

## Waterbody 1 data delivered by TZW, KOWUG\*

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

Year	2004											
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sampling point	A	A	A	A	A	A	A	A	A	A	A	A
DO <sub>2</sub> (mg l <sup>-1</sup> )	6.75	14.8	NP	12.2	10.3	7.9	5.1	NP	NP	NP	NP	10,5
Temp (°C)	3.6	3.1	5.7	6.4	7.5	8.5	10.3	12.3	15	11.7	8	5,7
pH	7.85	8.67	8.42	8.35	7.8	7.66	7.29	7.47	7.36	8.13	7,99	7,93
Conductivity (µS)	411	424	425	432	429	436	438	469	454	400	399	404
Cyanobacterial genera	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>	<i>Pla, Aph</i>
Chlorophyll <i>a</i> (µg l <sup>-1</sup> )	NA	25.9	25.2	9.7	2.4	1.6	5.6	3.9	0.4	5	7,6	1,7
Phaeophytin (µg l <sup>-1</sup> )	NA	6.9	5	3.2	2.6	<0.1	2.4	3.8	4.6	3.4	4,2	7,1
Microcystin sc <sup>†</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microcystin in <sup>†</sup>	0	0	0	1	1	1	1	1	0	1	1	1
Microcystin ex <sup>†</sup>	0	0	0	0	0	0	1	0	0	0	0	0
Anatoxin-a sc <sup>‡</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anatoxin-a in <sup>‡</sup>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Anatoxin-a ex <sup>‡</sup>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Cylindrospermopsin sc <sup>‡</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cylindrospermopsin in <sup>‡</sup>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Cylindrospermopsin ex <sup>‡</sup>	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 ( $<0.20\mu\text{g l}^{-1}$ ); 1,  $0.21-0.99\mu\text{g l}^{-1}$ ; 2,  $1.00-5.00\mu\text{g l}^{-1}$ ; 3,  $5.01-20.00\mu\text{g l}^{-1}$ ; 4,  $20.01-100\mu\text{g l}^{-1}$ ; 5,  $>100\mu\text{g l}^{-1}$ . Toxin scale (scum): 0, below minimum detection limit ( $<0.10\mu\text{g g}^{-1}$ ); 1,  $0.11-0.99\mu\text{g g}^{-1}$ ; 2,  $1.00-10.00\mu\text{g g}^{-1}$ ; 3,  $10.01-100.00\mu\text{g l}^{-1}$ ; 4,  $>100\mu\text{g g}^{-1}$ .

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

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

<sup>‡</sup>, Anatoxin-a and cylindrospermopsin measured by HPLC.

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Notes to accompany the information on the website

1. One water or scum sample was obtained on each sampling occasion from one site at the waterbody and may not be representative of the cyanobacterial/toxin population at the whole waterbody at the time of sampling.
2. The data are for information only and are not intended for risk assessment of the waterbodies described.
3. The data referring to a specific waterbody are owned by the respective TOXIC partner.
4. The EU project TOXIC only concerns the cyanobacterial toxins anatoxin-a, cylindrospermopsin and the microcystins. Other cyanobacterial toxins may be present in the waterbody at the time of sampling but are not investigated in this study.
5. The data are subject to supplementation at any time.