Table S1. Averaged compositions of secondary effluent (SE) entering two water reclamation plants differing in the biological support medium from the pretreatment system (TSS: total suspended solids, na: not available).

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| **Parameter** | **Unit** | **Schists bio-medium**  **Tarragona SE average composition [min-max] (n)** | **Sand bio-medium**  **Tarragona SE average composition [min-max] (n)** |
| pH | - | 7.5 [7.3-7.7] (22) | 7.5 [7.2-7.8] (20) |
| Temperature | ºC | 24 [19-28.5] (36) | 16.0 [12-18.0] (37) |
| Conductivity | µS / cm | 1846 [1344-2209] (22) | 2120 [1504-2393] (20) |
| TSS | mg / L | 29,4 [6-197] (22) | 14 [na] (22) |
| TOC | mg C / L | 17 [6.8-34] (21) | 13.8 [na-16.0] (22) |
| BOD5 | mg / L | 16 [3-45] (21) | 6.6 [na-8.0] (22) |
| NH4 | mg NH4 / L | 43.4 [25-61] (21) | 14.7 [na-32.0] (22) |
| Ortophosphates | mg P / L | 2.2 [0.5-23.4] (22) | 5.1 [0.5-33.9] (20) |