

A CONTAMINANT ASSOCIATED WITH THE COVID-19 PANDEMIC: CHLORINE DIOXIDE AND ITS ENZYMIC AND CARDIAC EFFECTS ON *TRACHYCEPHALUS TYPHONIUS* TADPOLES.-

 TEST SUBSTANCE

- ✓ Chlorine dioxide (ClO_2)
- ✓ Concentrations
- ✓ 0.78, 1.56 and 3.12 mg $\text{ClO}_2 \text{ L}^{-1}$
- ✓ Control (CO, dechlorinated water)

 BIOASSAYS

- ✓ *Trachycephalus typhonius* larvae (Gosner Stage 28-32)
- ✓ Controlled lab conditions
- ✓ 24-48 h LC_{50} ; NOEC and LOEC exposure
- ✓ 24-96 h sublethal biomarkers

 SUB LETHAL BIOMARKERS

- ✓ Acetylcholinesterase (AChE) and Glutathione-S-transferase (GST)
- ✓ Swimming behavior (Total distance moved (cm), mean speed (cm seg^{-1}), and global activity (cm^2))
- ✓ Heart rate (beats min^{-1})

