

## Wasseranalysen 2022

Periode 01.01.2022 bis 31.12.2022

|          | Einheit | Höchstwert | Pumpwerk Tharau | Pumpwerk Freudenuau | Pumpwerk Rossrüti | Reservoir Boxloo | Pumpwerk Wilen | Pumpwerk Grund | Bezug RVM-Süd |
|----------|---------|------------|-----------------|---------------------|-------------------|------------------|----------------|----------------|---------------|
| Herkunft |         |            | Grundwasser     | Quellwasser         | Grundwasser       | Quellwasser      | Gemischt       | Quellwasser    | Gemischt      |

### Eigenschaft

|                     |           |     |             |            |             |             |            |             |             |
|---------------------|-----------|-----|-------------|------------|-------------|-------------|------------|-------------|-------------|
| Wassertemperatur    | °C        | 20  | 9.3 - 15.7  | 7.9 - 13.0 | 11.8 - 15.8 | 9.4 - 16.5  | 7.9 - 15.8 | 8.9 - 19.7  | 9.1 - 16.0  |
| Färbung / Geruch    |           |     | farblos /   | farblos /  | farblos /   | farblos /   | farblos /  | farblos /   | farblos /   |
| Trübung             | TE/F      | 1.0 | < 0.1 - 0.2 | < 0.1      | < 0.1       | < 0.1       | < 0.1      | < 0.1 - 0.2 | —           |
| Leitfähigkeit       | µS/cm 20° |     | 693 - 788   | 704 - 738  | 778 - 787   | 699         | 624        | 784         | —           |
| Sauerstoffsättigung | %         |     | 65 - 92     | —          | —           | —           | —          | —           | —           |
| pH – Wert           | pH (20°)  | 9.2 | 7.1 - 7.4   | 7.33       | 7.1 - 7.3   | 7.1 - 7.2   | 7.25       | —           | 7.49 - 7.58 |
| Gesamthärte         | fH°       |     | 38.8 - 39.0 | 41.0       | 39.0 - 41.0 | 40.4 - 44.1 | 41.6       | 44.1        | 24.9 - 27.4 |

### Chemische Analysen

|           |      |     |             |         |           |           |         |     |             |
|-----------|------|-----|-------------|---------|-----------|-----------|---------|-----|-------------|
| Calcium   | mg/l |     | 112.5       | 118     | 120 - 123 | 113 - 129 | 125.9   | 134 | 75.0 - 81.1 |
| Magnesium | mg/l |     | 26.5        | 28      | 26        | 29 - 30   | 24.9    | 26  | 13.2 - 13.6 |
| Chlorid   | mg/l |     | 40 - 43     | 12      | 15        | 5.0 - 7.0 | 7.4     | 10  | 17.0 - 21.4 |
| Nitrat    | mg/l | 40  | 18.2 - 18.3 | 20      | 25 - 28   | 20 - 34   | 12      | 29  | 9.83 - 14.3 |
| Sulfat    | mg/l | 50  | 18 - 19     | 10      | 12 - 13   | 7 - 15    | 40      | 12  | 7.39 - 7.96 |
| Nitrit    | mg/l | 0.1 | < 0.005     | < 0.005 | < 0.005   | < 0.005   | < 0.005 | —   | —           |

### Pflanzenschutzmittel (PSM)

|                          |      |     |             |               |     |               |             |     |              |
|--------------------------|------|-----|-------------|---------------|-----|---------------|-------------|-----|--------------|
| Chlorothalonil-R417888   | ug/l | 0.1 | 0.0 - 0.02  | 0.0           | 0.0 | 0.0           | 0.0         | 0.0 | 0.0 - 0.02   |
| Chlorothalonil-SYN507900 | ug/l | 0.1 | 0.0         | 0.0           | 0.0 | 0.0           | 0.0         | 0.0 | 0.0 - 0.02   |
| Chlorothalonil-R471811   | ug/l | 0.1 | 0.0 - 0.049 | 0.055 - 0.072 | 0.0 | 0.032 - 0.063 | 0.0 - 0.031 | 0.0 | 0.024 - 0.04 |
| Glyphosat                | ug/l | 0.1 | nn          | nn            | —   | —             | —           | —   | —            |

### Bakteriologische Analysen

|                        |            |         |       |       |       |       |       |        |        |
|------------------------|------------|---------|-------|-------|-------|-------|-------|--------|--------|
| Aerobe mesophile Keime | KBE/1 ml   | bis 300 | 0 - 3 | 0 - 5 | 0 - 1 | 0 - 8 | 0-62  | 0 - 16 | 0 - 17 |
| Escherichia Coli       | KBE/100 ml | 0       | 0     | 0     | 0     | 0     | 0 - 1 | 0      | 0      |
| Enterokokken           | KBE/100 ml | 0       | 0     | 0     | 0     | 0     | 0     | 0      | 0      |