## Accepted Manuscript

Title: Stage-dependent effects of chlorpyrifos on medaka (*Oryzias latipes*) swimming behavior using a miniaturized swim flume

Authors: Salvador Sastre, Carlos Fernández Torija, Irene Atiénzar Pertusa, Eulalia María Beltrán, María Victoria Pablos, Miguel González-Doncel



PII:	S0166-445X(18)30168-1
DOI:	https://doi.org/10.1016/j.aquatox.2018.04.008
Reference:	AQTOX 4916
To appear in:	Aquatic Toxicology
Received date:	24-2-2018
Revised date:	9-4-2018
Accepted date:	15-4-2018

Please cite this article as: Sastre, Salvador, Torija, Carlos Fernández, Pertusa, Irene Atiénzar, Beltrán, Eulalia María, Pablos, María Victoria, González-Doncel, Miguel, Stage-dependent effects of chlorpyrifos on medaka (Oryzias latipes) swimming behavior using a miniaturized swim flume. Aquatic Toxicology https://doi.org/10.1016/j.aquatox.2018.04.008

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## ACCEPTED MANUSCRIPT

## Stage-dependent effects of chlorpyrifos on medaka (*Oryzias latipes*) swimming behavior using a miniaturized swim flume

Salvador Sastre, Carlos Fernández Torija, Irene Atiénzar Pertusa, Eulalia María Beltrán, María Victoria Pablos, Miguel González-Doncel\*

Laboratory for Ecotoxicology, Department of the Environment, National Institute for

Agricultural and Food Research and Technology, A-6, Km. 7.5, E-28040 Madrid,

Spain.

\* Corresponding author:

M. González-Doncel

E-mail: miguelgd@inia.es

Running title: Effects of chlorpyrifos on medaka fish forced swimming activity.

List of abbreviations/acronyms: acetylcholinesterase (AChE); chlorpyrifos (CPF); day-old post-hatch (dph); dimethyl sulfoxide (DMSO); early life stages (ELS); gas chromatography-mass spectrometry (GC-MS); methanol (MeOH); methyl tert-butyl ether (MTBE); organophosphate (OP); time-weighted average concentration (TWAC); wet weight (w.w.) Download English Version:

## https://daneshyari.com/en/article/8883692

Download Persian Version:

https://daneshyari.com/article/8883692

Daneshyari.com