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Benthic periphyton from Pennsylvania, USA are a source for both hepatotoxins (microcystins/nodularin) and neurotoxins (anatoxin-a/homoanatoxin-a)

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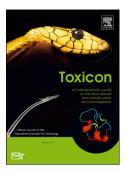
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1	ACCEPTED MANUSCRIPT
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4 5	Benthic Periphyton from Pennsylvania, USA are a source for both hepatotoxins (Microcystins/Nodularin) and neurotoxins (Anatoxin-a/Homoanatoxin-a)
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16	Abstract:
17	In 2016, the Pennsylvania Department of Environmental Protection conducted a limited survey
18	of streams in the Susquehanna River basin in Pennsylvania, USA, to screen for
19	microcystins/nodularins and anatoxin-a (ATX) and homoanatoxin-a (HTX). Testing revealed
20	the presence of HTX in samples collected from the Pine Creek basin, with ATX present at
21	lower levels. Microcystins/nodularins (MCs/NODs) were also tested and found to be
22	concomitant, with NOD-R confirmed present by LC-MS/MS.
23	
24 25 26	Keywords: anatoxin-a, homoanatoxin-a, microcystins, nodularin, benthic cyanobacteria, periphyton

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