**Table S1. Additional chemical concentrations in our study sites.**

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| --- | --- | --- | --- |
|  | Lake Mendota | Trout Bog Epilimnion | Trout Bog Hypolimnion |
| Chloride (ppm) | 44.51 (4.48) | 0.24 (0.08) | 0.29 (0.09) |
| Calcium (ppm) | 29.95 (4.93) | 1.29 (0.48) | 1.88 (0.37) |
| Magnesium (ppm) | 31.23 (2.46) | 0.37 (0.13) | 0.47 (0.07) |
| Sodium (ppm) | 20.52 (2.19) | 0.23 (0.09) | 0.27 (0.06) |
| Potassium (ppm) | 3.06 (0.28) | 0.59 (0.28) | 0.72 (0.20) |
| Iron (ppm) | 0.01 (0.01) | 0.29 (0.15) | 0.47 (0.10) |
| Manganese (ppm) | 0.01 (0.02) | 0.08 (0.08) | 0.10 (0.14) |