

| DATUM DER PROBENAHME | 14.06.1946 | 26.02.1957 | 10.08.1964 | 29.05.1968 | 24.03.1971 | 07.11.1972 | 01.10.1980 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |     |      |       |      |     |
|----------------------------------|-------|------|-----|-----|------|-------|------|-----|
| Temperatur des Wassers           | °C    | 9.7  | 9.7 | 9.6 | 10.0 | 9.8   | 10.0 | 9.6 |
| Temperatur der Luft              | °C    | 10.2 |     |     | 17.0 | - 2.0 |      |     |
| 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 | 3 | 1 | 0 |
| PC-Agar (30 °C) am 3. Tag |        |   |  | 0 | 3 | 0 | 0 |
| Fäkalkeime                |        |   |  |   |   |   |   |
| Escherichia coli          | 100 ml | 0 |  | 0 | 0 | 0 | 0 |
| Enterokokken              | 100 ml |   |  | 0 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |        |         |         |         |         |         |
|----------------------------------|------|--------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 28.5   | 31.6    | 31.6    | 30.8    | 33.8    | 31.4    |
| Karbonathärte                    | °H   | 27.5   | 26.8    | 29.0    | 28.5    | 30.5    | 28.8    |
| Resthärte                        | °H   |        | 1.7     | 2.6     | 3.1     | 2.8     | 2.6     |
| Oxidierbarkeit                   | mg/l | 1.4    | 1.4     | 1.1     | 1.6     | 1.0     | 1.1     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |        |         |         |         |         |         |
| Ammonium                         | mg/l | 0.012  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 10.0   | 7.0     | 10.0    | 16.0    | 14.0    | 12.3    |
| Chlorid                          | mg/l | 3.4    | 2.8     | 3.0     | 3.3     | 3.4     | 3.3     |
| Phosphat (als P)                 | mg/l |        | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 |
| Sulfat                           | mg/l |        |         |         |         |         |         |
| Eisen                            | mg/l | < 0.01 | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.05 |         |         |         | < 0.05  | < 0.05  |
| Freie Kohlensäure                | mg/l | 37.5   |         | 34.0    |         | 42.0    | 56.5    |
| Sauerstoff (gelöst)              | mg/l | 8.6    |         | 10.7    |         | 8.8     | 10.2    |
| Sauerstoffsättigung              | %    |        |         | 102.0   |         | 86.0    | 95.5    |
| pH-Wert                          |      |        | 7.15    | 7.0     |         | 7.05    | 7.1     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 23.07.1981 | 12.05.1982 | 27.07.1982 | 20.04.1983 | 15.03.1984 | 30.09.1985 | 12.06.1986 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 9.6  | 9.0  | 9.5  | 9.6  | 9.9  | 10.0 | 10.0 |
| Temperatur der Luft              | °C    |      |      | 13.0 | 9.0  | 4.0  | 14.0 | 8.0  |
| Leitfähigkeit (20°C)             | µS/cm |      |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1400 | 1400 | 1400 | 1500 | 1500 | 1500 | 1500 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 2 | 1 | 1 | 0 | 2 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |  | 1 | 2 | 0 | 0 | 4 | 0 | 2 |

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  | 34.3    | 31.0    | 31.7 | 33.9    | 36.6    | 34.5    | 35.6    |
| Karbonathärte                    | °fH  | 31.3    | 28.3    | 28.6 | 29.4    | 30.8    | 29.5    | 30.4    |
| Resthärte                        | °fH  | 3.0     | 2.7     | 3.1  | 4.5     | 5.8     | 5.0     | 5.2     |
| Oxidierbarkeit                   | mg/l | 1.3     | 1.1     | 1.1  | 1.0     | 1.0     | 1.0     | 1.1     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |      |         |         |         |         |
| Ammonium                         | mg/l | < 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 | 15.8    | 10.6    |      | 11.4    | 17.6    | 18.0    | 23.0    |
| Chlorid                          | mg/l | 9.2     | 3.0     |      | 10.3    | 20.3    | 14.5    | 18.8    |
| Phosphat (als P)                 | mg/l | 0.006   | < 0.006 |      | < 0.006 | < 0.006 | < 0.006 | < 0.006 |
| Sulfat                           | mg/l |         |         |      |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  |      | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.05  | < 0.05  |      | < 0.05  | < 0.05  | < 0.05  | < 0.02  |
| Freie Kohlensäure                | mg/l | 45.0    | 37.0    |      | 57.7    | 50.6    | 47.7    | 46.9    |
| Sauerstoff (gelöst)              | mg/l | 7.43    | 11.21   |      | 9.2     | 8.1     | 9.1     | 8.11    |
| Sauerstoffsättigung              | %    | 70.0    | 103.0   |      | 85.7    | 76.3    | 85.8    | 76.7    |
| pH-Wert                          |      | 7.1     | 7.1     |      | 7.0     | 7.05    | 7.0     | 7.0     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 20.08.1987 | 19.07.1988 | 19.04.1989 | 14.08.1990 | 23.10.1990 | 19.02.1991 | 05.08.1992 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |       |      |
|----------------------------------|-------|------|------|------|------|------|-------|------|
| Temperatur des Wassers           | °C    | 9.6  | 9.8  | 9.4  | 10.4 | 10.0 | 10.1  | 10.6 |
| Temperatur der Luft              | °C    | 19.0 | 16.0 | 6.0  | 18.0 | 3.0  | - 2.0 | 18.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      | 608  |      | 654  | 630   | 659  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |       |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1400 | 1600 | 1500 | 1500 | 1500 | 1500  | 1500 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |        |   |   |   |   |  |   |   |
|---------------------------|--------|---|---|---|---|--|---|---|
| PC-Agar (20 °C) am 3. Tag |        | 0 | 0 | 2 | 0 |  | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |        | 1 | 0 | 0 | 0 |  | 0 | 0 |
| Fäkalkeime                |        |   |   |   |   |  |   |   |
| Escherichia coli          | 100 ml | 0 | 0 | 0 | 0 |  | 0 | 0 |
| Enterokokken              | 100 ml | 0 | 0 | 0 | 0 |  | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 34.2    | 33.8    | 36.1    | 37.2    | 37.6    | 36.7    | 38.1    |
| Karbonathärte                    | °fH  | 29.7    | 29.8    | 31.1    | 32.3    | 32.9    | 32.2    | 33.4    |
| Resthärte                        | °fH  | 4.5     | 4.0     | 5.0     | 4.9     | 4.7     | 4.5     | 4.7     |
| Oxidierbarkeit                   | mg/l | 1.3     | 0.6     | 0.6     | 1.0     | 0.8     | 1.0     | 0.6     |
| 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 | 20.8    | 17.7    | 15.9    | 20.4    | 22.2    | 20.4    | 26.6    |
| Chlorid                          | mg/l | 12.6    | 10.6    | 18.4    | 23.5    | 22.5    | 18.0    | 20.6    |
| Phosphat (als P)                 | mg/l | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 |
| Sulfat                           | mg/l |         |         | 11.0    |         | 14.0    | 9.0     | 13.4    |
| 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 | 27.7    | 43.6    | 52.5    | 65.5    | 63.4    | 58.8    | 66.3    |
| Sauerstoff (gelöst)              | mg/l | 9.85    | 9.65    | 7.91    | 7.74    | 7.25    | 7.74    | 7.56    |
| Sauerstoffsättigung              | %    | 92.3    | 90.9    | 73.8    | 74.0    | 68.5    | 73.4    | 72.5    |
| pH-Wert                          |      | 7.0     | 7.0     | 7.0     | 6.9     | 6.9     | 6.95    | 6.9     |

**WEITERE METALLE**

|             |      |  |  |       |  |       |       |       |
|-------------|------|--|--|-------|--|-------|-------|-------|
| Strontium   | µg/l |  |  | 300   |  | 300   | 320   | 310   |
| Zink        | µg/l |  |  |       |  | 50    | 170   | 170   |
| Cadmium     | µg/l |  |  | < 0.1 |  | < 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 | 23.08.1994 | 08.02.1995 | 13.08.1996 | 11.02.1997 | 01.09.1998 | 11.03.1999 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |       |      |      |      |      |      |      |
|----------------------------------|-------|-------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 10.4  | 10.2 | 10.0 | 10.4 | 10.4 | 10.8 | 10.6 |
| Temperatur der Luft              | °C    | - 1.0 | 20.0 | 6.0  | 14.0 |      | 13.0 | 6.0  |
| Leitfähigkeit (20 °C)            | µS/cm | 647   | 584  | 650  | 650  | 644  | 652  | 666  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |       |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1500  | 1500 |      | 1500 | 1500 | 1200 | 1500 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

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

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  | 37.7    | 34.7    | 37.5    | 36.9    | 37.0    | 37.8    | 38.3    |
| Karbonathärte                    | °fH  | 33.1    | 31.5    | 33.0    | 33.4    | 32.3    | 34.2    | 34.5    |
| Resthärte                        | °fH  | 4.6     | 3.2     | 4.5     | 3.5     | 4.7     | 3.6     | 3.8     |
| Oxidierbarkeit                   | mg/l | 0.8     | 1.1     | 0.8     | 0.6     | 1.3     | 0.8     | 0.6     |
| 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 | 0.009   | < 0.002 |
| Nitrat                           | mg/l | 23.8    | 19.8    | 19.3    | 20.8    | 20.0    | 21.5    | 21.0    |
| Chlorid                          | mg/l | 16.6    | 10.9    | 18.6    | 22.9    | 17.1    | 13.5    | 13.5    |
| Phosphat (als P)                 | mg/l | < 0.006 | < 0.006 | < 0.006 | < 0.005 | < 0.005 | < 0.002 | < 0.002 |
| Sulfat                           | mg/l | 12.8    | 14.5    | 14.1    | 15.4    | 14.2    | 13.0    | 14.0    |
| 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 | 61.0    | 56.6    | 68.0    | 55.3    | 58.3    | 55.0    | 56.0    |
| Sauerstoff (gelöst)              | mg/l | 7.59    | 8.89    | 8.22    | 7.47    | 7.61    | 7.3     | 7.3     |
| Sauerstoffsättigung              | %    | 72.4    | 84.5    | 77.8    | 71.4    | 72.7    | 70.0    | 70.0    |
| pH-Wert                          |      | 7.0     | 7.05    | 7.0     | 7.0     | 7.1     | 7.05    | 7.05    |

**WEITERE METALLE**

|             |      |       |       |  |  |  |  |  |
|-------------|------|-------|-------|--|--|--|--|--|
| Strontium   | µg/l | 330   | 290   |  |  |  |  |  |
| Zink        | µg/l | 180   | 160   |  |  |  |  |  |
| Cadmium     | µg/l | < 0.2 | < 0.2 |  |  |  |  |  |
| Quecksilber | µg/l | < 0.2 | < 0.2 |  |  |  |  |  |
| Blei        | µg/l | 2     | < 2   |  |  |  |  |  |

| DATUM DER PROBENAHME | 20.09.2000 | 08.03.2001 | 19.09.2002 | 25.03.2003 | 28.09.2004 | 09.03.2005 | 11.10.2006 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |     |      |      |      |
|----------------------------------|-------|------|------|------|-----|------|------|------|
| Temperatur des Wassers           | °C    | 10.4 | 10.0 | 10.1 | 9.8 | 10.2 | 10.3 | 10.2 |
| Temperatur der Luft              | °C    | 15.0 | 5.0  | 14.0 | 7.0 | 11.0 | 1.0  | 8.0  |
| Leitfähigkeit (20°C)             | µS/cm | 571  | 564  | 618  | 557 | 637  | 645  | 620  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |     | 0.6  | 0.6  | 0.5  |
| Ergiebigkeit / Pumpmenge         | l/min | 1500 |      |      |     |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 2 | 1 | 0 | 1 | 0 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |  | 1 | 0 | 1 | 0 | 0 | 1 | 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  | 33.2    | 33.5    | 35.3    | 32.6    | 37.1    | 37.9    | 36.0    |
| Karbonathärte                    | °fH  | 30.7    | 30.8    | 31.5    | 30.1    | 33.4    | 34.6    | 32.9    |
| Resthärte                        | °fH  | 2.5     | 2.7     | 3.8     | 2.5     | 3.7     | 3.3     | 3.1     |
| Oxidierbarkeit                   | mg/l | 0.8     | 0.6     | 0.8     | 1.0     | 0.6     |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         | 0.4     | 0.5     | 0.4     |
| 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 | 14.0    | 13.0    | 13.5    | 12.0    | 14.5    | 18.5    | 20.0    |
| Chlorid                          | mg/l | 6.0     | 6.5     | 12.5    | 4.5     | 13.5    | 13.5    | 15.5    |
| Phosphat (als P)                 | mg/l | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | 0.002   |
| Sulfat                           | mg/l | 12.5    | 12.5    | 11.5    | 11.5    | 9.5     | 10.5    | 10.5    |
| 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  | 0.02    |
| Freie Kohlensäure                | mg/l | 43.0    | 40.0    | 33.0    | 35.0    | 48.0    | 45.0    | 45.0    |
| Sauerstoff (gelöst)              | mg/l | 9.8     | 10.05   | 8.7     | 9.9     | 8.1     | 7.2     | 8.5     |
| Sauerstoffsättigung              | %    | 97.0    | 95.0    | 83.0    | 93.0    | 77.0    | 69.0    | 81.0    |
| pH-Wert                          |      | 7.0     | 7.15    | 7.1     | 7.1     | 7.1     | 7.15    | 7.2     |

**WEITERE METALLE**

|             |      |  |  |  |  |       |  |  |
|-------------|------|--|--|--|--|-------|--|--|
| Strontium   | µg/l |  |  |  |  | 289   |  |  |
| Zink        | µg/l |  |  |  |  | 245   |  |  |
| Cadmium     | µg/l |  |  |  |  | < 0.2 |  |  |
| Quecksilber | µg/l |  |  |  |  | < 0.2 |  |  |
| Blei        | µg/l |  |  |  |  | 1     |  |  |

| DATUM DER PROBENAHME | 05.03.2007 | 08.09.2008 | 03.03.2009 | 16.09.2010 | 21.03.2011 | 26.09.2012 | 20.03.2013 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |      |     |
|----------------------------------|-------|------|------|------|------|-----|------|-----|
| Temperatur des Wassers           | °C    | 10.1 | 10.8 | 10.5 | 9.8  | 9.9 | 10.2 | 9.9 |
| Temperatur der Luft              | °C    | 7.0  | 16.0 |      | 13.0 |     |      |     |
| Leitfähigkeit (20°C)             | µS/cm | 683  | 657  | 663  | 613  | 582 | 659  | 580 |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 0.6  | 0.5  | 0.6  | 0.5  | 0.5 | 0.5  | 0.4 |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |     |      |     |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

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

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  | 39.4    | 38.2    | 38.5    | 36.9    | 35.7    | 37.5    | 34.8    |
| Karbonathärte                    | °fH  | 33.5    | 33.9    | 34.6    | 33.9    | 33.2    | 33.9    | 32.8    |
| Resthärte                        | °fH  | 5.9     | 4.3     | 3.9     | 3.0     | 2.5     | 3.6     | 2.0     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.5     | 0.3     | 0.4     | 0.4     | 0.4     | 0.4     | 0.4     |
| 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 | 22.0    | 20.0    | 22.0    | 15.5    | 18.5    | 17.5    | 14.3    |
| Chlorid                          | mg/l | 31.0    | 22.0    | 22.0    | 12.5    | 7.5     | 24.5    | 5.9     |
| Phosphat (als P)                 | mg/l | 0.003   | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Sulfat                           | mg/l | 10.0    | 9.5     | 9.5     | 12.0    | 12.0    | 11.0    | 11.1    |
| 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 | 53.0    | 43.0    | 46.0    | 41.0    | 37.0    | 38.0    | 28.0    |
| Sauerstoff (gelöst)              | mg/l | 7.8     | 8.1     | 7.6     | 8.6     | 9.15    | 7.95    | 9.45    |
| Sauerstoffsättigung              | %    | 74.0    | 78.0    | 73.0    | 81.0    | 87.0    | 76.0    | 89.0    |
| pH-Wert                          |      | 7.2     | 7.2     | 7.1     | 7.2     | 7.25    | 7.35    | 7.35    |

**WEITERE METALLE**

|             |      |       |
|-------------|------|-------|
| Strontium   | µg/l | 264   |
| Zink        | µg/l | 6     |
| Cadmium     | µg/l | < 0.2 |
| Quecksilber | µg/l | < 0.2 |
| Blei        | µg/l | 1     |

| DATUM DER PROBENAHME | 01.09.2014 | 18.03.2015 | 13.09.2016 | 29.03.2017 | 11.09.2018 | 04.03.2019 | 07.09.2020 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 10.2 | 10.0 | 10.3 | 10.3 | 10.6 | 10.4 | 10.7 |
| Temperatur der Luft              | °C    |      |      |      |      |      |      |      |
| Leitfähigkeit (20 °C)            | µS/cm | 626  | 600  | 592  | 708  | 677  | 715  | 690  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 0.5  | 0.5  | 0.5  | 0.5  | 0.6  | 0.6  | 0.6  |
| 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 |        | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Fäkalkeime                |        |   |   |   |   |   |   |   |
| Escherichia coli          | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken              | 100 ml | 0 | 0 | 0 | 4 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 36.0    | 35.9    | 35.3    | 37.4    | 38.3    | 39.6    | 38.5    |
| Karbonathärte                    | °H   | 32.5    | 33.5    | 33.5    | 34.2    | 34.9    | 35.9    | 35.4    |
| Resthärte                        | °H   | 3.5     | 2.4     | 1.8     | 3.2     | 3.4     | 3.7     | 3.1     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.4     | 0.3     | < 0.3   | < 0.3   | < 0.3   | < 0.3   | 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 | 13.9    | 12.8    | 11.6    | 13.2    | 20.0    | 20.5    | 20.6    |
| Chlorid                          | mg/l | 18.2    | 12.4    | 9.1     | 21.7    | 26.8    | 34.6    | 26.7    |
| Phosphat (als P)                 | mg/l | 0.003   | < 0.002 | < 0.002 | < 0.002 | < 0.002 | 0.001   | 0.005   |
| Sulfat                           | mg/l | 10.9    | 10.1    | 10.0    | 10.0    | 9.8     | 9.7     | 10.6    |
| Eisen                            | mg/l |         |         |         |         |         |         |         |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 36.0    | 34.0    | 28.0    | 39.0    | 50.0    | 40.0    | 57.0    |
| Sauerstoff (gelöst)              | mg/l | 9.5     | 9.0     | 9.4     | 7.7     | 7.2     | 7.15    | 8.1     |
| Sauerstoffsättigung              | %    | 90.0    | 85.0    | 90.0    | 73.0    | 69.0    | 68.0    | 77.0    |
| pH-Wert                          |      | 7.3     | 7.3     | 7.3     | 7.4     | 7.6     | 7.4     | 7.1     |

**WEITERE METALLE**

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

DATUM DER PROBENAHME 01.03.2021

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |
|----------------------------------|-------|------|
| Temperatur des Wassers           | °C    | 10.5 |
| Temperatur der Luft              | °C    |      |
| Leitfähigkeit (20 °C)            | µS/cm | 668  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 0.6  |
| 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 | 0 |
| Enterokokken     | 100 ml | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |
|----------------------------------|------|---------|
| Gesamthärte                      | °H   | 37.5    |
| Karbonathärte                    | °H   | 35.0    |
| Resthärte                        | °H   | 2.5     |
| Oxidierbarkeit                   | mg/l |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.7     |
| Ammonium                         | mg/l | < 0.01  |
| Nitrit                           | mg/l | < 0.002 |
| Nitrat                           | mg/l | 19.5    |
| Chlorid                          | mg/l | 20.7    |
| Phosphat (als P)                 | mg/l | 0.006   |
| Sulfat                           | mg/l | 10.4    |
| Eisen                            | mg/l |         |
| Mangan                           | mg/l |         |
| Freie Kohlensäure                | mg/l | 42.0    |
| Sauerstoff (gelöst)              | mg/l | 9.0     |
| Sauerstoffsättigung              | %    | 86.0    |
| pH-Wert                          |      | 7.1     |

**WEITERE METALLE**

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