

Attachment 4. Summary of Aquatic Toxicity Test Costs

Table 9-2¹. Summary of Aquatic Toxicity Costs for Tests Using Multiple-Concentration Test Design

Test Method and Species	Number of Reported Prices	Range (May 2019 \$)	Average (2019 \$)
Acute Methods			
EPA Method 2000.0 - <i>Cyprinodon variegatus</i>	2	\$413 to \$457	\$435
EPA Method 2000.0 - <i>Oncorhynchus mykiss</i>	2	\$413 to \$457	\$435
EPA Method 2000.0 - <i>Pimephales promelas</i>	11	\$251 to \$892	\$588
EPA Method 2002.0 - <i>Ceriodaphnia dubia</i>	9	\$307 to \$892	\$658
EPA Method 2004.0 - <i>Cyprinodon variegatus</i>	3	\$558 to \$837	\$744
EPA Method 2006.0 - <i>Menidia beryllina</i>	6	\$435 to \$948	\$765
EPA Method 2006.0 - <i>Menidia peninsulae</i>	2	\$837	\$837
EPA Method 2007.0 - <i>Mysidopsis bahia</i>	5	\$558 to \$864	\$753
EPA Method 2019.0 - <i>Oncorhynchus mykiss</i>	5	\$446 to \$1,070	\$794
EPA Method 2019.0 - <i>Salvelinus fontinalis</i>	2	\$837	\$837
EPA Method 2021.0 - <i>Daphnia magna</i>	2	\$502 to \$837	\$669
EPA Method 2021.0 - <i>Daphnia pulex</i>	1	\$1004	\$1,004
EPA Method - <i>Atherinops affinis</i>	4	\$441 to \$948	\$731
EPA Method - <i>Holmesimysis costata</i>	2	\$837	\$837
Chronic Methods			
EPA Method 1000.0 - <i>Pimephales promelas</i>	2	\$1,338 to \$1,394	\$1,366
EPA Method 1001.0 - <i>Pimephales promelas</i>	4	\$1,160 to \$1,394	\$1,303
EPA Method 1002.0 - <i>Ceriodaphnia dubia</i>	7	\$1,195 to \$1,617	\$1,380
EPA Method 1003.0 - <i>Selenastrum capricornutum</i>	6	\$781 to \$1,394	\$1,026
EPA Method 1005.0 - <i>Crassostrea gigas</i> or <i>Mytilus</i> sp.	3	\$1,562 to \$2,454	\$2,026
EPA Method 1006.0 - <i>Atherinops affinis</i>	6	\$1,193 to \$1,617	\$1,379
EPA Method 1009.0 - <i>Macrocystis pyrifera</i>	4	\$1,338 to \$2,064	\$1,603
EPA method 1014.0 - <i>Haliotis rufescens</i>	5	\$1,071 to \$2,231	\$1,675
EPA method 1016.0 - Sand dollar <i>Dendraster excentricus</i> ; <i>Strongylocentrotus purpuratus</i>	3	\$1,562 to \$2,454	\$1,896

¹ State Water Resources Control Board. 2020. Proposed Final Staff Report Including Substitute Environmental Documentation for The Proposed Establishment of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California; and Toxicity Provisions. https://www.waterboards.ca.gov/water_issues/programs/state_implementation_policy/docs/staff_report.pdf

Attachment 4. Summary of Aquatic Toxicity Test Costs

Table 9-3². Summary of Aquatic Toxicity Costs for Tests Using Single Concentration Test Design

Test Method and Species	Number of Reported Prices	Range (May 2019 \$)	Average (May 2019 \$)
Acute Methods			
EPA Method 2000.0 - <i>Cyprinodon variegatus</i>	4	\$290 to \$468	\$368
EPA Method 2000.0 - <i>Oncorhynchus mykiss</i>	4	\$290 to \$468	\$368
EPA Method 2000.0 - <i>Pimephales promelas</i>	19	\$201 to \$669	\$392
EPA Method 2002.0 - <i>Ceriodaphnia dubia</i>	12	\$201 to \$669	\$415
EPA Method 2004.0 - <i>Cyprinodon variegatus</i>	1	\$335	\$335
EPA Method 2006.0 - <i>Menidia beryllina</i>	4	\$218 to \$711	\$469
EPA Method 2006.0 - <i>Menidia peninsulae</i>	0	ND	ND
EPA Method 2007.0 - <i>Mysidopsis bahia</i>	3	\$335 to \$558	\$428
EPA Method 2019.0 - <i>Oncorhynchus mykiss</i>	11	\$290 to \$502	\$432
EPA Method 2019.0 - <i>Salvelinus fontinalis</i>	0	ND	ND
EPA Method 2021.0 - <i>Daphnia magna</i>	8	\$279 to \$627	\$448
EPA Method 2021.0 - <i>Daphnia pulex</i>	1	\$753	\$753
EPA Method - <i>Atherinops affinis</i>	4	\$223 to \$711	\$471
EPA Method - <i>Holmesimysis costata</i>	0	ND	ND
Chronic Methods			
EPA Method 1000.0 - <i>Pimephales promelas</i>	1	\$669 to \$669	\$669
EPA Method 1001.0 - <i>Pimephales promelas</i>	3	\$502 to \$725	\$602
EPA Method 1002.0 - <i>Ceriodaphnia dubia</i>	5	\$502 to \$1,213	\$751
EPA Method 1003.0 - <i>Selenastrum capricornutum</i>	4	\$390 to \$1,046	\$610
EPA Method 1005.0 - <i>Crassostrea gigas</i> or <i>Mytilus</i> sp.	2	\$1,171 to \$1,450	\$1,311
EPA Method 1006.0 - <i>Atherinops affinis</i>	5	\$613 to \$1,213	\$778
EPA Method 1008.0 - Sand dollar <i>Dendraster excentricus</i> ; <i>Strongylocentrotus purpuratus</i>	1	\$562 to \$562	\$562
EPA Method 1009.0 - <i>Macrocystis pyrifera</i>	3	\$669 to \$1,255	\$902
EPA method 1014.0 - <i>Haliotis rufescens</i>	4	\$535 to \$1,338	\$943
EPA method 1016.0 - Sand dollar <i>Dendraster excentricus</i> ; <i>Strongylocentrotus purpuratus</i>	3	\$480 to \$1,450	\$1,034

² State Water Resources Control Board. 2020. Proposed Final Staff Report Including Substitute Environmental Documentation for The Proposed Establishment of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California; and Toxicity Provisions. https://www.waterboards.ca.gov/water_issues/programs/state_implementation_policy/docs/staff_report.pdf