

Interactive comment on “Multi-level qualification of Parafluvial Exchange within the Hyporheic Zone Affected by River Sinuosity and Seasonal Change using Multi-tracer Methods” by Amin reza Meghdadi and Morteza Eyvazi

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Thank you very much for reviewing our manuscript and providing useful comments. We agree that there is some problems with our manuscript, so in the revised version: (i)The standard method for the sampling and laboratory analysis will be introduced (ii)We will quantify the groundwater vertical flux rate using methods introduced by Arriaga and Leap (2006) implemented in the Microsoft Excel Solver which is an optimization modeling system that combines the functions of a graphical user interface (GUI), an algebraic modeling language, and optimizers for linear, nonlinear, and integer programs;

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and (iii) The quality of manuscript will be improved by further editing. Moreover, As described in manuscript (e.g. page 19 and line 17), the result of comparison between different applied methods have been performed in the study which indicates that they are in accordance with each other (especially in the representative points).

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