Table 1. Physico-chemical properties, cell counts and VLP counts of Organic Lake samples. ND data not determined, SRP soluble reactive phosphate, TOC total organic carbon, DOC dissolved organic carbon, TN total nitrogen, TDN total dissolved nitrogen, TP total phosphorus, TDP total dissolved phosphorus, TS total sulfur, TDS total dissolved sulfur and VLP virus like particles. One standard deviation shown for cell and VLP counts.

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| --- | --- | --- | --- | --- | --- |
|  | sample depths (m) | | | | |
|  | 1.7 | 4.2 | 5.7 | 6.5 | 6.7 |
| ammonia (mg l−1) | 0.108 | ND | 1.22 | 5.29 | 2.32 |
| nitrate (mg l−1) | <0.002 | ND | 0.003 | <0.002 | 0.008 |
| nitrite (mg l−1) | <0.002 | ND | <0.002 | 0.010 | 0.010 |
| SRP (mg l−1) | 0.08 | ND | 0.10 | 0.20 | 0.18 |
| TOC (mg l−1) | 88 | 87 | 110 | 170 | 130 |
| DOC (mg l−1) | 69 | ND | 97 | 150 | 120 |
| TN (mg l−1) | 7.70 | 7.50 | 11 | 24 | 13 |
| TDN (mg l−1) | 0.112 | ND | 1.225 | 5.302 | 2.338 |
| TP (mg l−1) | 1.5 | 1.4 | 3.0 | 7.6 | 3.7 |
| TDP (mg l−1) | 0.509 | ND | 0.805 | 4.5 | 2 |
| TS (mg l−1) | 1010 | 974 | 1020 | 1410 | 950 |
| TDS (mg l−1) | 996 | ND | 1250 | 1290 | 995 |
| particulate C:N:P  (molar ratios) | 49:7:1 | ND | 15:2:1 | 17:3:1 | 15:1:1 |
| dissolved C:N:P  (molar ratios) | 350:20:1 | ND | 311:26:1 | 86:10:1 | 155:13:1 |
| practical salinity | 165.6 | 165.9 | 171.8 | 178.1 | 186.4 |
| temperature (°C) | −13.0 | −13.5 | −13.3 | −12.4 | −12.1 |
| cells ml−1 | 1.0±0.4 × 106 | 1.2±0.3 × 106 | 1.8±0.5 × 106 | 2.3±0.8 × 106 | 1.1±0.4 × 106 |
| VLP ml−1 | 5.2±2.1 × 105 | 7.1±1.3 × 105 | 8.8 ±3.4 × 105 | 14.0±3.0 × 105 | 8.6±3.3 × 105 |