**Table S1.** Waste liquid digestate composition reported by the “Environmental Prospective” research group of the National University of Colombia - Palmira headquarters.

|  |  |
| --- | --- |
| **Parameter** | **Liquid digestate from acidogenic reactor (Effluent)** |
| VFAs g/L | 59.04 ± 0.9 |
| gVFAs/gSV | 0,53 ± 0.01 |
| COD VFA/L | 85.60 ± 3.32 |
| COD soluble/L | 94.90± 9.29 |
| VFAs/COD | 0.90 |
| Alkalinity g CaCO3 /L | 13.54 ± 0.6 |
| N-NH3 g/L | 12.63 ± 1.0 |
| ST % | 10.79 ± 0.78 |
| SV % (bs) | 78.11 ± 0.14 |
| Lipids % | 22.56 ± 0.47 |
| Acetic acid g/L | 24.49 ± 1.82 |
| Propionic acid g/L | 7.55 ± 0.47 |
| Isobutyric acid g/L | 9.36 ± 0.02 |
| Butyric acid g/L | 11.81 ± 0.02 |
| Isovaleric acid g/L | 4.37 ± 0.42 |
| Valeric acid g/L | 0.08 ± 0.01 |