-04
Avian carnivores (AV322)	5.05E-03
Bald eagle	4.44E-06
Ferruginous hawk	1.69E-05
Loggerhead shrike	6.47E-03
Avian carnivores (AV322A)	7.23E-04
Burrowing Owl	7.23E-04
Avian carnivores (AV333)	0.00E+00
Avian carnivores (AV342)	0.00E+00
Avian omnivores (AV422)	2.38E-03
Avian omnivores (AV432)	0.00E+00
Avian omnivores (AV433)	0.00E+00
Avian omnivores (AV442)	0.00E+00
Mammalian herbivores (M121)	6.39E-06
Mammalian herbivores (M122)	2.13E-02
Mammalian herbivores (M122A)	1.81E-02
Pygmy rabbit	2.08E-03
Mammalian herbivores (M123)	1.69E-02
Mammalian insectivores (M210)	8.63E-03
Mammalian insectivores (M210A)	8.37E-03
Townsend's western big-eared bat	2.34E-02
Small-footed myotis	3.33E-02
Long-eared myotis	2.88E-02
Mammalian insectivores (M222)	5.80E-01
Mammalian carnivore (M322)	1.87E-03
Mammalian omnivores (M422)	5.82E-02
Mammalian omnivores (M422A)	8.02E-04
Reptilian insectivores (R222)	1.88E-02
Sagebrush lizard	1.88E-02
Reptilian carnivores (R322)	3.92E-02
Plants	4.40E+00

Hazard Quotient (unitless)	
Functional groups	Sulfate
Amphibians (A232)	NA
Avian herbivores (AV121)	4.E-06
Avian herbivores (AV122)	2.E-04
Avian herbivores (AV132)	0.E+00
Avian herbivores (AV142)	0.E+00
Avian herbivores (AV143)	0.E+00
Trumpeter swan	1.E-05
Avian insectivores (AV210)	7.E-04
Black tern	1.E-04
Avian insectivores (AV210A)	2.E-03
Avian insectivores (AV221)	5.E-02
Avian insectivores (AV222)	2.E-02
Avian insectivores (AV222A)	1.E-02
Avian insectivores (AV232)	0.E+00
Avian insectivores (AV233)	0.E+00
White-faced ibis	0.E+00
Avian insectivores (AV241)	0.E+00
Avian insectivores (AV242)	0.E+00
Avian carnivores (AV310)	2.E-05
Northern goshawk	2.E-06
Peregrine falcon	1.E-05
Avian carnivores (AV322)	6.E-04
Bald eagle	5.E-07
Ferruginous hawk	2.E-06
Loggerhead shrike	8.E-04
Avian carnivores (AV322A)	8.E-05
Burrowing Owl	8.E-05
Avian carnivores (AV333)	0.E+00
Avian carnivores (AV342)	0.E+00
Avian omnivores (AV422)	2.E-04
Avian omnivores (AV432)	0.E+00
Avian omnivores (AV433)	0.E+00
Avian omnivores (AV442)	0.E+00
Mammalian herbivores (M121)	1.E-06
Mammalian herbivores (M122)	4.E-03
Mammalian herbivores (M122A)	3.E-03
Pygmy rabbit	4.E-04
Mammalian herbivores (M123)	3.E-03
Mammalian insectivores (M210)	2.E-03
Mammalian insectivores (M210A)	2.E-03
Townsend's western big-eared bat	4.E-03
Small-footed myotis	6.E-03
Long-eared myotis	5.E-03
Mammalian insectivores (M222)	1.E-01
Mammalian carnivore (M322)	4.E-04
Mammalian omnivores (M422)	7.E-03
Mammalian omnivores (M422A)	1.E-04
Reptilian insectivores (R222)	NA
Sagebrush lizard	NA
Reptilian carnivores (R322)	NA
Plants	NA

Dose (mg/kg-d)					
Functional groups	Chromium III	Chromium VI	2-Hexanone	Lead	-Methylnaphthalen
Amphibians (A232)	2.14E+00	2.14E+00	1.14E-02	1.91E+01	8.35E-02
Avian herbivores (AV121)	8.71E-03	8.71E-03	4.62E-05	7.75E-02	3.40E-04
Avian herbivores (AV122)	5.00E-01	5.00E-01	2.65E-03	4.45E+00	1.95E-02
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	2.34E-02	2.34E-02	1.24E-04	2.09E-01	9.15E-04
Avian insectivores (AV210)	1.18E-01	1.18E-01	7.94E-03	4.18E+00	5.84E-02
Black tern	8.82E-02	8.82E-02	1.59E-03	1.26E+00	1.17E-02
Avian insectivores (AV210A)	4.25E-01	4.25E-01	2.55E-02	1.38E+01	1.88E-01
Avian insectivores (AV221)	4.53E+00	4.53E+00	2.73E-01	1.47E+02	2.01E+00
Avian insectivores (AV222)	7.27E+00	7.27E+00	2.61E-01	1.60E+02	1.92E+00
Avian insectivores (AV222A)	4.38E+00	4.38E+00	1.58E-01	9.66E+01	1.16E+00
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	7.63E-03	7.63E-03	1.87E-04	1.91E-01	1.38E-03
Northern goshawk	9.64E-04	9.64E-04	2.37E-05	2.42E-02	1.74E-04
Peregrine falcon	6.88E-03	6.88E-03	1.69E-04	1.72E-01	1.24E-03
Avian carnivores (AV322)	2.80E-01	2.80E-01	6.86E-03	7.00E+00	5.05E-02
Bald eagle	2.46E-04	2.46E-04	6.03E-06	6.16E-03	4.44E-05
Ferruginous hawk	9.38E-04	9.38E-04	2.30E-05	2.35E-02	1.69E-04
Loggerhead shrike	3.58E-01	3.58E-01	8.79E-03	8.97E+00	6.46E-02
Avian carnivores (AV322A)	4.15E-02	4.15E-02	9.83E-04	1.01E+00	7.23E-03
Burrowing Owl	4.15E-02	4.15E-02	9.83E-04	1.01E+00	7.23E-03
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	1.85E-01	1.85E-01	3.24E-03	3.54E+00	2.38E-02
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	1.64E-03	1.64E-03	8.69E-06	1.46E-02	6.39E-05
Mammalian herbivores (M122)	4.99E+00	4.99E+00	2.64E-02	4.44E+01	1.95E-01
Mammalian herbivores (M122A)	4.65E+00	4.65E+00	2.46E-02	4.14E+01	1.81E-01
Pygmy rabbit	5.33E-01	5.33E-01	2.83E-03	4.74E+00	2.08E-02
Mammalian herbivores (M123)	3.45E+00	3.45E+00	1.83E-02	3.07E+01	1.34E-01
Mammalian insectivores (M210)	1.74E-01	1.74E-01	1.17E-02	6.18E+00	8.63E-02
Mammalian insectivores (M210A)	1.69E-01	1.69E-01	1.14E-02	5.99E+00	8.36E-02
Townsend's western big-eared bat	4.16E-01	4.16E-01	3.18E-02	1.64E+01	2.34E-01
Small-footed myotis	5.93E-01	5.93E-01	4.53E-02	2.34E+01	3.33E-01
Long-eared myotis	5.13E-01	5.13E-01	3.92E-02	2.02E+01	2.88E-01
Mammalian insectivores (M222)	6.04E+00	6.04E+00	3.88E-01	2.06E+02	2.85E+00
Mammalian carnivore (M322)	1.25E-01	1.25E-01	2.54E-03	2.68E+00	1.87E-02
Mammalian omnivores (M422)	4.24E+00	4.24E+00	7.92E-02	8.53E+01	5.82E-01
Mammalian omnivores (M422A)	5.83E-02	5.83E-02	1.09E-03	1.17E+00	8.02E-03
Reptilian insectivores (R222)	1.85E-01	1.85E-01	1.19E-02	6.30E+00	8.72E-02
Sagebrush lizard	1.85E-01	1.85E-01	1.19E-02	6.30E+00	8.72E-02
Reptilian carnivores (R322)	2.40E+00	2.40E+00	5.33E-02	5.54E+01	3.92E-01
Plants	2.64E+02	2.64E+02	1.40E+00	2.35E+03	1.03E+01

Hazard Quotient (unitless)

Functional groups	Chromium III	Chromium VI	2-Hexanone	Lead	-Methylnaphthalen
Amphibians (A232)	NA	NA	NA	NA	NA
Avian herbivores (AV121)	6.E-03	NA	NA	3.E+00	NA
Avian herbivores (AV122)	4.E-01	NA	NA	1.E+02	NA
Avian herbivores (AV132)	0.E+00	NA	NA	0.E+00	NA
Avian herbivores (AV142)	0.E+00	NA	NA	0.E+00	NA
Avian herbivores (AV143)	0.E+00	NA	NA	0.E+00	NA
Trumpeter swan	2.E-02	NA	NA	7.E+00	NA
Avian insectivores (AV210)	9.E-02	NA	NA	1.E+02	NA
Black tern	6.E-02	NA	NA	4.E+01	NA
Avian insectivores (AV210A)	3.E-01	NA	NA	2.E+02	NA
Avian insectivores (AV221)	3.E+00	NA	NA	4.E+03	NA
Avian insectivores (AV222)	5.E+00	NA	NA	4.E+03	NA
Avian insectivores (AV222A)	3.E+00	NA	NA	2.E+03	NA
Avian insectivores (AV232)	0.E+00	NA	NA	0.E+00	NA
Avian insectivores (AV233)	0.E+00	NA	NA	0.E+00	NA
White-faced ibis	0.E+00	NA	NA	0.E+00	NA
Avian insectivores (AV241)	0.E+00	NA	NA	0.E+00	NA
Avian insectivores (AV242)	0.E+00	NA	NA	0.E+00	NA
Avian carnivores (AV310)	6.E-03	NA	NA	6.E+00	NA
Northern goshawk	7.E-04	NA	NA	6.E-01	NA
Peregrine falcon	5.E-03	NA	NA	4.E+00	NA
Avian carnivores (AV322)	2.E-01	NA	NA	2.E+02	NA
Bald eagle	2.E-04	NA	NA	2.E-01	NA
Ferruginous hawk	7.E-04	NA	NA	8.E-01	NA
Loggerhead shrike	3.E-01	NA	NA	3.E+02	NA
Avian carnivores (AV322A)	3.E-02	NA	NA	3.E+01	NA
Burrowing Owl	3.E-02	NA	NA	3.E+01	NA
Avian carnivores (AV333)	0.E+00	NA	NA	0.E+00	NA
Avian carnivores (AV342)	0.E+00	NA	NA	0.E+00	NA
Avian omnivores (AV422)	9.E-02	NA	NA	1.E+02	NA
Avian omnivores (AV432)	0.E+00	NA	NA	0.E+00	NA
Avian omnivores (AV433)	0.E+00	NA	NA	0.E+00	NA
Avian omnivores (AV442)	0.E+00	NA	NA	0.E+00	NA
Mammalian herbivores (M121)	7.E-06	3.E-02	NA	5.E-03	6.E-03
Mammalian herbivores (M122)	2.E-02	1.E+02	NA	2.E+01	2.E+01
Mammalian herbivores (M122A)	2.E-02	9.E+01	NA	2.E+01	2.E+01
Pygmy rabbit	2.E-03	1.E+01	NA	2.E+00	2.E+00
Mammalian herbivores (M123)	1.E-02	7.E-01	NA	1.E+01	1.E+01
Mammalian insectivores (M210)	7.E-04	3.E-00	NA	2.E+00	9.E+00
Mammalian insectivores (M210A)	7.E-04	3.E-00	NA	2.E+00	8.E+00
Townsend's western big-eared bat	2.E-03	8.E-00	NA	6.E+00	2.E+01
Small-footed myotis	2.E-03	1.E-01	NA	9.E+00	3.E+01
Long-eared myotis	2.E-03	1.E-01	NA	7.E+00	3.E+01
Mammalian insectivores (M222)	2.E-02	1.E+02	NA	8.E+01	3.E+02
Mammalian carnivore (M322)	5.E-04	3.E+00	NA	1.E+00	2.E+00
Mammalian omnivores (M422)	1.E-02	5.E+01	NA	2.E+01	6.E+01
Mammalian omnivores (M422A)	2.E-04	4.E-01	NA	4.E-01	8.E-01
Reptilian insectivores (R222)	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA
Plants	3.E+02	3.E+02	NA	5.E+01	NA

Dose (mg/kg-d)				
Functional groups	Cadmium	Chromium III	Chromium VI	Silver
Amphibians (A232)	9.49E-02	6.40E-01	6.40E-01	1.46E-01
Avian herbivores (AV121)	8.54E-04	5.76E-03	5.76E-03	1.31E-03
Avian herbivores (AV122)	4.90E-02	3.30E-01	3.30E-01	7.54E-02
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	2.30E-03	1.55E-02	1.55E-02	3.53E-03
Avian insectivores (AV210)	1.61E-01	7.80E-02	7.80E-02	2.26E-01
Black tern	3.15E-02	5.83E-02	5.83E-02	4.51E-02
Avian insectivores (AV210A)	5.18E-01	2.81E-01	2.81E-01	7.26E-01
Avian insectivores (AV221)	2.50E+00	1.35E+00	1.35E+00	3.50E+00
Avian insectivores (AV222)	3.59E+00	3.27E+00	3.27E+00	5.07E+00
Avian insectivores (AV222A)	2.34E+00	2.13E+00	2.13E+00	3.30E+00
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	6.52E-03	5.05E-03	5.05E-03	2.20E-03
Northern goshawk	8.24E-04	6.37E-04	6.37E-04	2.77E-04
Peregrine falcon	5.87E-03	4.55E-03	4.55E-03	1.98E-03
Avian carnivores (AV322)	2.39E-01	1.85E-01	1.85E-01	8.04E-02
Bald eagle	2.10E-04	1.62E-04	1.62E-04	7.07E-05
Ferruginous hawk	8.01E-04	6.20E-04	6.20E-04	2.70E-04
Loggerhead shrike	3.06E-01	2.37E-01	2.37E-01	1.03E-01
Avian carnivores (AV322A)	3.40E-02	2.75E-02	2.75E-02	1.17E-02
Burrowing Owl	3.40E-02	2.75E-02	2.75E-02	1.17E-02
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	1.07E-01	1.22E-01	1.22E-01	9.21E-02
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	1.61E-04	1.08E-03	1.08E-03	2.47E-04
Mammalian herbivores (M122)	2.21E-01	1.49E+00	1.49E+00	3.40E-01
Mammalian herbivores (M122A)	2.45E-01	1.65E+00	1.65E+00	3.77E-01
Pygmy rabbit	2.62E-02	1.77E-01	1.77E-01	4.04E-02
Mammalian herbivores (M123)	1.53E-01	1.03E+00	1.03E+00	2.35E-01
Mammalian insectivores (M210)	2.38E-01	1.15E-01	1.15E-01	3.33E-01
Mammalian insectivores (M210A)	2.31E-01	1.12E-01	1.12E-01	3.23E-01
Townsend's western big-eared bat	6.46E-01	2.75E-01	2.75E-01	9.05E-01
Small-footed myotis	9.21E-01	3.92E-01	3.92E-01	1.29E+00
Long-eared myotis	7.96E-01	3.39E-01	3.39E-01	1.11E+00
Mammalian insectivores (M222)	3.56E+00	1.81E+00	1.81E+00	4.99E+00
Mammalian carnivore (M322)	8.58E-02	8.27E-02	8.27E-02	3.22E-02
Mammalian omnivores (M422)	2.64E+00	2.80E+00	2.80E+00	2.25E+00
Mammalian omnivores (M422A)	3.64E-02	3.85E-02	3.85E-02	3.10E-02
Reptilian insectivores (R222)	1.09E-01	5.52E-02	5.52E-02	1.52E-01
Sagebrush lizard	1.09E-01	5.52E-02	5.52E-02	1.52E-01
Reptilian carnivores (R322)	1.83E+00	1.58E+00	1.58E+00	6.50E-01
Plants	1.17E+01	7.89E+01	7.89E+01	1.80E+01

Hazard Quotient (unitless)

Functional groups	Cadmium	Chromium III	Chromium VI	Silver
Amphibians (A232)	NA	NA	NA	NA
Avian herbivores (AV121)	5.E-02	4.E-03	NA	NA
Avian herbivores (AV122)	3.E+00	2.E-01	NA	NA
Avian herbivores (AV132)	0.E+00	0.E+00	NA	NA
Avian herbivores (AV142)	0.E+00	0.E+00	NA	NA
Avian herbivores (AV143)	0.E+00	0.E+00	NA	NA
Trumpeter swan	7.E-02	1.E-02	NA	NA
Avian insectivores (AV210)	1.E+01	6.E-02	NA	NA
Black tern	3.E+00	4.E-02	NA	NA
Avian insectivores (AV210A)	4.E+01	2.E-01	NA	NA
Avian insectivores (AV221)	2.E+02	1.E+00	NA	NA
Avian insectivores (AV222)	3.E+02	2.E+00	NA	NA
Avian insectivores (AV222A)	2.E+02	2.E+00	NA	NA
Avian insectivores (AV232)	0.E+00	0.E+00	NA	NA
Avian insectivores (AV233)	0.E+00	0.E+00	NA	NA
White-faced ibis	0.E+00	0.E+00	NA	NA
Avian insectivores (AV241)	0.E+00	0.E+00	NA	NA
Avian insectivores (AV242)	0.E+00	0.E+00	NA	NA
Avian carnivores (AV310)	5.E-01	4.E-03	NA	NA
Northern goshawk	7.E-02	5.E-04	NA	NA
Peregrine falcon	5.E-01	3.E-03	NA	NA
Avian carnivores (AV322)	2.E+01	1.E-01	NA	NA
Bald eagle	2.E-02	1.E-04	NA	NA
Ferruginous hawk	7.E-02	5.E-04	NA	NA
Loggerhead shrike	3.E+01	2.E-01	NA	NA
Avian carnivores (AV322A)	3.E+00	2.E-02	NA	NA
Burrowing Owl	3.E+00	2.E-02	NA	NA
Avian carnivores (AV333)	0.E+00	0.E+00	NA	NA
Avian carnivores (AV342)	0.E+00	0.E+00	NA	NA
Avian omnivores (AV422)	4.E-01	6.E-02	NA	NA
Avian omnivores (AV432)	0.E+00	0.E+00	NA	NA
Avian omnivores (AV433)	0.E+00	0.E+00	NA	NA
Avian omnivores (AV442)	0.E+00	0.E+00	NA	NA
Mammalian herbivores (M121)	2.E-01	4.E-06	2.E-02	6.E-04
Mammalian herbivores (M122)	3.E+02	6.E-03	3.E+01	8.E-01
Mammalian herbivores (M122A)	3.E+02	7.E-03	3.E+01	9.E-01
Pygmy rabbit	3.E+01	7.E-04	4.E+00	1.E-01
Mammalian herbivores (M123)	2.E+02	4.E-03	2.E+01	6.E-01
Mammalian insectivores (M210)	3.E+02	5.E-04	2.E+00	8.E-01
Mammalian insectivores (M210A)	3.E+02	4.E-04	2.E+00	8.E-01
Townsend's western big-eared bat	8.E+02	1.E-03	6.E+00	2.E+00
Small-footed myotis	1.E+03	2.E-03	8.E+00	3.E+00
Long-eared myotis	1.E+03	1.E-03	7.E+00	3.E+00
Mammalian insectivores (M222)	4.E+03	7.E-03	4.E+01	1.E+01
Mammalian carnivore (M322)	1.E+02	3.E-04	2.E+00	8.E-02
Mammalian omnivores (M422)	3.E+03	7.E-03	3.E+01	4.E+00
Mammalian omnivores (M422A)	4.E+01	1.E-04	3.E-01	5.E-02
Reptilian insectivores (R222)	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA
Plants	4.E+00	8.E+01	8.E+01	9.E+00

Dose (mg/kg-d)	Acenaphthalene	-Methylnaphthalen	Naphthalene	Phenanthrene	TPH	Xylene
Amphibians (A232)	5.99E-03	2.38E-01	4.59E-02	3.03E-02	1.62E+01	2.13E-02
Avian herbivores (AV121)	1.19E-05	4.74E-04	9.16E-05	6.05E-05	3.24E-02	4.25E-05
Avian herbivores (AV122)	6.86E-04	2.72E-02	5.26E-03	3.48E-03	1.86E+00	2.44E-03
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	3.22E-05	1.28E-03	2.47E-04	1.63E-04	8.72E-02	1.15E-04
Avian insectivores (AV210)	4.19E-05	8.16E-02	3.16E-04	2.09E-04	5.57E+00	1.46E-04
Black tern	1.03E-04	1.63E-02	7.87E-04	5.20E-04	1.11E+00	3.65E-04
Avian insectivores (AV210A)	2.01E-04	2.62E-01	1.52E-03	1.01E-03	1.79E+01	7.06E-04
Avian insectivores (AV221)	4.15E-03	5.43E+00	3.15E-02	2.08E-02	3.71E+02	1.46E-02
Avian insectivores (AV222)	6.31E-03	2.69E+00	4.83E-02	3.19E-02	1.83E+02	2.24E-02
Avian insectivores (AV222A)	3.81E-03	1.62E+00	2.91E-02	1.92E-02	1.11E+02	1.35E-02
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	9.89E-07	1.93E-03	7.46E-06	4.93E-06	1.31E-01	3.46E-06
Northern goshawk	1.25E-07	2.43E-04	9.42E-07	6.23E-07	1.66E-02	4.37E-07
Peregrine falcon	8.91E-07	1.73E-03	6.72E-06	4.44E-06	1.18E-01	3.11E-06
Avian carnivores (AV322)	3.62E-05	7.05E-02	2.73E-04	1.81E-04	4.82E+00	1.27E-04
Bald eagle	3.18E-08	6.20E-05	2.40E-07	1.59E-07	4.23E-03	1.11E-07
Ferruginous hawk	1.22E-07	2.37E-04	9.16E-07	6.06E-07	1.62E-02	4.25E-07
Loggerhead shrike	4.64E-05	9.03E-02	3.50E-04	2.31E-04	6.16E+00	1.62E-04
Avian carnivores (AV322A)	7.73E-06	1.01E-02	5.86E-05	3.88E-05	6.90E-01	2.72E-05
Burrowing Owl	7.73E-06	1.01E-02	5.86E-05	3.88E-05	6.90E-01	2.72E-05
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	1.09E-04	3.33E-02	8.31E-04	5.49E-04	2.27E+00	3.86E-04
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	2.25E-06	8.93E-05	1.72E-05	1.14E-05	6.09E-03	8.00E-06
Mammalian herbivores (M122)	7.49E-03	2.98E-01	5.75E-02	3.80E-02	2.03E+01	2.67E-02
Mammalian herbivores (M122A)	6.37E-03	2.53E-01	4.89E-02	3.23E-02	1.73E+01	2.27E-02
Pygmy rabbit	7.31E-04	2.90E-02	5.61E-03	3.70E-03	1.98E+00	2.60E-03
Mammalian herbivores (M123)	5.95E-03	2.37E-01	4.57E-02	3.02E-02	1.61E+01	2.12E-02
Mammalian insectivores (M210)	6.19E-05	1.20E-01	4.66E-04	3.09E-04	8.22E+00	2.16E-04
Mammalian insectivores (M210A)	6.00E-05	1.17E-01	4.52E-04	2.99E-04	7.98E+00	2.10E-04
Townsend's western big-eared bat	8.56E-05	3.27E-01	6.35E-04	4.20E-04	2.23E+01	2.94E-04
Small-footed myotis	1.22E-04	4.66E-01	9.04E-04	5.99E-04	3.18E+01	4.18E-04
Long-eared myotis	1.06E-04	4.03E-01	7.82E-04	5.18E-04	2.75E+01	3.62E-04
Mammalian insectivores (M222)	4.98E-03	8.10E+00	3.76E-02	2.49E-02	5.53E+02	1.74E-02
Mammalian carnivore (M322)	5.07E-05	2.61E-02	3.88E-04	2.56E-04	1.78E+00	1.80E-04
Mammalian omnivores (M422)	2.15E-03	8.13E-01	1.64E-02	1.09E-02	5.55E+01	7.63E-03
Mammalian omnivores (M422A)	2.96E-05	1.12E-02	2.26E-04	1.49E-04	7.65E-01	1.05E-04
Reptilian insectivores (R222)	1.61E-04	2.62E-01	1.22E-03	8.06E-04	1.79E+01	5.65E-04
Sagebrush lizard	1.61E-04	2.62E-01	1.22E-03	8.06E-04	1.79E+01	5.65E-04
Reptilian carnivores (R322)	6.67E-04	5.48E-01	5.08E-03	3.36E-03	3.74E+01	2.36E-03
Plants	7.30E+00	2.90E+02	5.60E+01	3.70E+01	1.98E+04	2.60E+01

Hazard Quotient (unitless)						
Functional groups	Acenaphthalene	-Methylnaphthalen	Naphthalene	Phenanthrene	TPH	Xylene
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV122)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV132)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV142)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV143)	NA	NA	NA	NA	NA	NA
Trumpeter swan	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210)	NA	NA	NA	NA	NA	NA
Black tern	NA	NA	NA	NA	NA	NA
Avian insectivores (AV210A)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV221)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV222A)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV232)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV233)	NA	NA	NA	NA	NA	NA
White-faced ibis	NA	NA	NA	NA	NA	NA
Avian insectivores (AV241)	NA	NA	NA	NA	NA	NA
Avian insectivores (AV242)	NA	NA	NA	NA	NA	NA
Avian carnivores (AV310)	NA	NA	NA	NA	NA	NA
Northern goshawk	NA	NA	NA	NA	NA	NA
Peregrine falcon	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322)	NA	NA	NA	NA	NA	NA
Bald eagle	NA	NA	NA	NA	NA	NA
Ferruginous hawk	NA	NA	NA	NA	NA	NA
Loggerhead shrike	NA	NA	NA	NA	NA	NA
Avian carnivores (AV322A)	NA	NA	NA	NA	NA	NA
Burrowing Owl	NA	NA	NA	NA	NA	NA
Avian carnivores (AV333)	NA	NA	NA	NA	NA	NA
Avian carnivores (AV342)	NA	NA	NA	NA	NA	NA
Avian omnivores (AV422)	NA	NA	NA	NA	NA	NA
Avian omnivores (AV432)	NA	NA	NA	NA	NA	NA
Avian omnivores (AV433)	NA	NA	NA	NA	NA	NA
Avian omnivores (AV442)	NA	NA	NA	NA	NA	NA
Mammalian herbivores (M121)	2.E-04	9.E-03	8.E-06	3.E-07	2.E-03	9.E-05
Mammalian herbivores (M122)	7.E-01	3.E+01	3.E-02	9.E-04	6.E+00	3.E-01
Mammalian herbivores (M122A)	6.E-01	3.E+01	2.E-02	8.E-04	5.E+00	3.E-01
Pygmy rabbit	7.E-02	3.E+00	3.E-03	9.E-05	5.E-01	3.E-02
Mammalian herbivores (M123)	6.E-01	2.E+01	2.E-02	7.E-04	4.E+00	2.E-01
Mammalian insectivores (M210)	6.E-03	1.E+01	2.E-04	7.E-06	2.E+00	3.E-03
Mammalian insectivores (M210A)	6.E-03	1.E+01	2.E-04	7.E-06	2.E+00	2.E-03
Townsend's western big-eared bat	9.E-03	3.E+01	3.E-04	1.E-05	6.E+00	3.E-03
Small-footed myotis	1.E-02	5.E+01	4.E-04	1.E-05	9.E+00	5.E-03
Long-eared myotis	1.E-02	4.E+01	4.E-04	1.E-05	8.E+00	4.E-03
Mammalian insectivores (M222)	5.E-01	8.E+02	2.E-02	6.E-04	2.E+02	2.E-01
Mammalian carnivore (M322)	5.E-03	3.E+00	2.E-04	6.E-06	5.E-01	2.E-03
Mammalian omnivores (M422)	2.E-01	8.E+01	5.E-03	2.E-04	1.E+01	6.E-02
Mammalian omnivores (M422A)	3.E-03	1.E+00	7.E-05	2.E-06	1.E-01	8.E-04
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	NA	NA	NA	NA	NA	NA

Dose (mg/kg-d)						
Functional groups	Aroclor 1260	Arsenic	Benzo(a)pyren	Cadmium	Chromium III	Copper
Amphibians (A232)	1.38E-02	3.99E-01	1.70E-03	1.21E-01	1.22E+00	8.84E+00
Avian herbivores (AV121)	2.18E-04	6.31E-03	2.69E-05	1.91E-03	1.92E-02	1.40E-01
Avian herbivores (AV122)	1.25E-02	3.62E-01	1.55E-03	1.10E-01	1.10E+00	8.03E+00
Avian herbivores (AV132)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	5.87E-04	1.70E-02	7.25E-05	5.14E-03	5.18E-02	3.76E-01
Avian insectivores (AV210)	7.96E-04	1.09E+00	9.45E-05	3.61E-01	2.61E-01	2.40E+01
Black tern	1.88E-03	2.17E-01	2.32E-04	7.06E-02	1.95E-01	4.80E+00
Avian insectivores (AV210A)	3.77E-03	3.49E+00	4.53E-04	1.16E+00	9.39E-01	7.73E+01
Avian insectivores (AV221)	1.03E-02	9.58E+00	1.24E-03	3.18E+00	2.58E+00	2.12E+02
Avian insectivores (AV222)	4.51E-02	1.39E+01	5.52E-03	4.58E+00	6.23E+00	3.07E+02
Avian insectivores (AV222A)	2.93E-02	9.01E+00	3.59E-03	2.98E+00	4.05E+00	2.00E+02
Avian insectivores (AV232)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	1.88E-05	1.52E-03	2.23E-06	1.46E-02	1.69E-02	1.23E-01
Northern goshawk	2.37E-06	1.92E-04	2.82E-07	1.84E-03	2.13E-03	1.55E-02
Peregrine falcon	1.69E-05	1.37E-03	2.01E-06	1.32E-02	1.52E-02	1.10E-01
Avian carnivores (AV322)	6.88E-04	5.55E-02	8.17E-05	5.35E-01	6.18E-01	4.49E+00
Bald eagle	6.05E-07	4.88E-05	7.18E-08	4.70E-04	5.43E-04	3.95E-03
Ferruginous hawk	2.31E-06	1.86E-04	2.74E-07	1.79E-03	2.07E-03	1.51E-02
Loggerhead shrike	8.81E-04	7.11E-02	1.05E-04	6.84E-01	7.91E-01	5.75E+00
Avian carnivores (AV322A)	1.45E-04	9.24E-03	1.74E-05	7.62E-02	9.18E-02	6.67E-01
Burrowing Owl	1.45E-04	9.24E-03	1.74E-05	7.62E-02	9.18E-02	6.67E-01
Avian carnivores (AV333)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	1.99E-03	4.43E-01	2.45E-04	2.39E-01	4.09E-01	9.81E+00
Avian omnivores (AV432)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	4.10E-05	1.19E-03	5.07E-06	3.60E-04	3.62E-03	2.63E-02
Mammalian herbivores (M122)	3.21E-02	9.29E-01	3.97E-03	2.81E-01	2.83E+00	2.06E+01
Mammalian herbivores (M122A)	3.56E-02	1.03E+00	4.40E-03	3.12E-01	3.14E+00	2.28E+01
Pygmy rabbit	3.81E-03	1.10E-01	4.71E-04	3.34E-02	3.36E-01	2.44E+00
Mammalian herbivores (M123)	2.22E-02	6.42E-01	2.74E-03	1.94E-01	1.96E+00	1.42E+01
Mammalian insectivores (M210)	1.18E-03	1.60E+00	1.40E-04	5.33E-01	3.85E-01	3.55E+01
Mammalian insectivores (M210A)	1.14E-03	1.55E+00	1.35E-04	5.17E-01	3.73E-01	3.44E+01
Townsend's western big-eared bat	1.69E-03	4.35E+00	1.93E-04	1.45E+00	9.20E-01	9.63E+01
Small-footed myotis	2.41E-03	6.19E+00	2.75E-04	2.06E+00	1.31E+00	1.37E+02
Long-eared myotis	2.08E-03	5.36E+00	2.38E-04	1.78E+00	1.13E+00	1.19E+02
Mammalian insectivores (M222)	1.19E-02	1.36E+01	1.42E-03	4.53E+00	3.43E+00	3.02E+02
Mammalian carnivore (M322)	9.36E-04	3.95E-02	1.14E-04	1.92E-01	2.76E-01	2.01E+00
Mammalian omnivores (M422)	2.91E-02	7.95E+00	3.56E-03	4.35E+00	6.88E+00	1.76E+02
Mammalian omnivores (M422A)	5.44E-04	1.49E-01	6.67E-05	8.15E-02	1.29E-01	3.30E+00
Reptilian insectivores (R222)	3.63E-04	4.17E-01	4.34E-05	1.38E-01	1.05E-01	9.23E+00
Sagebrush lizard	3.63E-04	4.17E-01	4.34E-05	1.38E-01	1.05E-01	9.23E+00
Reptilian carnivores (R322)	1.24E-02	6.27E-01	1.50E-03	4.10E+00	5.30E+00	3.85E+01
Plants	1.70E+00	4.92E+01	2.10E-01	1.49E+01	1.50E+02	1.09E+03

Lead	Mercury	Propionitrile	Silver	Sulfide	etrahydrofura	Thallium	Aroclor-1254
2.74E+00	3.28E+01	1.62E-04	1.35E+00	3.46E+01	1.78E-04	3.91E-01	5.43E-03
4.34E-02	5.18E-01	2.57E-06	2.13E-02	5.48E-01	2.82E-06	6.18E-03	8.59E-05
2.49E+00	2.97E+01	1.47E-04	1.22E+00	3.14E+01	1.62E-04	3.55E-01	4.93E-03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.17E-01	1.39E+00	6.91E-06	5.73E-02	1.47E+00	7.60E-06	1.66E-02	2.31E-04
2.34E+00	3.67E+01	4.41E-04	3.66E+00	9.42E+01	4.85E-04	1.06E+00	3.01E-04
7.07E-01	9.79E+00	8.81E-05	7.31E-01	1.88E+01	9.69E-05	2.12E-01	7.39E-04
7.70E+00	1.20E+02	1.42E-03	1.18E+01	3.03E+02	1.56E-03	3.42E+00	1.44E-03
2.11E+01	3.29E+02	3.89E-03	3.23E+01	8.31E+02	4.28E-03	9.38E+00	3.96E-03
3.47E+01	5.18E+02	5.63E-03	4.67E+01	1.20E+03	6.19E-03	1.36E+01	1.76E-02
2.26E+01	3.37E+02	3.66E-03	3.04E+01	7.82E+02	4.03E-03	8.83E+00	1.15E-02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.07E-01	1.48E+00	1.04E-05	3.56E-02	2.22E+00	1.15E-05	6.00E-04	7.11E-06
1.35E-02	1.88E-01	1.32E-06	4.50E-03	2.81E-01	1.45E-06	7.58E-05	8.98E-07
9.64E-02	1.34E+00	9.38E-06	3.21E-02	2.00E+00	1.03E-05	5.41E-04	6.41E-06
3.92E+00	5.44E+01	3.81E-04	1.30E+00	8.14E+01	4.19E-04	2.20E-02	2.60E-04
3.44E-03	4.78E-02	3.35E-07	1.15E-03	7.15E-02	3.69E-07	1.93E-05	2.29E-07
1.31E-02	1.83E-01	1.28E-06	4.38E-03	2.73E-01	1.41E-06	7.38E-05	8.74E-07
5.02E+00	6.96E+01	4.88E-04	1.67E+00	1.04E+02	5.37E-04	2.81E-02	3.33E-04
5.65E-01	7.82E+00	5.46E-05	1.89E-01	1.17E+01	6.01E-05	4.46E-03	5.56E-05
5.65E-01	7.82E+00	5.46E-05	1.89E-01	1.17E+01	6.01E-05	4.46E-03	5.56E-05
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.98E+00	2.69E+01	1.80E-04	1.49E+00	3.84E+01	1.98E-04	4.34E-01	7.81E-04
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.16E-03	9.75E-02	4.83E-07	4.01E-03	1.03E-01	5.31E-07	1.16E-03	1.62E-05
6.38E+00	7.63E+01	3.78E-04	3.14E+00	8.07E+01	4.16E-04	9.10E-01	1.27E-02
7.08E+00	8.46E+01	4.19E-04	3.48E+00	8.95E+01	4.61E-04	1.01E+00	1.40E-02
7.58E-01	9.06E+00	4.48E-05	3.72E-01	9.57E+00	4.93E-05	1.08E-01	1.50E-03
4.41E+00	5.27E+01	2.61E-04	2.17E+00	5.57E+01	2.87E-04	6.29E-01	8.74E-03
3.46E+00	5.42E+01	6.51E-04	5.41E+00	1.39E+02	7.16E-04	1.57E+00	4.45E-04
3.35E+00	5.26E+01	6.32E-04	5.24E+00	1.35E+02	6.95E-04	1.52E+00	4.31E-04
9.17E+00	1.45E+02	1.77E-03	1.47E+01	3.77E+02	1.94E-03	4.26E+00	6.15E-04
1.31E+01	2.06E+02	2.52E-03	2.09E+01	5.38E+02	2.77E-03	6.07E+00	8.76E-04
1.13E+01	1.79E+02	2.18E-03	1.81E+01	4.65E+02	2.40E-03	5.25E+00	7.58E-04
2.97E+01	4.64E+02	5.54E-03	4.60E+01	1.18E+03	6.10E-03	1.34E+01	4.53E-03
1.50E+00	2.06E+01	1.41E-04	5.22E-01	3.91E+01	1.55E-04	2.74E-02	3.65E-04
3.50E+01	4.77E+02	3.23E-03	2.68E+01	6.90E+02	3.55E-03	7.79E+00	1.14E-02
6.57E-01	8.95E+00	6.06E-05	5.03E-01	1.29E+01	6.66E-05	1.46E-01	2.13E-04
9.07E-01	1.42E+01	1.69E-04	1.41E+00	3.52E+01	1.86E-04	4.08E-01	1.38E-04
9.07E-01	1.42E+01	1.69E-04	1.41E+00	3.52E+01	1.86E-04	4.08E-01	1.38E-04
3.10E+01	4.27E+02	2.96E-03	1.05E+01	6.32E+02	3.26E-03	3.70E-01	4.80E-03
3.38E+02	4.04E+03	2.00E-02	1.66E+02	4.27E+03	2.20E-02	4.82E+01	6.70E-01

zo(b)fluoranth	nzo(g,h,i)peryl	Chrysene	ethyl-hexyl)pht	no(1,2,3-cd)py	Aluminum	Antimony	Barium
2.43E-03	1.86E-03	1.95E-03	3.16E-02	1.62E-03	2.76E+02	2.22E-01	7.90E+01
3.85E-05	2.95E-05	3.08E-05	5.00E-04	2.57E-05	4.36E+00	3.51E-03	1.25E+00
2.21E-03	1.69E-03	1.77E-03	2.87E-02	1.47E-03	2.50E+02	2.02E-01	7.17E+01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.04E-04	7.94E-05	8.29E-05	1.35E-03	6.91E-05	1.17E+01	9.46E-03	3.36E+00
6.62E-03	1.05E-04	1.07E-04	8.60E-02	9.10E-05	7.50E+02	5.45E-01	2.15E+02
1.32E-03	2.54E-04	2.65E-04	1.72E-02	2.21E-04	1.50E+02	1.12E-01	4.29E+01
2.13E-02	5.00E-04	5.15E-04	2.77E-01	4.35E-04	2.41E+03	1.76E+00	6.91E+02
5.84E-02	1.37E-03	1.41E-03	7.59E-01	1.19E-03	6.62E+03	4.82E+00	1.90E+03
8.45E-02	6.06E-03	6.30E-03	1.10E+00	5.27E-03	9.57E+03	7.01E+00	2.74E+03
5.49E-02	3.94E-03	4.10E-03	7.14E-01	3.43E-03	6.23E+03	4.56E+00	1.78E+03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.56E-04	2.47E-06	2.53E-06	2.03E-03	2.15E-06	4.23E-01	3.69E-04	1.76E-01
1.97E-05	3.12E-07	3.20E-07	2.56E-04	2.71E-07	5.35E-02	4.66E-05	2.22E-02
1.41E-04	2.23E-06	2.28E-06	1.83E-03	1.94E-06	3.81E-01	3.33E-04	1.59E-01
5.72E-03	9.05E-05	9.26E-05	7.44E-02	7.87E-05	1.55E+01	1.35E-02	6.44E+00
5.03E-06	7.95E-08	8.14E-08	6.53E-05	6.92E-08	1.36E-02	1.19E-05	5.66E-03
1.92E-05	3.04E-07	3.11E-07	2.50E-04	2.64E-07	5.20E-02	4.54E-05	2.16E-02
7.32E-03	1.16E-04	1.19E-04	9.52E-02	1.01E-04	1.98E+01	1.73E-02	8.25E+00
8.19E-04	1.92E-05	1.98E-05	1.07E-02	1.67E-05	3.15E+00	2.68E-03	1.19E+00
8.19E-04	1.92E-05	1.98E-05	1.07E-02	1.67E-05	3.15E+00	2.68E-03	1.19E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.70E-03	2.69E-04	2.79E-04	3.51E-02	2.33E-04	3.06E+02	2.25E-01	8.76E+01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.24E-06	5.55E-06	5.79E-06	9.41E-05	4.83E-06	8.20E-01	6.61E-04	2.35E-01
5.67E-03	4.34E-03	4.53E-03	7.37E-02	3.78E-03	6.42E+02	5.18E-01	1.84E+02
6.29E-03	4.82E-03	5.03E-03	8.17E-02	4.19E-03	7.12E+02	5.74E-01	2.04E+02
6.73E-04	5.16E-04	5.38E-04	8.74E-03	4.48E-04	7.62E+01	6.14E-02	2.18E+01
3.92E-03	3.00E-03	3.13E-03	5.09E-02	2.61E-03	4.44E+02	3.58E-01	1.27E+02
9.77E-03	1.55E-04	1.58E-04	1.27E-01	1.34E-04	1.11E+03	8.05E-01	3.17E+02
9.47E-03	1.50E-04	1.53E-04	1.23E-01	1.30E-04	1.07E+03	7.81E-01	3.08E+02
2.65E-02	2.16E-04	2.17E-04	3.45E-01	1.88E-04	3.00E+03	2.18E+00	8.61E+02
3.78E-02	3.08E-04	3.10E-04	4.91E-01	2.68E-04	4.28E+03	3.11E+00	1.23E+03
3.27E-02	2.67E-04	2.68E-04	4.25E-01	2.32E-04	3.70E+03	2.69E+00	1.06E+03
8.31E-02	1.57E-03	1.61E-03	1.08E+00	1.37E-03	9.42E+03	6.85E+00	2.70E+03
2.11E-03	1.26E-04	1.31E-04	2.75E-02	1.09E-04	1.93E+01	1.59E-02	6.23E+00
4.85E-02	3.91E-03	4.07E-03	6.30E-01	3.40E-03	5.49E+03	4.03E+00	1.57E+03
9.09E-04	7.32E-05	7.61E-05	1.18E-02	6.36E-05	1.03E+02	7.56E-02	2.95E+01
2.54E-03	4.80E-05	4.93E-05	3.30E-02	4.17E-05	2.88E+02	2.09E-01	8.25E+01
2.54E-03	4.80E-05	4.93E-05	3.30E-02	4.17E-05	2.88E+02	2.09E-01	8.25E+01
4.44E-02	1.66E-03	1.71E-03	5.78E-01	1.44E-03	2.61E+02	2.18E-01	8.98E+01
3.00E-01	2.30E-01	2.40E-01	3.90E+00	2.00E-01	3.40E+04	2.74E+01	9.74E+03

Cobalt	Cyanide	Nickel	Selenium	Sodium	Strontium	Tin	Vanadium
1.61E-01	2.38E-02	6.34E-01	3.42E-01	8.92E+00	4.84E+00	9.32E+00	7.66E-01
2.55E-03	3.76E-04	1.00E-02	5.41E-03	1.41E-01	7.66E-02	1.48E-01	1.21E-02
1.47E-01	2.16E-02	5.76E-01	3.11E-01	8.10E+00	4.40E+00	8.47E+00	6.96E-01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.87E-03	1.01E-03	2.70E-02	1.46E-02	3.80E-01	2.06E-01	3.97E-01	3.26E-02
4.39E-01	6.46E-02	1.72E+00	9.31E-01	2.43E+01	1.96E+01	2.54E+01	2.08E+00
8.77E-02	1.29E-02	3.45E-01	1.86E-01	4.85E+00	3.62E+00	5.07E+00	4.16E-01
1.41E+00	2.08E-01	5.55E+00	2.99E+00	7.80E+01	6.29E+01	8.16E+01	6.71E+00
3.87E+00	5.70E-01	1.52E+01	8.22E+00	2.14E+02	1.73E+02	2.24E+02	1.84E+01
5.60E+00	8.25E-01	2.20E+01	1.19E+01	3.10E+02	2.44E+02	3.24E+02	2.66E+01
3.64E+00	5.37E-01	1.43E+01	7.73E+00	2.01E+02	1.59E+02	2.11E+02	1.73E+01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.04E-02	1.53E-03	1.05E-03	9.77E-04	5.73E-01	4.63E-01	5.99E-01	1.25E-03
1.31E-03	1.93E-04	1.33E-04	1.23E-04	7.23E-02	5.85E-02	7.56E-02	1.58E-04
9.33E-03	1.37E-03	9.49E-04	8.81E-04	5.16E-01	4.17E-01	5.39E-01	1.13E-03
3.79E-01	5.59E-02	3.86E-02	3.58E-02	2.10E+01	1.70E+01	2.19E+01	4.57E-02
3.33E-04	4.91E-05	3.39E-05	3.15E-05	1.84E-02	1.49E-02	1.93E-02	4.02E-05
1.27E-03	1.87E-04	1.29E-04	1.20E-04	7.04E-02	5.69E-02	7.36E-02	1.54E-04
4.86E-01	7.15E-02	4.94E-02	4.58E-02	2.68E+01	2.17E+01	2.81E+01	5.86E-02
5.43E-02	8.00E-03	7.65E-03	6.25E-03	3.00E+00	2.42E+00	3.14E+00	9.12E-03
5.43E-02	8.00E-03	7.65E-03	6.25E-03	3.00E+00	2.42E+00	3.14E+00	9.12E-03
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.79E-01	2.64E-02	7.04E-01	3.80E-01	9.90E+00	7.71E+00	1.03E+01	8.50E-01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.80E-04	7.07E-05	1.89E-03	1.02E-03	2.65E-02	1.44E-02	2.77E-02	2.28E-03
3.76E-01	5.53E-02	1.48E+00	7.97E-01	2.08E+01	1.13E+01	2.17E+01	1.79E+00
4.17E-01	6.14E-02	1.64E+00	8.84E-01	2.30E+01	1.25E+01	2.41E+01	1.98E+00
4.46E-02	6.57E-03	1.75E-01	9.46E-02	2.47E+00	1.34E+00	2.58E+00	2.12E-01
2.60E-01	3.82E-02	1.02E+00	5.51E-01	1.44E+01	7.79E+00	1.50E+01	1.23E+00
6.48E-01	9.54E-02	2.55E+00	1.37E+00	3.58E+01	2.90E+01	3.74E+01	3.08E+00
6.28E-01	9.25E-02	2.47E+00	1.33E+00	3.47E+01	2.81E+01	3.63E+01	2.98E+00
1.76E+00	2.59E-01	6.91E+00	3.73E+00	9.72E+01	7.89E+01	1.02E+02	8.35E+00
2.51E+00	3.69E-01	9.84E+00	5.31E+00	1.38E+02	1.12E+02	1.45E+02	1.19E+01
2.17E+00	3.19E-01	8.52E+00	4.60E+00	1.20E+02	9.72E+01	1.25E+02	1.03E+01
5.52E+00	8.12E-01	2.17E+01	1.17E+01	3.05E+02	2.46E+02	3.19E+02	2.62E+01
1.40E-01	2.06E-02	4.55E-02	2.97E-02	7.75E+00	6.15E+00	8.10E+00	5.46E-02
3.21E+00	4.73E-01	1.26E+01	6.82E+00	1.78E+02	1.40E+02	1.86E+02	1.53E+01
6.03E-02	8.87E-03	2.37E-01	1.28E-01	3.33E+00	2.62E+00	3.48E+00	2.86E-01
1.69E-01	2.48E-02	6.62E-01	3.57E-01	9.31E+00	7.52E+00	9.74E+00	8.00E-01
1.69E-01	2.48E-02	6.62E-01	3.57E-01	9.31E+00	7.52E+00	9.74E+00	8.00E-01
2.95E+00	4.34E-01	6.22E-01	4.49E-01	1.63E+02	1.30E+02	1.70E+02	7.45E-01
1.99E+01	2.93E+00	7.82E+01	4.22E+01	1.10E+03	5.97E+02	1.15E+03	9.45E+01

Zinc
1.95E+01
3.08E-01
1.77E+01
0.00E+00
0.00E+00
0.00E+00
8.29E-01
5.29E+01
1.06E+01
1.70E+02
4.67E+02
6.76E+02
4.40E+02
0.00E+00
0.00E+00
0.00E+00
0.00E+00
0.00E+00
8.82E-01
1.11E-01
7.95E-01
3.23E+01
2.84E-02
1.08E-01
4.14E+01
4.65E+00
4.65E+00
0.00E+00
0.00E+00
2.16E+01
0.00E+00
0.00E+00
0.00E+00
5.79E-02
4.53E+01
5.03E+01
5.38E+00
3.13E+01
7.82E+01
7.58E+01
2.12E+02
3.02E+02
2.61E+02
6.65E+02
1.22E+01
3.88E+02
7.27E+00
2.03E+01
2.03E+01
2.54E+02
2.40E+03

Hazard Quotient (unitless)

Functional groups	Aroclor 1260	Arsenic	Benzo(a)pyren	Cadmium	Chromium III	Copper
Amphibians (A232)	NA	NA	NA	NA	NA	NA
Avian herbivores (AV121)	5.45E-03	9.86E-03	NA	1.06E-01	1.41E-02	3.57E-02
Avian herbivores (AV122)	3.13E-01	5.66E-01	NA	6.10E+00	8.12E-01	2.05E+00
Avian herbivores (AV132)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV142)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian herbivores (AV143)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Trumpeter swan	1.47E-02	1.32E-02	NA	1.47E-01	3.81E-02	9.60E-02
Avian insectivores (AV210)	1.99E-02	1.75E+00	NA	3.01E+01	1.92E-01	6.13E+00
Black tern	4.70E-02	1.68E-01	NA	5.88E+00	1.43E-01	1.23E+00
Avian insectivores (AV210A)	9.42E-02	5.63E+00	NA	9.66E+01	6.90E-01	1.97E+01
Avian insectivores (AV221)	2.58E-01	1.55E+01	NA	2.65E+02	1.89E+00	5.41E+01
Avian insectivores (AV222)	1.13E+00	2.23E+01	NA	3.81E+02	4.58E+00	7.83E+01
Avian insectivores (AV222A)	7.33E-01	1.45E+01	NA	2.48E+02	2.98E+00	5.09E+01
Avian insectivores (AV232)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV233)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
White-faced ibis	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV241)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian insectivores (AV242)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV310)	7.52E-03	3.70E-03	NA	1.22E+00	1.24E-02	3.13E-02
Northern goshawk	9.50E-04	4.67E-04	NA	1.54E-01	1.57E-03	3.95E-03
Peregrine falcon	6.77E-03	3.33E-03	NA	1.10E+00	1.12E-02	2.82E-02
Avian carnivores (AV322)	2.75E-01	1.35E-01	NA	4.46E+01	4.54E-01	1.15E+00
Bald eagle	2.42E-04	1.19E-04	NA	3.92E-02	3.99E-04	1.01E-03
Ferruginous hawk	9.24E-04	4.55E-04	NA	1.50E-01	1.52E-03	3.84E-03
Loggerhead shrike	3.52E-01	1.73E-01	NA	5.70E+01	5.81E-01	1.47E+00
Avian carnivores (AV322A)	5.80E-02	2.25E-02	NA	6.35E+00	6.75E-02	1.70E-01
Burrowing Owl	5.80E-02	2.25E-02	NA	6.35E+00	6.75E-02	1.70E-01
Avian carnivores (AV333)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian carnivores (AV342)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV422)	5.24E-01	1.08E+00	NA	8.86E-01	2.01E-01	1.67E+00
Avian omnivores (AV432)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV433)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Avian omnivores (AV442)	0.00E+00	0.00E+00	NA	0.00E+00	0.00E+00	0.00E+00
Mammalian herbivores (M121)	1.66E-05	4.40E-03	5.07E-04	4.49E-01	1.45E-05	4.05E-02
Mammalian herbivores (M122)	1.30E-02	3.44E+00	3.97E-01	3.52E+02	1.13E-02	3.17E+01
Mammalian herbivores (M122A)	1.44E-02	3.82E+00	4.40E-01	3.90E+02	1.26E-02	3.51E+01
Pygmy rabbit	1.54E-03	4.09E-01	4.71E-02	4.18E+01	1.35E-03	3.76E+00
Mammalian herbivores (M123)	8.98E-03	2.38E+00	2.74E-01	2.43E+02	7.83E-03	2.19E+01
Mammalian insectivores (M210)	4.76E-04	5.93E+00	1.40E-02	6.66E+02	1.54E-03	5.46E+01
Mammalian insectivores (M210A)	4.62E-04	5.75E+00	1.35E-02	6.46E+02	1.49E-03	5.30E+01
Townsend's western big-eared bat	6.84E-04	1.61E+01	1.93E-02	1.81E+03	3.68E-03	1.48E+02
Small-footed myotis	9.74E-04	2.29E+01	2.75E-02	2.58E+03	5.24E-03	2.11E+02
Long-eared myotis	8.43E-04	1.98E+01	2.38E-02	2.23E+03	4.53E-03	1.83E+02
Mammalian insectivores (M222)	4.81E-03	5.05E+01	1.42E-01	5.67E+03	1.37E-02	4.65E+02
Mammalian carnivore (M322)	3.79E-04	1.46E-01	1.14E-02	2.40E+02	1.11E-03	1.03E+00
Mammalian omnivores (M422)	7.85E-03	2.04E+01	3.56E-01	4.35E+03	1.83E-02	2.71E+02
Mammalian omnivores (M422A)	1.47E-04	4.66E-01	6.67E-03	8.15E+01	3.44E-04	5.08E+00
Reptilian insectivores (R222)	NA	NA	NA	NA	NA	NA
Sagebrush lizard	NA	NA	NA	NA	NA	NA
Reptilian carnivores (R322)	NA	NA	NA	NA	NA	NA
Plants	NA	4.92E+00	NA	4.97E+00	1.50E+02	1.09E+01

Lead	Mercury	Propionitrile	Silver	Sulfide	etrahydrofura	Thallium	Aroclor-1254
NA	NA	NA	NA	NA	NA	NA	NA
1.45E+00	1.30E+02	NA	NA	NA	1.23E+00	1.26E-01	2.15E-03
8.30E+01	7.44E+03	NA	NA	NA	7.04E+01	7.24E+00	1.23E-01
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
3.89E+00	1.74E+02	NA	NA	NA	3.30E+00	3.40E-01	5.78E-03
5.85E+01	2.29E+02	NA	NA	NA	2.11E+02	2.17E+01	7.53E-03
2.36E+01	1.22E+03	NA	NA	NA	4.21E+01	4.33E+00	1.85E-02
9.62E+01	7.49E+02	NA	NA	NA	6.79E+02	6.98E+01	3.61E-02
5.28E+02	2.05E+03	NA	NA	NA	1.86E+03	1.92E+02	9.91E-02
8.69E+02	3.24E+03	NA	NA	NA	2.69E+03	2.77E+02	4.40E-01
5.65E+02	2.11E+03	NA	NA	NA	1.75E+03	1.80E+02	2.86E-01
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
3.57E+00	9.28E+00	NA	NA	NA	4.98E+00	1.22E-02	2.84E-03
3.38E-01	1.17E+00	NA	NA	NA	6.29E-01	1.55E-03	3.59E-04
2.41E+00	8.36E+00	NA	NA	NA	4.49E+00	1.10E-02	2.56E-03
1.31E+02	3.40E+02	NA	NA	NA	1.82E+02	4.49E-01	1.04E-01
1.15E-01	2.99E-01	NA	NA	NA	1.60E-01	3.94E-04	9.15E-05
4.38E-01	1.14E+00	NA	NA	NA	6.12E-01	1.51E-03	3.50E-04
1.67E+02	4.35E+02	NA	NA	NA	2.33E+02	5.74E-01	1.33E-01
1.88E+01	4.89E+01	NA	NA	NA	2.61E+01	9.10E-02	2.22E-02
1.88E+01	4.89E+01	NA	NA	NA	2.61E+01	9.10E-02	2.22E-02
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
6.61E+01	1.12E+02	NA	NA	NA	5.66E+01	5.86E+00	2.05E-01
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
0.00E+00	0.00E+00	NA	NA	NA	0.00E+00	0.00E+00	0.00E+00
3.02E-03	1.04E+01	NA	9.61E-03	NA	1.61E+00	2.91E-02	3.51E-04
2.36E+00	8.12E+03	NA	7.52E+00	NA	1.26E+03	2.28E+01	2.75E-01
2.62E+00	9.00E+03	NA	8.34E+00	NA	1.40E+03	2.52E+01	3.05E-01
2.81E-01	9.64E+02	NA	8.93E-01	NA	1.49E+02	2.70E+00	3.27E-02
1.63E+00	5.61E+03	NA	5.20E+00	NA	8.70E+02	1.57E+01	1.90E-01
1.28E+00	6.53E+03	NA	1.30E+01	NA	2.17E+03	3.92E+01	9.67E-03
1.24E+00	6.33E+03	NA	1.26E+01	NA	2.11E+03	3.81E+01	9.38E-03
3.40E+00	1.75E+04	NA	3.52E+01	NA	5.89E+03	1.06E+02	1.34E-02
4.84E+00	2.49E+04	NA	5.01E+01	NA	8.39E+03	1.52E+02	1.91E-02
4.19E+00	2.15E+04	NA	4.34E+01	NA	7.26E+03	1.31E+02	1.65E-02
1.10E+01	2.73E+05	NA	1.10E+02	NA	1.85E+04	3.34E+02	9.84E-02
5.56E-01	2.48E+03	NA	1.25E+00	NA	4.70E+02	6.85E-01	2.66E-03
8.76E+00	3.82E+04	NA	4.29E+01	NA	7.11E+01	1.30E+02	7.11E-02
1.99E-01	7.16E+02	NA	8.04E-01	NA	1.33E+02	2.43E+00	1.33E-03
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
6.76E+00	1.35E+04	NA	8.30E+01	NA	NA	4.82E+01	NA

zo(b)fluoranth	nzo(g,h,i)peryl	Chrysene	ethyl-hexyl)pht	no(1,2,3-cd)py	Aluminum	Antimony	Barium
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	5.81E-02	NA	NA
NA	NA	NA	NA	NA	3.34E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	1.57E-01	NA	NA
NA	NA	NA	NA	NA	1.00E+01	NA	NA
NA	NA	NA	NA	NA	2.00E+00	NA	NA
NA	NA	NA	NA	NA	3.22E+01	NA	NA
NA	NA	NA	NA	NA	8.83E+01	NA	NA
NA	NA	NA	NA	NA	1.28E+02	NA	NA
NA	NA	NA	NA	NA	8.30E+01	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	5.64E-03	NA	NA
NA	NA	NA	NA	NA	7.13E-04	NA	NA
NA	NA	NA	NA	NA	5.09E-03	NA	NA
NA	NA	NA	NA	NA	2.07E-01	NA	NA
NA	NA	NA	NA	NA	1.82E-04	NA	NA
NA	NA	NA	NA	NA	6.94E-04	NA	NA
NA	NA	NA	NA	NA	2.65E-01	NA	NA
NA	NA	NA	NA	NA	4.19E-02	NA	NA
NA	NA	NA	NA	NA	4.19E-02	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	2.72E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
NA	NA	NA	NA	NA	0.00E+00	NA	NA
3.62E-04	5.55E-04	8.27E-05	1.19E-04	4.83E-04	6.41E-01	2.87E-03	4.70E+00
2.83E-01	4.34E-01	6.48E-02	9.33E-02	3.78E-01	5.02E+02	2.25E+00	3.68E+03
3.14E-01	4.82E-01	7.18E-02	1.03E-01	4.19E-01	5.56E+02	2.50E+00	6.80E+03
3.36E-02	5.16E-02	7.69E-03	1.11E-02	4.48E-02	5.96E+01	2.67E-01	7.28E+02
1.96E-01	3.00E-01	4.47E-02	6.44E-02	2.61E-01	3.47E+02	1.55E+00	4.24E+03
4.88E-01	1.55E-02	2.26E-03	1.61E-01	1.34E-02	5.08E+02	3.50E+00	1.06E+04
4.74E-01	1.50E-02	2.19E-03	1.56E-01	1.30E-02	4.93E+02	3.39E+00	1.03E+04
1.33E+00	2.16E-02	3.10E-03	4.36E-01	1.88E-02	1.38E+03	9.49E+00	2.87E+04
1.89E+00	3.08E-02	4.42E-03	6.21E-01	2.68E-02	1.96E+03	1.35E+01	4.09E+04
1.63E+00	2.67E-02	3.83E-03	5.38E-01	2.32E-02	1.70E+03	1.17E+01	3.54E+04
4.16E+00	1.57E-01	2.30E-02	1.37E+00	1.37E-01	4.32E+03	2.98E+01	9.00E+04
1.06E-01	1.26E-02	1.87E-03	3.48E-02	1.09E-02	8.86E+00	6.93E-02	2.08E+02
1.62E+00	3.91E-01	4.07E-02	5.29E-01	3.40E-01	1.68E+03	1.15E+01	3.15E+04
3.03E-02	7.32E-03	7.61E-04	9.93E-03	6.36E-03	3.16E+01	2.16E-01	5.90E+02
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA

Cobalt	Cyanide	Nickel	Selenium	Sodium	Strontium	Tin	Vanadium
NA	NA	NA	NA	NA	NA	NA	NA
1.22E-02	4.18E-02	1.15E-03	4.16E-02	NA	NA	NA	9.32E-02
6.98E-01	2.40E+00	6.58E-02	2.39E+00	NA	NA	NA	5.35E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
3.27E-02	5.62E-02	1.54E-03	5.83E-02	NA	NA	NA	1.31E-01
2.09E+00	1.08E+00	8.37E-01	1.12E+01	NA	NA	NA	2.61E+01
4.18E-01	2.15E-01	1.67E-01	2.24E+00	NA	NA	NA	5.21E+00
6.72E+00	3.46E+00	2.69E+00	3.61E+01	NA	NA	NA	8.38E+01
1.85E+01	9.51E+00	7.39E+00	9.90E+01	NA	NA	NA	2.30E+02
2.67E+01	1.37E+01	1.07E+01	1.43E+02	NA	NA	NA	3.33E+02
1.74E+01	8.94E+00	6.95E+00	9.31E+01	NA	NA	NA	2.16E+02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
4.93E-02	5.87E-02	5.11E-04	1.25E-02	NA	NA	NA	1.56E-02
6.23E-03	7.41E-03	6.46E-05	1.58E-03	NA	NA	NA	1.97E-03
4.44E-02	5.29E-02	4.61E-04	1.13E-02	NA	NA	NA	1.41E-02
1.81E+00	4.30E+00	1.87E-02	4.59E-01	NA	NA	NA	5.72E-01
1.59E-03	3.78E-03	1.65E-05	4.03E-04	NA	NA	NA	5.03E-04
6.06E-03	1.44E-02	6.29E-05	1.54E-03	NA	NA	NA	1.92E-03
2.31E+00	5.50E+00	2.40E-02	5.88E-01	NA	NA	NA	7.32E-01
2.59E-01	6.16E-01	3.71E-03	8.02E-02	NA	NA	NA	1.14E-01
2.59E-01	6.16E-01	3.71E-03	8.02E-02	NA	NA	NA	1.14E-01
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
5.60E-01	4.39E+00	2.28E-01	1.53E+01	NA	NA	NA	3.99E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	0.00E+00
3.43E-03	3.93E-05	2.27E-03	4.07E-02	8.07E-04	4.55E-04	2.41E-02	4.85E-03
2.68E+00	3.07E-02	1.78E+00	3.19E+01	6.32E-01	3.56E-01	1.89E+01	3.80E+00
2.98E+00	3.41E-02	1.97E+00	3.54E+01	7.00E-01	3.95E-01	2.10E+01	4.21E+00
3.19E-01	3.65E-03	2.11E-01	3.78E+00	7.50E-02	4.23E-02	2.24E+00	4.51E-01
1.85E+00	2.12E-02	1.23E+00	2.20E+01	4.36E-01	2.46E-01	1.31E+01	2.62E+00
4.63E+00	5.30E-02	3.07E+00	5.50E+01	1.09E+00	9.15E-01	3.26E+01	6.69E+00
4.49E+00	5.14E-02	2.98E+00	5.33E+01	1.06E+00	8.87E-01	3.16E+01	6.49E+00
1.26E+01	1.44E-01	8.33E+00	1.49E+02	2.95E+00	2.49E+00	8.84E+01	1.82E+01
1.79E+01	2.05E-01	1.19E+01	2.12E+02	4.21E+00	3.55E+00	1.26E+02	2.59E+01
1.55E+01	1.77E-01	1.03E+01	1.84E+02	3.64E+00	3.07E+00	1.09E+02	2.24E+01
3.94E+01	4.51E-01	2.61E+01	4.68E+02	9.27E+00	7.77E+00	2.77E+02	5.69E+01
1.00E+00	1.15E-02	5.48E-02	1.19E+00	2.35E-01	1.94E-01	7.04E+00	1.19E-01
1.53E+01	1.75E-01	1.01E+01	1.79E+02	3.60E+00	2.94E+00	1.08E+02	2.25E+01
1.45E-02	3.29E-03	1.89E-02	3.36E+00	6.74E-02	5.51E-02	2.03E+00	4.21E-01
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA

Zinc
NA
2.38E-02
1.37E+00
0.00E+00
0.00E+00
0.00E+00
3.20E-02
2.65E+01
5.29E+00
8.51E+01
2.34E+02
3.38E+02
2.20E+02
0.00E+00
0.00E+00
0.00E+00
0.00E+00
0.00E+00
4.41E-01
5.57E-02
3.97E-01
1.62E+01
1.42E-02
5.42E-02
2.07E+01
2.32E+00
2.32E+00
0.00E+00
0.00E+00
7.20E+00
0.00E+00
0.00E+00
0.00E+00
1.39E-02
1.09E+01
1.21E+01
1.29E+00
7.51E+00
1.87E+01
1.82E+01
5.09E+01
7.24E+01
6.27E+01
1.60E+02
3.44E-01
6.20E+01
1.16E+00
NA
NA
NA
NA