

Author's response

Answer to Anonymous Referee #1

Technical Note: Testing the effect of different pumping rates on pore-water sampling for ions, stable isotopes and gas concentrations in the hyporheic zone

We want to thank the reviewer for his positive assessment and helpful comment.

I have only one small comment: In the caption of figure S9, explain that μ is the mean and σ is the standard deviation (if that is the case). Moreover, as they refer to dispersivities, they have units (e.g., m), that should be mentioned.

Thank you for this thoughtful note. We have adjusted the caption of Fig. S9 accordingly:

“Monte Carlo analysis for thermal dispersivity. Three scenarios were tested for mean μ and standard deviation σ of the thermal dispersivity parameter β in m. Results were generated with $n=100$ runs for each scenario. Shading indicates 95% confidence intervals for each scenario. The results were calculated with the software package VFLUX and the Hatch amplitude method.”