

Waterbody 1
data delivered by TZW, KOWUG*

*Bio-analysis - KOWUG labour (Kommunale Wasser- und Umweltanalytik GmbH)

| Year | 2003 | | | | | | | | | | | |
|--|------------|-----------------|-----------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Month | | | | | | | | | | | | |
| Sampling point | A | A | A | A | A | A | A | A | A | A | A | A |
| DO ₂ (mg l ⁻¹) | NP | NP | NP | NP | NP | NP | NP | 5.5 | 2.8 | 8.3 | NP | 10.9 |
| Temp (°C) | 3,8 | 5,4 | 6,0 | 7,0 | 7,0 | 7.2 | 10.3 | 11.6 | 13.4 | 14.5 | NP | 7.1 |
| pH | 7,6 | 7,51 | 7,56 | 7,77 | 7.3 | 7.4 | 7.2 | 7.1 | 7.1 | 7.9 | 7.8 | 7.3 |
| Conductivity (µS) | 377 | 377 | 372 | 373 | 376 | 376 | 377 | 419 | 424 | 412 | 484 | 416 |
| Cyanobacterial genera | <i>Pla</i> | <i>Pla, Aph</i> | <i>Pla, Aph</i> | <i>Pla, Aph</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> | <i>Pla</i> |
| Chlorophyll <i>a</i> (µg l ⁻¹) | 4.7 | 4.6 | 9.0 | 8,2 | 6.9 | 3.7 | 0.2 | 4.5 | 0.8 | 2.3 | 2.5 | 2.4 |
| Phaeophytin (µg l ⁻¹) | 1.5 | 2.4 | 8.2 | 4.1 | 3.7 | 2.7 | 1.5 | 3.3 | 2.3 | 2.1 | 1.5 | 2 |
| Microcystin sc [†] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Microcystin in [†] | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Microcystin ex [†] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Anatoxin-a sc [‡] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anatoxin-a in [‡] | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP |
| Anatoxin-a ex [‡] | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP |
| Cylindrospermopsin sc [‡] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cylindrospermopsin in [‡] | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP |
| Cylindrospermopsin ex [‡] | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP | NP |

NOTES

Sampling point: A, abstraction point for drinking water, S, surface water

Cyanobacterial genera: NO, not observed; OG, Other cyanobacterial genera present; *Mic*, *Microcystis*; *Ana*, *Anabaena*; *Aph*, *Aphanizomenon*; *Cyl*, *Cylindrospermopsis*; *Pla*, *Planktothrix*.

Toxins: sc, scum; in, intracellular toxin, filtered water sample; ex, extracellular toxin, filtered water sample; NA, not available; NP, not performed.

Toxin scale (extracellular and intracellular): 0, below minimum detection limit (<0.20µg l⁻¹); 1, 0.21-0.99 µg l⁻¹; 2, 1.00-5.00 µg l⁻¹; 3, 5.01-20.00 µg l⁻¹; 4, 20.01-100µg l⁻¹; 5, >100µg l⁻¹. Toxin scale (scum): 0, below minimum detection limit (<0.10µg g⁻¹); 1, 0.11-0.99 µg g⁻¹; 2, 1.00-10.00 µg g⁻¹; 3, 10.01-100.00 µg g⁻¹; 4, >100µg g⁻¹.

Where multiple methods for toxin analysis of an individual sample have been used, the highest observed concentration is recorded.

†, Microcystin-LR equivalents measured by high performance liquid chromatography (HPLC), protein phosphatase inhibition assay and/or microcystin ELISA.

‡, Anatoxin-a and cylindrospermopsin measured by HPLC.