

| DATUM DER PROBENAHME | 11.02.1949 | 11.06.1951 | 09.01.1957 | 04.12.1957 | 15.09.1964 | 24.10.1979 | 23.01.1980 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |       |       |      |      |       |
|----------------------------------|-------|------|------|-------|-------|------|------|-------|
| Temperatur des Wassers           | °C    | 10.9 | 11.1 | 11.0  | 11.9  | 12.4 | 12.0 | 11.0  |
| Temperatur der Luft              | °C    |      | 20.5 | - 3.0 | 5.0   | 24.0 | 5.8  | - 4.3 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |       |       |      |      |       |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |       |       |      |      |       |
| Ergiebigkeit / Pumpmenge         | l/min | 3200 | 8960 |       | 15900 |      |      |       |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |  |   |  |   |   |   |
|---------------------------|--|--|---|--|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  |  | 8 |  | 3 | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |  |  | 3 |  | 0 |   |   |

Fäkalkeime

|                  |        |  |   |  |  |   |   |
|------------------|--------|--|---|--|--|---|---|
| Escherichia coli | 100 ml |  | 0 |  |  | 0 | 0 |
| Enterokokken     | 100 ml |  |   |  |  |   |   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |        |        |         |         |         |         |         |
|----------------------------------|------|--------|--------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  |        |        | 36.4    | 34.6    | 36.3    | 34.1    | 35.0    |
| Karbonathärte                    | °fH  | 32.5   | 32.5   | 32.0    | 30.8    | 31.3    | 28.8    | 29.1    |
| Resthärte                        | °fH  |        |        | 4.4     | 3.8     | 5.0     | 5.3     | 5.9     |
| Oxidierbarkeit                   | mg/l | 3.1    | 3.2    | 2.2     | 1.7     | 1.7     | 1.2     | 2.0     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |        |        |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02 | < 0.02 | 0.02    | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l |        | 0.005  | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 32.0   | 26.0   | 22.0    | 16.0    | 16.0    | 21.5    | 21.2    |
| Chlorid                          | mg/l | 11.9   | 13.8   | 10.6    | 9.6     | 13.6    | 21.0    | 25.0    |
| Phosphat (als P)                 | mg/l |        |        | 0.025   | 0.025   | 0.037   | 0.018   | 0.018   |
| Sulfat                           | mg/l |        |        |         |         |         |         |         |
| Eisen                            | mg/l | 0.01   | < 0.01 | < 0.02  | < 0.02  | < 0.02  | < 0.005 | 0.005   |
| Mangan                           | mg/l |        | < 0.01 |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 39.0   | 52.0   | 35.0    | 33.0    |         | 24.0    |         |
| Sauerstoff (gelöst)              | mg/l | 6.6    | 7.44   | 7.1     | 7.1     |         | 6.2     | 8.05    |
| Sauerstoffsättigung              | %    | 63.0   | 71.0   |         |         |         | 61.0    | 77.0    |
| pH-Wert                          |      | 7.05   | 7.1    | 7.15    | 7.2     |         | 7.41    | 7.32    |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 16.04.1980 | 28.07.1980 | 22.10.1980 | 28.01.1981 | 22.04.1981 | 29.07.1981 | 28.10.1981 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |       |       |      |      |
|----------------------------------|-------|------|------|------|-------|-------|------|------|
| Temperatur des Wassers           | °C    | 10.2 | 12.0 | 12.0 | 11.0  | 10.6  | 12.0 | 11.2 |
| Temperatur der Luft              | °C    | 6.0  | 18.0 | 2.0  | - 1.8 | - 0.6 | 14.4 | 3.6  |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |       |       |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |       |       |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |       |       |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |   |   |
|---------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 2 | 0 | 0 | 1 | 1 | 0 | 1 |
| PC-Agar (30 °C) am 3. Tag |  |   |   |   |   |   |   |   |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken     | 100 ml |   |   |   |   |   |   |   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |        |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|--------|
| Gesamthärte                      | °fH  | 34.0    | 33.4    | 35.2    | 36.2    | 36.4    | 34.8    | 34.8   |
| Karbonathärte                    | °fH  | 28.9    | 28.5    | 28.6    | 30.4    | 29.8    | 29.3    | 29.5   |
| Resthärte                        | °fH  | 5.1     | 4.9     | 6.6     | 5.8     | 6.6     | 5.5     | 5.3    |
| Oxidierbarkeit                   | mg/l | 1.2     | 2.4     | 0.8     | 2.0     | 5.2     | 2.4     | 2.8    |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |        |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | 0.052   | < 0.02 |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.007  |
| Nitrat                           | mg/l | 20.9    | 20.1    | 21.4    | 22.2    | 22.0    | 21.5    | 21.4   |
| Chlorid                          | mg/l | 21.0    | 18.8    | 21.3    | 20.0    | 25.0    | 24.0    | 21.1   |
| Phosphat (als P)                 | mg/l | 0.018   | 0.018   | 0.021   | 0.021   | 0.018   | 0.018   | 0.018  |
| Sulfat                           | mg/l |         |         |         |         |         |         |        |
| Eisen                            | mg/l | 0.01    | < 0.005 | 0.005   | 0.01    | 0.01    | 0.03    | 0.009  |
| Mangan                           | mg/l |         |         |         |         |         |         |        |
| Freie Kohlensäure                | mg/l |         |         | 19.4    |         |         |         | 21.6   |
| Sauerstoff (gelöst)              | mg/l | 7.65    | 7.2     | 6.6     | 7.6     | 7.7     | 6.75    | 6.55   |
| Sauerstoffsättigung              | %    | 72.0    | 70.0    | 65.0    | 73.0    | 73.0    | 66.0    | 63.0   |
| pH-Wert                          |      | 7.47    | 7.49    | 7.41    | 7.45    | 7.42    | 7.44    | 7.56   |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 27.01.1982 | 28.04.1982 | 28.07.1982 | 27.10.1982 | 26.01.1983 | 27.04.1983 | 27.07.1983 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.4 | 11.0 | 11.8 | 12.2 | 11.4 | 11.0 | 12.0 |
| Temperatur der Luft              | °C    | 2.0  | 9.0  | 14.0 | 10.1 | 4.2  | 7.5  | 16.8 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |   |  |
|---------------------------|--|---|---|---|---|---|---|--|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 0 | 0 | 0 | 0 | 0 |  |
| PC-Agar (30 °C) am 3. Tag |  |   |   |   |   |   |   |  |

Fäkalkeime

|                  |        |   |   |   |   |   |   |  |
|------------------|--------|---|---|---|---|---|---|--|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Enterokokken     | 100 ml |   |   |   |   |   |   |  |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 37.3    | 38.4    | 35.2    | 35.6    | 37.2    | 31.6    | 33.7    |
| Karbonathärte                    | °fH  | 30.5    | 31.8    | 29.8    | 29.5    | 30.2    | 30.4    | 28.8    |
| Resthärte                        | °fH  | 6.8     | 6.6     | 5.4     | 6.1     | 7.0     | 1.2     | 4.9     |
| Oxidierbarkeit                   | mg/l | 7.6     | 7.2     | 2.8     | 2.4     | 2.0     | 1.6     | 2.4     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 23.6    | 23.4    | 18.1    | 21.6    | 22.5    | 22.6    | 22.1    |
| Chlorid                          | mg/l | 26.0    | 27.0    | 24.0    | 25.0    | 23.5    | 26.0    | 26.0    |
| Phosphat (als P)                 | mg/l | 0.021   | 0.021   | 0.018   | 0.018   | 0.021   | 0.021   | 0.021   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | 0.005   | 0.005   | < 0.005 | 0.005   | < 0.005 | < 0.005 | 0.01    |
| Mangan                           | mg/l |         |         |         |         |         |         | 0.01    |
| Freie Kohlensäure                | mg/l |         |         |         | 18.8    |         |         |         |
| Sauerstoff (gelöst)              | mg/l | 7.15    | 10.5    | 5.3     | 7.05    | 7.3     | 7.95    | 6.95    |
| Sauerstoffsättigung              | %    | 69.0    | 100.0   | 52.0    | 69.0    | 70.0    | 76.0    | 68.0    |
| pH-Wert                          |      | 7.38    | 7.43    | 7.53    | 7.53    | 7.49    | 7.46    | 7.3     |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 03.10.1983 | 26.10.1983 | 25.04.1984 | 25.07.1984 | 24.10.1984 | 30.01.1985 | 24.04.1985 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 14.5 | 12.8 | 11.6 | 12.0 | 12.0 | 11.6 | 11.2 |
| Temperatur der Luft              | °C    | 14.8 | 3.4  | 6.6  | 16.0 | 10.0 | 1.0  | 6.0  |
| Leitfähigkeit (20°C)             | µS/cm |      |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |  |   |  |   |  |   |  |   |
|--------------------------|--|---|--|---|--|---|--|---|--|---|
| PC-Agar (20°C) am 3. Tag |  | 0 |  | 0 |  | 8 |  | 0 |  | 0 |
| PC-Agar (30°C) am 3. Tag |  |   |  |   |  |   |  |   |  |   |

Fäkalkeime

|                  |        |   |  |   |  |   |  |   |  |   |
|------------------|--------|---|--|---|--|---|--|---|--|---|
| Escherichia coli | 100 ml | 0 |  | 0 |  | 0 |  | 0 |  | 0 |
| Enterokokken     | 100 ml |   |  |   |  |   |  |   |  |   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 34.7    | 34.7    | 34.7    | 33.5    | 34.4    | 34.8    | 35.1    |
| Karbonathärte                    | °fH  | 29.1    | 29.6    | 29.7    | 29.7    | 28.7    | 29.7    | 29.2    |
| Resthärte                        | °fH  | 5.6     | 5.1     | 5.0     | 3.8     | 5.7     | 5.1     | 5.9     |
| Oxidierbarkeit                   | mg/l | 4.0     | 2.0     | 2.0     | 2.0     | 1.6     | 2.0     | 2.0     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 21.2    | 20.9    | 22.5    | 21.7    | 21.4    | 22.6    | 22.3    |
| Chlorid                          | mg/l | 25.0    | 22.0    | 26.0    | 25.0    | 24.0    | 24.0    | 25.5    |
| Phosphat (als P)                 | mg/l | 0.018   | 0.018   | 0.021   | 0.018   | 0.018   | 0.018   | 0.018   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | 0.005   | 0.01    | 0.015   | 0.01    | 0.01    | 0.005   | 0.01    |
| Mangan                           | mg/l | 0.01    |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 13.7    | 19.4    |         |         | 31.8    |         |         |
| Sauerstoff (gelöst)              | mg/l | 6.4     | 9.5     | 7.6     | 7.0     | 6.8     | 7.6     | 7.9     |
| Sauerstoffsättigung              | %    | 67.0    | 95.0    | 74.0    | 68.0    | 66.0    | 74.0    | 76.0    |
| pH-Wert                          |      | 7.45    | 7.49    | 7.44    | 7.55    | 7.45    | 7.5     | 7.37    |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 24.07.1985 | 28.10.1985 | 29.01.1986 | 05.05.1986 | 29.07.1986 | 01.09.1986 | 27.10.1986 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |       |      |      |      |      |
|----------------------------------|-------|------|------|-------|------|------|------|------|
| Temperatur des Wassers           | °C    | 13.4 | 12.4 | 11.8  | 11.4 | 11.6 | 12.0 | 12.0 |
| Temperatur der Luft              | °C    | 13.0 | 3.4  | - 3.6 | 10.2 | 15.0 | 5.2  | 5.0  |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |       |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |       |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |       |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |  |   |  |   |  |   |
|---------------------------|--|---|--|---|--|---|--|---|
| PC-Agar (20 °C) am 3. Tag |  | 2 |  | 0 |  | 0 |  | 0 |
| PC-Agar (30 °C) am 3. Tag |  |   |  |   |  |   |  |   |

Fäkalkeime

|                  |        |   |  |   |  |   |  |   |
|------------------|--------|---|--|---|--|---|--|---|
| Escherichia coli | 100 ml | 0 |  | 0 |  | 0 |  | 0 |
| Enterokokken     | 100 ml |   |  |   |  |   |  |   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 31.0    | 34.4    | 33.9    | 35.4    | 34.3    | 34.7    | 34.6    |
| Karbonathärte                    | °fH  | 28.9    | 28.5    | 29.9    | 27.4    | 28.8    | 28.3    | 28.7    |
| Resthärte                        | °fH  | 2.1     | 5.9     | 4.0     | 8.0     | 5.5     | 6.4     | 5.9     |
| Oxidierbarkeit                   | mg/l | 2.4     | 1.2     | 2.0     | 2.4     | 2.4     | 2.8     | 2.8     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 21.3    | 21.8    | 22.4    | 22.3    | 23.7    | 23.5    | 30.6    |
| Chlorid                          | mg/l | 24.0    | 27.0    | 28.0    |         | 24.0    | 27.0    | 27.0    |
| Phosphat (als P)                 | mg/l | 0.015   | 0.018   | 0.018   | 0.018   | 0.018   | 0.018   | 0.018   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.005 |         | < 0.005 | 0.005   | 0.02    | 0.03    | 0.035   |
| Mangan                           | mg/l |         |         |         |         | 0.01    |         |         |
| Freie Kohlensäure                | mg/l |         | 22.0    |         |         |         |         | 24.4    |
| Sauerstoff (gelöst)              | mg/l | 7.05    | 6.95    | 7.25    | 8.15    | 7.5     | 7.05    | 7.0     |
| Sauerstoffsättigung              | %    | 71.0    | 69.0    | 71.0    | 78.0    | 73.0    | 69.0    | 68.0    |
| pH-Wert                          |      | 7.42    | 7.5     | 7.3     | 7.42    | 7.4     | 7.4     | 7.43    |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 01.12.1986 | 28.01.1987 | 02.02.1987 | 02.03.1987 | 29.04.1987 | 04.05.1987 | 01.06.1987 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |       |      |       |      |      |      |      |
|----------------------------------|-------|-------|------|-------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.0  | 11.6 | 11.6  | 11.4 | 11.6 | 11.2 | 11.2 |
| Temperatur der Luft              | °C    | - 3.2 | 0.8  | - 8.6 | 7.6  | 5.0  | 2.0  | 10.8 |
| Leitfähigkeit (20 °C)            | µS/cm |       |      |       |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |       |      |       |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |       |      |       |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |  |   |  |   |  |   |
|---------------------------|--|---|--|---|--|---|--|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 |  | 0 |  | 0 |  | 1 |
| PC-Agar (30 °C) am 3. Tag |  |   |  |   |  |   |  |   |

Fäkalkeime

|                  |        |   |  |   |  |   |  |   |
|------------------|--------|---|--|---|--|---|--|---|
| Escherichia coli | 100 ml | 0 |  | 0 |  | 0 |  | 0 |
| Enterokokken     | 100 ml |   |  |   |  |   |  |   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 36.2    | 36.5    | 39.2    | 36.1    | 36.5    | 35.4    | 35.1    |
| Karbonathärte                    | °fH  | 28.9    | 29.4    | 32.4    | 29.3    | 30.1    | 30.2    | 29.5    |
| Resthärte                        | °fH  | 7.3     | 7.1     | 6.8     | 6.8     | 6.4     | 5.2     | 5.6     |
| Oxidierbarkeit                   | mg/l | 2.0     | 3.2     | 2.4     | 2.4     | 2.0     | 2.0     | 2.0     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 33.7    | 22.9    | 23.0    | 23.5    | 25.9    | 25.2    | 27.4    |
| Chlorid                          | mg/l | 26.0    | 27.0    | 27.0    | 28.0    | 26.0    | 25.0    | 25.0    |
| Phosphat (als P)                 | mg/l | 0.012   | 0.018   | 0.018   | 0.028   | 0.028   | 0.025   | 0.028   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | 0.01    | 0.02    | 0.004   | 0.015   | 0.015   | 0.015   | 0.025   |
| Mangan                           | mg/l |         |         |         |         |         |         | 0.01    |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l | 7.2     | 7.6     | 7.4     | 7.75    | 7.8     | 7.85    | 7.75    |
| Sauerstoffsättigung              | %    | 70.0    | 74.0    | 72.0    | 71.0    | 72.0    | 72.0    | 71.0    |
| pH-Wert                          |      | 7.42    | 7.46    | 7.41    | 7.43    | 7.35    | 7.31    | 7.41    |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 27.07.1987 | 03.08.1987 | 07.09.1987 | 26.10.1987 | 02.11.1987 | 07.12.1987 | 12.01.1988 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |       |
|----------------------------------|-------|------|------|------|------|------|------|-------|
| Temperatur des Wassers           | °C    | 11.2 | 11.6 | 12.0 | 12.2 | 12.0 | 11.8 | 11.6  |
| Temperatur der Luft              | °C    | 14.4 | 16.2 | 11.8 | 9.0  | 10.2 | 7.0  | - 0.6 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |      |      |       |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |       |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |       |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

PC-Agar (20 °C) am 3. Tag

PC-Agar (30 °C) am 3. Tag

Fäkalkeime

Escherichia coli 100 ml

Enterokokken 100 ml

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |        |         |         |         |         |        |         |
|----------------------------------|------|--------|---------|---------|---------|---------|--------|---------|
| Gesamthärte                      | °fH  | 36.8   | 34.5    | 35.1    | 34.5    | 35.5    | 35.4   | 37.4    |
| Karbonathärte                    | °fH  | 30.6   | 28.6    | 28.4    | 28.3    | 29.5    | 29.2   | 30.6    |
| Resthärte                        | °fH  | 6.2    | 5.9     | 6.7     | 6.2     | 6.0     | 6.2    | 6.8     |
| Oxidierbarkeit                   | mg/l | 4.4    | 1.6     | 4.0     | 2.8     | 1.6     | 2.0    | 2.0     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |        |         |         |         |         |        |         |
| Ammonium                         | mg/l | < 0.02 | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02 | < 0.02  |
| Nitrit                           | mg/l | 0.01   | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.007  | < 0.005 |
| Nitrat                           | mg/l | 23.4   | 22.0    | 23.7    |         | 23.2    | 24.2   | 24.3    |
| Chlorid                          | mg/l | 28.0   | 25.0    | 25.0    | 27.0    | 28.0    | 27.2   | 26.0    |
| Phosphat (als P)                 | mg/l | 0.018  | 0.018   | 0.015   | 0.018   | 0.015   | 0.018  | 0.055   |
| Sulfat                           | mg/l |        |         |         |         |         |        |         |
| Eisen                            | mg/l | 0.01   | 0.007   | 0.004   | 0.001   | < 0.001 | 0.017  | < 0.02  |
| Mangan                           | mg/l |        |         |         |         |         |        | < 0.02  |
| Freie Kohlensäure                | mg/l |        |         |         | 28.9    |         |        |         |
| Sauerstoff (gelöst)              | mg/l | 7.4    | 7.25    | 7.25    | 7.1     | 7.05    | 7.15   | 7.65    |
| Sauerstoffsättigung              | %    | 67.0   | 67.0    | 67.0    | 66.0    | 65.0    | 66.0   | 70.0    |
| pH-Wert                          |      | 7.39   | 7.39    | 7.36    | 7.33    | 7.38    | 7.67   | 7.54    |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |

| DATUM DER PROBENAHME | 02.05.1988 | 05.09.1988 | 22.02.1989 | 06.03.1989 | 21.08.1990 | 05.02.1991 | 05.08.1992 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |       |      |
|----------------------------------|-------|------|------|------|------|------|-------|------|
| Temperatur des Wassers           | °C    | 11.4 | 12.5 | 11.8 | 11.4 | 12.0 | 12.3  | 14.4 |
| Temperatur der Luft              | °C    | 10.0 | 15.0 | 5.0  | 6.2  | 18.0 | - 7.0 | 13.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      | 641  |      | 614  | 634   | 615  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |       |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      | 6000 |      | 6000 | 6000  | 6000 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |  |  |  |  |  |  |   |
|---------------------------|--|--|--|--|--|--|--|---|
| PC-Agar (20 °C) am 3. Tag |  |  |  |  |  |  |  | 0 |
| PC-Agar (30 °C) am 3. Tag |  |  |  |  |  |  |  | 0 |

Fäkalkeime

|                  |        |  |  |  |  |  |  |   |
|------------------|--------|--|--|--|--|--|--|---|
| Escherichia coli | 100 ml |  |  |  |  |  |  | 0 |
| Enterokokken     | 100 ml |  |  |  |  |  |  | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 37.7    | 34.3    | 36.3    | 37.5    | 34.5    | 35.8    | 34.6    |
| Karbonathärte                    | °fH  | 31.6    | 28.9    | 30.5    | 31.2    | 29.9    | 30.4    | 29.6    |
| Resthärte                        | °fH  | 6.1     | 5.4     | 5.8     | 6.3     | 4.6     | 5.4     | 5.0     |
| Oxidierbarkeit                   | mg/l | 2.0     |         | 1.6     |         | 1.4     | 1.3     | 1.1     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 23.6    | 25.2    | 26.6    |         | 21.7    | 23.0    | 24.0    |
| Chlorid                          | mg/l | 25.7    | 26.0    | 25.4    | 25.6    | 20.8    | 20.9    | 21.2    |
| Phosphat (als P)                 | mg/l | 0.052   |         | 0.049   | 0.046   | 0.061   | 0.052   | 0.043   |
| Sulfat                           | mg/l |         |         | 18.0    |         | 25.0    | 22.0    | 23.3    |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Freie Kohlensäure                | mg/l |         |         | 38.3    |         | 30.5    | 38.3    | 41.4    |
| Sauerstoff (gelöst)              | mg/l | 7.75    | 6.75    | 7.53    | 7.55    | 6.9     | 7.39    | 7.06    |
| Sauerstoffsättigung              | %    | 71.0    | 67.0    | 73.2    | 73.0    | 67.3    | 76.7    | 72.7    |
| pH-Wert                          |      | 7.48    | 7.49    | 7.15    | 7.35    | 7.1     | 7.2     | 7.05    |

**WEITERE METALLE**

|             |      |  |  |       |  |       |       |       |
|-------------|------|--|--|-------|--|-------|-------|-------|
| Strontium   | µg/l |  |  | 330   |  | 240   | 310   | 280   |
| Zink        | µg/l |  |  | 30    |  | 30    | 30    | 50    |
| Cadmium     | µg/l |  |  | < 0.2 |  | < 0.2 | < 0.2 | < 0.2 |
| Quecksilber | µg/l |  |  | < 0.2 |  | < 0.2 | < 0.2 | < 0.2 |
| Blei        | µg/l |  |  | < 2   |  | < 2   | < 2   | < 2   |

| DATUM DER PROBENAHME | 16.02.1993 | 17.08.1994 | 15.02.1995 | 14.08.1996 | 20.02.1997 | 19.08.1998 | 12.04.1999 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |       |      |      |      |      |      |      |
|----------------------------------|-------|-------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 9.7   | 15.2 | 12.4 | 11.8 | 12.1 | 12.5 | 12.1 |
| Temperatur der Luft              | °C    | - 1.0 | 16.0 | 2.0  | 15.0 | 7.0  | 18.0 | 1.5  |
| Leitfähigkeit (20 °C)            | µS/cm | 631   | 586  | 608  | 613  | 640  | 642  | 618  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |       |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 6000  | 4800 | 6000 | 6000 | 6000 | 6000 | 6000 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |    |   |      |   |   |
|---------------------------|--|---|---|----|---|------|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 0 | 3  | 0 | 2520 | 1 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 3 | 0 | 29 | 0 | 2280 | 5 | 0 |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |        |         |
|----------------------------------|------|---------|---------|---------|---------|---------|--------|---------|
| Gesamthärte                      | °fH  | 34.9    | 33.0    | 34.9    | 34.0    | 35.6    | 35.5   | 34.3    |
| Karbonathärte                    | °fH  | 29.5    | 28.5    | 29.6    | 30.4    | 30.5    | 31.5   | 30.0    |
| Resthärte                        | °fH  | 5.4     | 4.5     | 5.3     | 3.6     | 5.1     | 4.0    | 4.3     |
| Oxidierbarkeit                   | mg/l | 1.6     | 2.1     | 1.6     | 1.4     | 1.1     | 1.4    | 1.1     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |        |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.01 | < 0.01  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.005  | < 0.002 |
| Nitrat                           | mg/l | 24.8    | 23.0    | 22.6    | 22.1    | 23.1    | 21.5   | 20.0    |
| Chlorid                          | mg/l | 20.2    | 18.8    | 18.3    | 20.0    | 19.1    | 20.5   | 18.5    |
| Phosphat (als P)                 | mg/l | 0.055   | 0.043   | 0.046   | 0.055   | 0.05    | 0.046  | 0.049   |
| Sulfat                           | mg/l | 23.5    | 22.5    | 22.3    | 23.6    | 23.0    | 23.5   | 21.5    |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | 0.02    | < 0.01 | < 0.01  |
| Mangan                           | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.01 | < 0.01  |
| Freie Kohlensäure                | mg/l | 38.7    | 41.8    | 37.4    | 31.6    | 36.6    | 34.0   | 29.0    |
| Sauerstoff (gelöst)              | mg/l | 7.86    | 6.92    | 8.35    | 6.95    | 7.6     | 7.15   | 8.4     |
| Sauerstoffsättigung              | %    | 72.6    | 72.5    | 82.2    | 67.5    | 74.4    | 71.0   | 82.0    |
| pH-Wert                          |      | 7.2     | 7.25    | 7.15    | 7.1     | 7.18    | 7.09   | 7.25    |

**WEITERE METALLE**

|             |      |       |       |
|-------------|------|-------|-------|
| Strontium   | µg/l | 320   | 310   |
| Zink        | µg/l | 40    | 30    |
| Cadmium     | µg/l | < 0.2 | 0.4   |
| Quecksilber | µg/l | < 0.2 | < 0.2 |
| Blei        | µg/l | < 2   | < 2   |

| DATUM DER PROBENAHME | 25.10.2000 | 25.04.2001 | 18.11.2002 | 14.05.2003 | 12.10.2004 | 25.04.2005 | 10.10.2006 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.7 | 11.6 | 12.9 | 11.9 | 12.9 | 12.5 | 12.8 |
| Temperatur der Luft              | °C    | 9.0  | 8.0  | 4.0  | 6.0  | 8.0  | 8.0  | 7.0  |
| Leitfähigkeit (20°C)             | µS/cm | 614  | 628  | 600  | 642  | 625  | 636  | 654  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      | 1.1  | 1.0  | 1.1  |
| Ergiebigkeit / Pumpmenge         | l/min | 6000 |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 1 | 6 | 0 | 0 | 0 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |  | 4 | 5 | 1 | 0 | 0 | 0 | 0 |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 |   | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 34.0    | 34.4    | 32.5    | 35.5    | 35.3    | 35.8    | 36.2    |
| Karbonathärte                    | °fH  | 30.2    | 30.6    | 29.6    | 31.8    | 31.4    | 31.9    | 32.0    |
| Resthärte                        | °fH  | 3.8     | 3.8     | 2.9     | 3.7     | 3.9     | 3.9     | 4.2     |
| Oxidierbarkeit                   | mg/l | 0.8     | 1.6     | 1.3     | 1.1     | 1.4     |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         | 0.6     | 0.5     | 0.6     |
| Ammonium                         | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 17.0    | 18.5    | 15.0    | 17.5    | 16.5    | 16.5    | 18.0    |
| Chlorid                          | mg/l | 16.5    | 20.0    | 16.5    | 19.5    | 21.0    | 21.0    | 28.5    |
| Phosphat (als P)                 | mg/l | 0.039   | 0.044   | 0.041   | 0.044   | 0.04    | 0.043   | 0.042   |
| Sulfat                           | mg/l | 19.5    | 20.0    | 16.0    | 20.0    | 18.5    | 18.0    | 19.5    |
| Eisen                            | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Mangan                           | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Freie Kohlensäure                | mg/l | 29.0    | 31.0    | 30.0    | 33.0    | 33.0    | 33.0    | 36.0    |
| Sauerstoff (gelöst)              | mg/l | 7.0     | 7.85    | 7.55    | 7.6     | 7.35    | 7.55    | 7.35    |
| Sauerstoffsättigung              | %    | 70.0    | 76.0    | 75.0    | 74.0    | 73.0    | 75.0    | 73.0    |
| pH-Wert                          |      | 7.3     | 7.3     | 7.25    | 7.25    | 7.25    | 7.3     | 7.4     |

**WEITERE METALLE**

|             |      |  |  |  |  |       |  |  |
|-------------|------|--|--|--|--|-------|--|--|
| Strontium   | µg/l |  |  |  |  | 298   |  |  |
| Zink        | µg/l |  |  |  |  | 11    |  |  |
| Cadmium     | µg/l |  |  |  |  | < 0.2 |  |  |
| Quecksilber | µg/l |  |  |  |  | < 0.2 |  |  |
| Blei        | µg/l |  |  |  |  | < 1   |  |  |

| DATUM DER PROBENAHME | 24.04.2007 | 16.04.2009 | 25.10.2010 | 02.05.2011 | 19.11.2012 | 06.05.2013 | 13.10.2014 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.6 | 11.8 | 12.4 | 12.3 | 13.0 | 12.6 | 12.9 |
| Temperatur der Luft              | °C    | 9.0  | 9.0  | 5.0  |      |      |      |      |
| Leitfähigkeit (20°C)             | µS/cm | 653  | 567  | 649  | 656  | 662  | 694  | 643  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 1.1  | 1.3  | 1.1  | 1.1  | 1.2  | 1.1  | 1.2  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |    |   |   |   |    |   |
|--------------------------|--|---|----|---|---|---|----|---|
| PC-Agar (20°C) am 3. Tag |  | 0 | 45 | 0 | 0 |   |    |   |
| PC-Agar (30°C) am 3. Tag |  | 1 | 58 | 3 | 4 | 6 | 30 | 3 |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 36.6    | 35.8    | 35.8    | 37.1    | 36.3    | 37.5    | 34.7    |
| Karbonathärte                    | °fH  | 31.7    | 31.6    | 31.9    | 32.1    | 31.9    | 32.7    | 31.2    |
| Resthärte                        | °fH  | 4.9     | 4.2     | 3.9     | 5.0     | 4.4     | 4.8     | 3.5     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         | 0.6     | 0.7     | 0.7     | 0.6     | 0.7     | 0.7     |
| Ammonium                         | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 18.0    | 17.0    | 22.0    | 19.5    | 18.0    | 18.2    | 15.9    |
| Chlorid                          | mg/l | 29.0    | 29.5    | 35.5    | 33.5    | 35.0    | 39.4    | 35.3    |
| Phosphat (als P)                 | mg/l | 0.034   | 0.04    | 0.037   | 0.041   | 0.039   | 0.043   | 0.04    |
| Sulfat                           | mg/l | 19.0    | 17.25   | 22.5    | 20.0    | 18.0    | 20.5    | 16.7    |
| Eisen                            | mg/l | < 0.01  | 0.06    | < 0.01  | < 0.01  | < 0.01  | < 0.01  |         |
| Mangan                           | mg/l | < 0.01  | 0.13    | < 0.01  | < 0.01  | < 0.01  | < 0.01  |         |
| Freie Kohlensäure                | mg/l | 23.0    | 29.0    | 28.0    | 33.0    | 24.0    | 25.0    | 24.0    |
| Sauerstoff (gelöst)              | mg/l | 7.9     | 8.15    | 7.3     | 7.7     | 7.55    | 8.0     | 8.1     |
| Sauerstoffsättigung              | %    | 78.0    | 79.0    | 72.0    | 76.0    | 76.0    | 79.0    | 81.0    |
| pH-Wert                          |      | 7.5     | 7.3     | 7.3     | 7.35    | 7.4     | 7.4     | 7.45    |

**WEITERE METALLE**

|             |      |  |  |       |  |  |  |  |
|-------------|------|--|--|-------|--|--|--|--|
| Strontium   | µg/l |  |  | 345   |  |  |  |  |
| Zink        | µg/l |  |  | < 2   |  |  |  |  |
| Cadmium     | µg/l |  |  | < 0.2 |  |  |  |  |
| Quecksilber | µg/l |  |  | < 0.2 |  |  |  |  |
| Blei        | µg/l |  |  | < 1   |  |  |  |  |

| DATUM DER PROBENAHME | 22.04.2015 | 18.10.2016 | 25.04.2017 | 22.10.2018 | 13.06.2019 | 20.10.2020 | 07.04.2021 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.2 | 13.4 | 11.6 | 13.7 | 13.1 | 13.6 | 12.8 |
| Temperatur der Luft              | °C    |      |      |      |      |      |      |      |
| Leitfähigkeit (20°C)             | µS/cm | 617  | 638  | 704  | 648  | 641  | 652  | 641  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 1.3  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.3  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

PC-Agar (20°C) am 3. Tag

PC-Agar (30°C) am 3. Tag

Fäkalkeime

Escherichia coli

Enterokokken

100 ml

100 ml

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**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 33.4    | 34.1    | 33.9    | 34.5    | 33.7    | 33.9    | 33.4    |
| Karbonathärte                    | °H   | 30.2    | 30.7    | 30.7    | 30.7    | 30.6    | 30.5    | 30.1    |
| Resthärte                        | °H   | 3.2     | 3.4     | 3.2     | 3.8     | 3.1     | 3.4     | 3.3     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.6     | 0.3     | 0.4     | 0.5     | 0.5     | 0.9     | 0.9     |
| Ammonium                         | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 15.1    | 16.3    | 16.4    | 15.9    | 16.8    | 17.1    | 17.1    |
| Chlorid                          | mg/l | 32.2    | 35.0    | 34.6    | 37.6    | 35.3    | 37.5    | 35.6    |
| Phosphat (als P)                 | mg/l | 0.041   | 0.043   | 0.035   | 0.038   | 0.036   | 0.037   | 0.041   |
| Sulfat                           | mg/l | 15.0    | 16.5    | 16.2    | 16.7    | 15.9    | 17.7    | 16.2    |
| Eisen                            | mg/l |         |         |         |         |         |         |         |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 24.0    | 18.0    | 23.0    | 23.0    | 27.0    | 17.0    | 21.0    |
| Sauerstoff (gelöst)              | mg/l | 8.75    | 7.2     | 8.15    | 6.95    | 8.25    | 7.3     | 7.8     |
| Sauerstoffsättigung              | %    | 84.0    | 73.0    | 79.0    | 70.0    | 83.0    | 74.0    | 77.0    |
| pH-Wert                          |      | 7.4     | 7.4     | 7.9     | 7.35    | 7.6     | 7.5     | 7.4     |

**WEITERE METALLE**

|             |      |  |
|-------------|------|--|
| Strontium   | µg/l |  |
| Zink        | µg/l |  |
| Cadmium     | µg/l |  |
| Quecksilber | µg/l |  |
| Blei        | µg/l |  |