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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table. Descriptive statistics of the physicochemical parameters of pig slurry. | | | | | | | | | | |
| Parameters | Weaners (W) | | | | | Finishers (F) | | | | |
| Mean | SD | Min | Max | Median | Mean | SD | Min | Max | Median |
| pH | 6.54 | 0.31 | 6.06 | 6.94 | 6.60 | 6.32 | 0.30 | 5.88 | 6.83 | 6.31 |
| EC (mS/cm) | 14.71 | 4.07 | 10.61 | 20.78 | 13.36 | 13.48 | 3.41 | 6.96 | 18.69 | 14.31 |
| TA (mg/L) | 6111.16 | 1309.44 | 4224.75 | 8178.18 | 5957.28 | 6149.27 | 1877.14 | 3081.35 | 9185.92 | 6149.79 |
| TS (g/L) | 13.04 | 3.19 | 8.79 | 18.62 | 13.30 | 18.02 | 10.71 | 9.34 | 38.66 | 11.83 |
| VS (g/L) | 7.60 | 2.15 | 5.13 | 10.76 | 7.54 | 12.85 | 9.84 | 4.54 | 31.11 | 7.01 |
| TP (mg/L) | 238.13 | 93.35 | 140.01 | 366.81 | 196.11 | 423.11 | 110.15 | 270.75 | 549.22 | 447.05 |
| SP (mg/L) | 85.64 | 43.78 | 23.37 | 178.18 | 85.84 | 122.01 | 57.81 | 47.78 | 239.07 | 117.65 |
| CODT (g/L) | 27.72 | 17.96 | 9.33 | 69.78 | 19.77 | 33.10 | 13.74 | 14.89 | 53.01 | 31.08 |
| CODS (g/L) | 18.87 | 8.01 | 7.20 | 36.11 | 17.93 | 20.48 | 8.20 | 9.45 | 33.03 | 20.78 |
| BOD5 (g/L) | 13.54 | 5.91 | 5.65 | 25.70 | 11.65 | 20.30 | 9.62 | 9.75 | 33.30 | 19.43 |
| TKN (%) | 0.22 | 0.08 | 0.14 | 0.34 | 0.22 | 0.24 | 0.08 | 0.12 | 0.35 | 0.25 |
| N-NH4+ (%) | 0.20 | 0.06 | 0.14 | 0.28 | 0.20 | 0.18 | 0.06 | 0.10 | 0.27 | 0.20 |
| SO42- (mg/L) | 384.98 | 185.61 | 123.16 | 652.11 | 392.37 | 364.96 | 133.40 | 137.21 | 546.93 | 386.63 |
| Quats (mg/L) | 75.00 | 6.61 | 67.50 | 80.00 | 77.50 | 49.17 | 15.07 | 35.00 | 65.00 | 47.50 |
| Ca (mg/L) | 263.20 | 64.81 | 203.00 | 368.00 | 236.00 | 266.60 | 65.62 | 190.00 | 349.00 | 250.00 |
| Cu (mg/L) | 1.86 | 0.36 | 1.37 | 2.20 | 2.00 | 1.90 | 0.94 | 1.00 | 3.20 | 1.70 |
| K (mg/L) | 1648.60 | 466.01 | 1079.00 | 2226.00 | 1608.00 | 1451.40 | 323.72 | 1190.00 | 1996.00 | 1299.00 |
| Zn (mg/L) | 1.26 | 0.18 | 1.10 | 1.50 | 1.20 | 2.10 | 1.33 | 1.00 | 4.00 | 1.40 |
| Na (mg/L) | 932.80 | 260.51 | 564.00 | 1184.00 | 968.00 | 809.20 | 151.12 | 608.00 | 1028.00 | 802.00 |
| Mg (mg/L) | 122.00 | 55.48 | 62.00 | 198.00 | 108.00 | 146.20 | 57.61 | 68.00 | 212.00 | 134.00 |
| Mn (mg/L) | 0.60 | 0.27 | 0.20 | 0.90 | 0.60 | 2.62 | 1.87 | 0.60 | 4.70 | 2.90 |
| SD: standard deviation; EC: electrical conductivity; TA: total alkalinity; TS: total solids; VS: volatile solids; TP: total phosphorus; SP: soluble phosphorus; CODT: total chemical oxygen demand; CODS: soluble chemical oxygen demand; BOD5: biochemical oxygen demand at 5 d; TKN: total Kjeldahl nitrogen. | | | | | | | | | | |