Supplementary Material

H2 kinetic isotope fractionation superimposed by equilibrium isotope fractionation during hydrogenase activity of *D. vulgaris* strain Miyazaki

Michaela Löffler1, Steffen Kümmel1, Carsten Vogt1, \*, Hans-Hermann Richnow1

1Department Isotope Biogeochemistry, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany

**Supplementary Figure 1:** Scheme of the GC-IRMS system



**Supplementary Figure 2:** Concentration of H2 of the abiotic controls of both medium and water. Continuous sampling results in decreasing concentrations from 18 % to 10 % H2.