

Supplementary Figure 2: Relationship of dissolved oxygen (DO) concentrations (μ M) and pH measured simultaneously in October 2021 with a WiMo Plus multiparameter probe (*NKE Instrumentation*) by profiling in the water column of the continental shelf off the Gironde (13 profiles). The significance of the correlation was confirmed by a Spearman rank correlation (p<0.01, n=2351).