

## ***Interactive comment on “Use of column experiments to investigate the fate of organic micropollutants – a review” by Stefan Banzhaf and Klaus H. Hebig***

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Received and published: 26 August 2016

We appreciate the comments provided by Referee #4 on our manuscript and provide a reply to the specific comments below.

Reply to specific comments:

Comment 1: Page 8, line 12 ... [...] can therefore induce zones with different oxygen concentrations, zones of nitrate-reduction, iron-reduction, sulfate-reduction ... a suggestion for reformulation: can therefore induce zones characterized by oxic conditions, nitrate-reduction, [...]

Reply: This was changed accordingly.

C1

Comment 2: Page 8, line 13: suggestion: This transient chemical zoning

Reply: This was changed accordingly.

Comment 3: Page 8, lines 17-24: The entire section 2.5. seems misplaced ... One could overcome this issue by renaming this sections (e.g. system specific parameters?) and adequately rewriting it.

Reply: We agree that the section title is not well chosen and changed it to: “Implications for predicting the transport behavior of organic micropollutants”.

Comment 4: Page 18. Line s21-32: as this section (3.2.3 Other organic compounds) seems beyond the scope of the paper (dealing with micropollutants), and the value added to the manuscript is rather low, the authors should consider to remove this section

Reply: We agree that this is a bit out of focus so we removed this section as suggested.

Comment 5: Page 19, line 11: [...] have been between → have been made between?

Reply: This was changed accordingly.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2016-196, 2016.

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