

Supplementary Material

Assessment factors in species sensitivity distributions for the derivation of guideline values for aquatic contaminants

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Supporting Information

Table S1. Chronic toxicity data for linear alkylbenzene sulfonate (LAS) normalised to a chain length of 11.58 alkyl carbons for use in an SSD^a

Rank	Taxon	Mean normalized value (mg/L)
1	<i>Onchorhynchus mykiss</i>	0.2349
2	<i>Lemna minor</i>	0.2448
3	<i>Tilapia mossambica</i>	0.2554
4	<i>Corbicula fluminea</i>	0.3591
5	<i>Ceriodaphnia dubia</i>	0.5979
6	<i>Microcystis aeruginosa</i>	0.7250
7	<i>Pimephales promelas</i>	0.9849
8	<i>Lepomis macrochirus</i>	1.0215
9	<i>Hyallela Azteca</i>	1.2636
10	<i>Daphnia magna</i>	1.3702
11	<i>Brachionus calyciflorus</i>	1.6799
12	<i>Desmodesmus subspicatus</i>	2.4337
13	<i>Paratanytarsus parthenogenica</i>	2.6603
14	<i>Chironomus riparius</i>	2.7868
15	<i>Poecelia reticulata</i>	3.2407
16	<i>Chlorella kessleri</i>	3.5491
17	<i>Elimia sp</i>	3.8574
18	<i>Elodea canadensis</i>	4.0562
19	<i>Pseudokirchneriella subcapitata</i>	15.2717

^a Data are taken from the Supplementary Information in Belanger and Carr (2019) originally derived from Belanger et al. (2016)

References

- Belanger SE, Carr GJ. (2019). SSDs revisited: Part II—Practical considerations in the development and use of application factors applied to species sensitivity distributions. *Environmental Toxicology and Chemistry* **38**, 1526–1541.
- Belanger SE, Brill JL, Rawlings JM, Price BB (2016). Development of acute toxicity Quantitative Structure Activity Relationships (QSAR) and their use in linear alkylbenzene sulfonate species sensitivity distributions. *Chemosphere* **155**, 18-27.