

Chemical P	Species Scientific Name	Species Coi	Species Grc	Organism L	Organism A
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae	Neonate	<
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae	Exponential growth ph	
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae		
	Raphidocelis subcapitata	Green Alga	Algae	Exponential growth ph	
	Daphnia magna	Water Flea	Crustacean	Neonate	
	Daphnia magna	Water Flea	Crustacean	Neonate	<
	Daphnia magna	Water Flea	Crustaceans; Standard Test Specie		
	Danio rerio	Zebra Dani	Fish; Stand	Embryo	
	Danio rerio	Zebra Dani	Fish; Stand	Embryo	
	Danio rerio	Zebra Dani	Fish; Stand	Not intact	
	Danio rerio	Zebra Dani	Fish; Stand	Not intact	
	Danio rerio	Zebra Dani	Fish; Stand	Not intact	
	Danio rerio	Zebra Dani	Fish; Stand	Not intact	
	Danio rerio	Zebra Dani	Fish; Stand	Not intact	

Organism Age Mean	Organism \neq	Organism \neq	Organism \neq	Organism Age Max	Age Units
24		14			28 Day(s) Hour(s)
24					Hour(s)

ase (log)

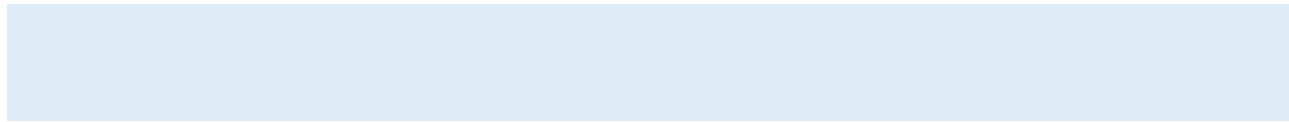
14

28 Day(s)

14

28 Day(s)

ase (log)	24				Hour(s)
s	6				Hours post fertilization
	6				Hours post fertilization



Conc 1 Mean Op (Standardized) Conc 1 Mean (Standardized) Conc 1 Min Op (Standardized)

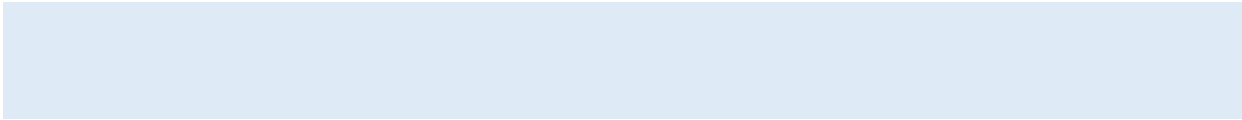
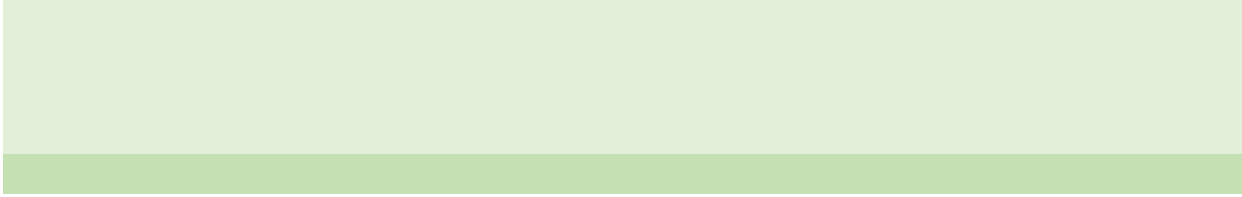
< 0.0138
0.1
0.045
0.0024
0.0105

< 0.0005
10.0231796
0.015
0.0001
0.00044

<= 58.2743
7.2
2
7.484751092

> 0.463863428
0.48950412
> 6.992916
> 6.992916
> 6.992916
> 6.992916
> 6.992916

Conc 2 Me: Conc 2 Min Conc Min 2 Conc 2 Ma) Conc 2 Ma) Conc 2 Unit Conc 3 Typ Conc 3 Me: Conc 3 Me:



Conc 3 Min Conc Min 3 Conc 3 Ma) Conc 3 Ma) Conc 3 Uni: Effect

	Population
	Population
	Population
	Population
	Population
	Population
	Physiology
	Population
	Population
	Population
	Physiology
	Intoxication
	Intoxication
	Mortality
	Genetics
	Genetics
	Biochemistry
	Biochemistry
	Biochemistry
	Biochemistry
	Biochemistry

Effect Measurement

Photosynthesis

Population growth rate

Abundance

Abundance

Population growth rate

Photosynthesis

Photosystem II (PSII) electron transport activity

Abundance

Photosynthesis

Abundance

Photosystem II (PSII) electron transport activity

Immobile

Immobile

Mortality

Gene expression

Gene expression

Estrogen receptor protein

Estrogen receptor protein

Estrogen receptor protein

Estrogen receptor protein

Estrogen receptor protein

Endpoint	Response Site	Observed Duration Mean Op (Days)
EC50		
EC50		
EC50		
EC50		
IC50		
LOEC		
LOEC		<=
LOEC		
NOEC		
NOEL		
		<=
EC50		
EC50		<
LC50		
EC20		
EC20		
EC20		
EC20		
IC20		
IC20		
IC20		

Observed Duration Max (Days)

Observed Duration Units (Days)

BCF 1 Value BCF 1 Value BCF 1 Min (

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

Day(s)

BCF 1 Min BCF 1 Max BCF 1 Max BCF 1 Unit BCF 2 Value BCF 2 Value BCF 2 Min BCF 2 Min BCF 2 Max

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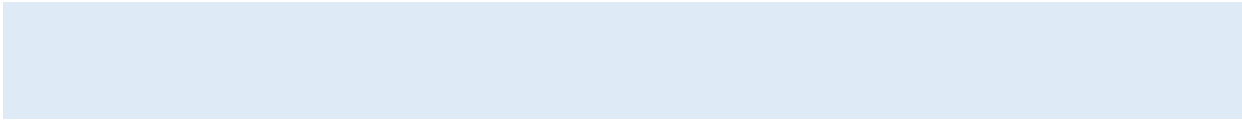
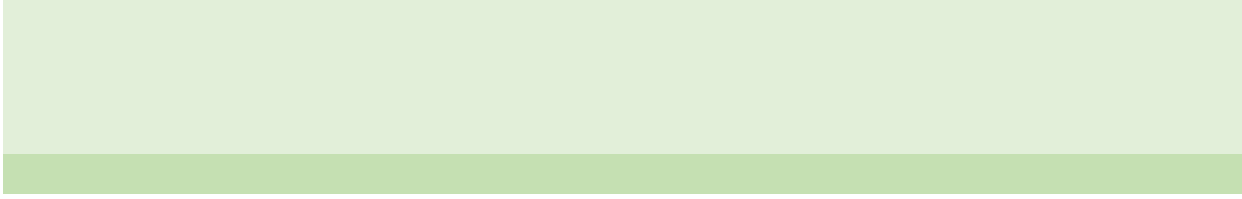
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BCF 2 Max BCF 2 Unit BCF 3 Value BCF 3 Value BCF 3 Min (BCF 3 Min BCF 3 Max BCF 3 Max BCF 3 Unit



Author	Reference	Title	Source	Publication Year
Podola, B., et al.	83755	Selective R	J. Appl. Phy	2005
Malato, S., et al.	102051	Photocatal	Environ. Sc	2003
Mezcua, M.	80359	Chromatog	Chromatog	2002
U.S. Environ	344	Pesticide E	Environme	1992
Fai, P.B., A.	102060	Chlorophyl	Environ. To	2007
Podola, B., et al.	83755	Selective R	J. Appl. Phy	2005
Choi, C.J., J.	158970	Rapid Effec	Water Res.	2012
Mezcua, M.	80359	Chromatog	Chromatog	2002
Podola, B., et al.	83755	Selective R	J. Appl. Phy	2005
U.S. Environ	344	Pesticide E	Environme	1992
Choi, C.J., J.	158970	Rapid Effec	Water Res.	2012
Sanchis, J., I	179060	New Insigh	Environ. Sc	2016
Malato, S., et al.	102051	Photocatal	Environ. Sc	2003
Yasser, E.N.	183330	Impact of C	Toxicol. Int	2015
Wang, P., Z.	182389	Concentrat	Chemosph	2020
Wang, P., Z.	182389	Concentrat	Chemosph	2020
Serra, H., M	180409	Combined	Chemosph	2019
Serra, H., M	180409	Combined	Chemosph	2019
Serra, H., M	180409	Combined	Chemosph	2019
Serra, H., M	180409	Combined	Chemosph	2019
Serra, H., M	180409	Combined	Chemosph	2019

ECOSAR

Organism	Duration	End Point	Co
Fish	96h	LC50	47.
Daphnid	48h	LC50	28.
Green Algae	96h	EC50	27.
Fish		ChV	5.0
Daphnid		ChV	3.3
Green Algae		ChV	8.3
Fish (SW)	96h	LC50	60.
Mysid	96h	LC50	28.
Fish (SW)		ChV	9.8
Mysid (SW)		ChV	2.0
Earthworm	14d	LC50	34.

algae EC50 daphnia magna EC50 danio rerio EC50
 geometrick #REF! #REF! #REF! mg/L

Závěr

Po přediltrování dat vyšlo IC50 pouze pro řasu a to v hodnotě 0,0105 mg/L. Byl proveden g

Concentration (mg/L)
.7
8
7
1
4
4
.2
4
6
1
5

geometrický průměr pro EC50 pro řasy a daphina magna. V případě danio rerio nebyly k dispozici hodnot

y EC50, tedy průměr je uveden pro hodnoty EC20. Nejtoxictější je diuron pro řasy.

Ref. Number	Author	Title	Source	Pub. Year	Ref. Type	Citation	Google Scholar
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101992	Aoki,M., N.	Differing In	Eur. J. Biocl	2004		Aoki,M., N.	Google Scholar
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Category	Parameter Name	Value	Additional Info	Search run-time #####
Habitat		Aquatic	Aquatic	
Chemicals		Name(s) / I330-54-1		
Effect Measurements				
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Species				
Test Conditions				
Publication Options				