Table S1 Composition of artificial synthetic culture wastewater

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| Component | Concentration (mg/L)  |
| KNO3 | 360 |
| NH4Cl | 21.2 |
| NaNO2 | 12.3 |
| K2HPO4 | 78 |
| KH2PO4 | 44 |
| MgSO4 ∙7H2O | 44 |
| KCl | 37 |
| Trace elements 0.2% (V/V)  |  |
| EDTA | 640 |
| FeSO4 ∙7H2O | 550 |
| ZnSO4 ∙7H2O | 230 |
| MnSO4 ∙H2O | 340 |
| CuSO4 ∙5H2O | 75 |
| Co(NO3 )2 ∙6H2O | 47 |
| (NH4)6 Mo7O24 ∙4H2O | 25 |