



# Aquatic Toxicology Testing Service List

SRC Environmental Analytical Laboratories' Aquatic Toxicology Laboratory provides both industry and government with qualitative and quantitative data on the adverse effects of a toxicant on aquatic organisms. Tests include standardized acute and chronic aquatic toxicology tests. These tests measure endpoints such as survival, growth and reproduction on ecologically relevant aquatic organisms at various concentrations.

Clients are provided with the information necessary to meet reporting requirements, to operate safely and responsibly, and to ensure operations are consistent with industry regulations.

## The following tests are available:

<p><b>Daphnids (<i>Ceriodaphnia dubia</i>)</b></p> <ul style="list-style-type: none"> <li>Includes Ceriodaphnia dubia IC25, Reproduction; Ceriodaphnia dubia LC50</li> </ul>
<p><b>Daphnids (<i>Daphnia magna</i>) LC50</b></p> <ul style="list-style-type: none"> <li>Includes Calcium, Daphnia magna LC50, Magnesium, Total Hardness</li> </ul>
<p><b>Daphnids (<i>Daphnia magna</i>) Single Concentration</b></p> <ul style="list-style-type: none"> <li>Includes Calcium, Daphnia magna Single Concentration Survival, Magnesium, Total Hardness</li> </ul>
<p><b>Freshwater Algae (<i>Raphidocelis subcapitata</i>)</b></p> <ul style="list-style-type: none"> <li>Includes Raphidocelis subcapitata IC25, Growth; Raphidocelis subcapitata IC50, Growth</li> </ul>
<p><b>Duckweed (<i>Lemna minor</i>) IC25</b></p> <ul style="list-style-type: none"> <li>Includes Lemna minor IC25 Dry Weight, Lemna minor IC25 Frond Increase</li> </ul>
<p><b>Duckweed (<i>Lemna minor</i>) Single Concentration</b></p> <ul style="list-style-type: none"> <li>Includes Lemna minor Dry Weight, Lemna minor Frond Increase</li> </ul>
<p><b>Rainbow Trout (<i>Oncorhynchus mykiss</i>) LC50</b></p> <ul style="list-style-type: none"> <li>Includes Ammonia as Nitrogen, Rainbow Trout LC50</li> </ul>
<p><b>Rainbow Trout (<i>Oncorhynchus mykiss</i>) LC50 Concentration, pH Stabilization</b></p> <ul style="list-style-type: none"> <li>Includes Ammonia as Nitrogen, Calcium, Magnesium, Rainbow Trout LC50, pH stabilization; Total Chlorine, Total Hardness</li> </ul>
<p><b>Rainbow Trout (<i>Oncorhynchus mykiss</i>) Single Concentration</b></p> <ul style="list-style-type: none"> <li>Includes Ammonia as Nitrogen, Rainbow Trout Single Concentration Survival</li> </ul>
<p><b>Rainbow Trout (<i>Oncorhynchus mykiss</i>) Single Concentration, pH Stabilization</b></p> <ul style="list-style-type: none"> <li>Includes Ammonia as Nitrogen, Calcium, Magnesium, Rainbow Trout Single Concentration Survival, pH stabilization; Total Chlorine, Total Hardness</li> </ul>

In addition to offering standardized test services, our laboratory offers method development services using standard and site-specific indicator species. Contact the lab for information.

SRC Environmental Analytical Laboratories  
 143-111 Research Drive  
 Saskatoon, Sask. S7N 3R2  
 Phone: 306-933-6932 or toll-free 1-800-240-8808  
 Email: [analytical@src.sk.ca](mailto:analytical@src.sk.ca)