Table X. Physico-chemical properties, cell counts and VLP counts of Organic Lake samples

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 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 | NA | 15:2:1 | 17:3:1 | 15:1:1 |
| dissolved C:N:P  (molar ratios) | 350:20:1 | NA | 311:26:1 | 86:10:1 | 155:13:1 |
| cells ml−1 | 1.0±0.4 × 106 | 1.2±3.1 × 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 | 1.4±0.3 × 106 | 8.6±3.3 × 105 |
| DMS (µg l−1)a | 0.22 (1 m) | 0.58 (2 m) | 19.29 (3 m) | 97.65 (4 m) | 51.77 (5 m) |
| DMS (nM)b | 1.2 (1 m) |  | 4380 (5 m) |  |  |
| DMSP (nM)b | 0.7 (1 m) |  | 1120 (5 m) |  |  |
|  |  |  |  |  |  |

ND data not determined, NA not calculated, SRP soluble reactive phosphate, TOC total organic carbon, DOC dissolved organic carbon, TN total nitrogen, TDN total dissolved nitrogen, TS total sulfur, TDS total dissolved sulfur, VLP virus like particles, a Franzmann *et al*., 1987, b Gibson *et al.* 1991