

ESM 1. Mean THg concentration (mg kg<sup>-1</sup>) in different tissues of *Prochilodus nigricans*, from different regions of the Peixoto de Azevedo River, southern Amazonia, Brazil-MT.

| Region/Tissue  | Muscle             | Skin               | Scale              | Liver              | Average           |
|----------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| <b>High</b>    | 0.082 aA<br>±0.027 | 0.186 aA<br>±0.063 | 0.193 aA<br>±0.204 | 0.513 aB<br>±0.419 | 0.235 a<br>±0.277 |
| <b>Middle</b>  | 0.128 aA<br>±0.049 | 0.112 aA<br>±0.047 | 0.370 aA<br>±0.754 | 3.281 bB<br>±0.419 | 0.972 b<br>±1.604 |
| <b>Low</b>     | 0.062 aA<br>±0.021 | 0.163 aB<br>±0.137 | 0.879 aB<br>±2.712 | 0.842 aC<br>±0.654 | 0.459 a<br>±1.449 |
| <b>Average</b> | 0.087 A<br>±0.043  | 0.153 B<br>±0.100  | 0.537 B<br>±1.803  | 1.581 C<br>±1.621  |                   |

Different lowercase letters show significant differences between the regions (High, Middle and Low) while different uppercase letters show a difference between the tissues, considering a probability of 5% by the Scott-Knott test.