

## **Supporting Information**

### **High resolution monitoring above and below the groundwater table uncovers small – scale hydrochemical gradients**

Gassen, N.<sup>1</sup>; Griebler, C.<sup>1</sup>; Werban, U.<sup>2</sup>; Trauth, N.<sup>3</sup>, Stumpp, C.<sup>1,\*</sup>)

<sup>1</sup>Institute of Groundwater Ecology, Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Ingolstaedter Landstr. 1, 85764 Neuherberg, Germany

<sup>2</sup> Department Monitoring and Exploration Technologies, Helmholtz Center for Environmental Research – UFZ, Permoserstr. 15, 04318 Leipzig, Germany

<sup>3</sup> Department of Hydrogeology, Helmholtz Center for Environmental Research – UFZ, Permoserstr. 15, 04318 Leipzig, Germany

\*) Corresponding author: christine.stumpp@helmholtz-muenchen.de; tel. +49 89 31872084; fax: +49 89 31873361

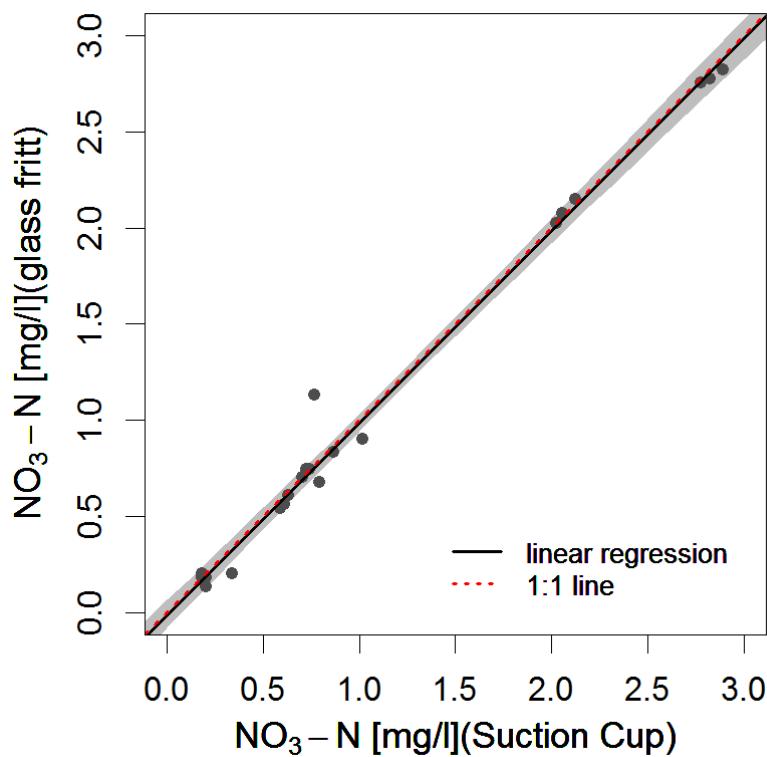


Figure S1: Comparison of  $\text{NO}_3\text{-N}$  values sampled at 1.2 m depth with suction cup (x-axis) and glass frits (y-axis). The linear model (intercept = -0.0095, slope=0.997) shows a good fit ( $R^2=0.988$ ). The grey shaded polygon represents the 0.95 confidence interval of the linear model.