Table S1. Permutational multivariate analysis of variance (PERMANOVA) results for the identification of physicochemical variables correlated with the microbial community structure (*p*-value <0.05).

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|  | **Physicochemical variable** | **r2** |  |
|  | Depth (m) | 0.27 |  |
|  | TS (uM) | 0.27 |  |
|  | Redox potential (mV) | 0.27 |  |
|  | Clay (%) | 0.23 |  |
|  | Lime (%) | 0.2 |  |
|  |  |  |  |