

| DATUM DER PROBENAHME | 24.05.1948 | 06.12.1948 | 11.12.1948 | 14.02.1949 | 23.05.1949 | 11.03.1964 | 23.07.1964 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |       |      |      |      |
|----------------------------------|-------|------|------|------|-------|------|------|------|
| Temperatur des Wassers           | °C    | 10.6 | 10.8 | 10.9 | 7.8   | 10.0 | 10.9 | 10.8 |
| Temperatur der Luft              | °C    | 22.0 | 4.0  | 4.0  | - 3.0 | 22.0 |      | 20.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |       |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |       |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 504  | 800  | 800  |       | 1100 |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

PC-Agar (20 °C) am 3. Tag

PC-Agar (30 °C) am 3. Tag

23

Fäkalkeime

Escherichia coli 100 ml

Enterokokken 100 ml

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |        |      |       |      |        |         |         |
|----------------------------------|------|--------|------|-------|------|--------|---------|---------|
| Gesamthärte                      | °fH  |        |      |       |      |        | 35.4    | 36.0    |
| Karbonathärte                    | °fH  | 28.5   | 31.0 | 31.0  | 26.5 | 32.0   | 33.3    | 33.0    |
| Resthärte                        | °fH  |        |      |       |      |        | 2.1     | 3.0     |
| Oxidierbarkeit                   | mg/l | 2.6    | 2.8  | 2.6   |      | 3.0    | 1.1     | 2.4     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |        |      |       |      |        |         |         |
| Ammonium                         | mg/l | 0.05   | 0.02 | 0.015 |      | < 0.02 | < 0.02  | < 0.02  |
| Nitrit                           | mg/l |        |      |       |      |        | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 7.0    | 9.0  | 4.0   |      | 6.0    | 5.0     | 7.5     |
| Chlorid                          | mg/l | 5.9    | 5.6  | 5.8   |      | 6.4    | 6.6     | 8.1     |
| Phosphat (als P)                 | mg/l | 0.015  |      |       |      |        | 0.025   | 0.009   |
| Sulfat                           | mg/l |        |      |       |      |        |         |         |
| Eisen                            | mg/l | 0.05   | 0.02 | 0.03  | 0.4  | 0.01   | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.05 | 0.03 | 0.01  | 0.02 | < 0.01 |         |         |
| Freie Kohlensäure                | mg/l | 25.0   | 42.0 | 40.0  | 17.0 |        | 43.0    | 45.5    |
| Sauerstoff (gelöst)              | mg/l | 2.68   | 2.7  | 2.8   | 6.34 | 2.52   | 1.6     | 2.2     |
| Sauerstoffsättigung              | %    |        |      |       | 56.0 | 23.0   |         | 22.0    |
| pH-Wert                          |      |        |      |       | 7.37 | 7.1    | 7.0     | 7.0     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 29.09.1964 | 12.11.1964 | 25.02.1965 | 22.04.1965 | 21.06.1965 | 04.05.1966 | 10.08.1966 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.3 | 11.4 | 11.2 | 10.6 | 10.5 | 10.7 | 10.9 |
| Temperatur der Luft              | °C    | 15.0 | 7.0  |      | 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

PC-Agar (30 °C) am 3. Tag

Fäkalkeime

Escherichia coli 100 ml

Enterokokken 100 ml

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |        |         |         |         |        |         |         |
|----------------------------------|------|--------|---------|---------|---------|--------|---------|---------|
| Gesamthärte                      | °fH  | 35.5   | 35.7    | 35.6    | 36.6    | 39.0   | 37.4    | 37.2    |
| Karbonathärte                    | °fH  | 33.3   | 33.3    | 33.0    | 34.0    | 33.3   | 34.5    | 34.8    |
| Resthärte                        | °fH  | 2.2    | 2.4     | 2.6     | 2.6     | 5.7    | 2.9     | 2.4     |
| Oxidierbarkeit                   | mg/l | 1.4    | 2.4     | 1.6     | 2.1     | 2.2    | 1.7     | 2.5     |
| 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 | 7.5    | 8.0     | 7.5     | 8.0     | 12.0   | 10.0    | 10.0    |
| Chlorid                          | mg/l | 9.4    | 10.0    | 10.1    | 11.4    | 12.5   | 12.2    | 11.3    |
| Phosphat (als P)                 | mg/l | 0.015  | 0.061   | 0.009   | 0.012   | 0.012  | 0.015   | 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 |         |         |
| Freie Kohlensäure                | mg/l | 35.0   | 42.0    | 35.0    | 39.0    | 43.0   | 42.0    |         |
| Sauerstoff (gelöst)              | mg/l | 1.7    | 1.6     | 1.8     | 1.8     | 3.3    | 2.4     |         |
| Sauerstoffsättigung              | %    | 17.0   | 16.0    | 18.0    |         | 32.4   |         |         |
| pH-Wert                          |      | 7.0    | 7.0     | 7.25    | 7.0     | 7.0    |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 05.09.1966 | 02.02.1967 | 25.05.1967 | 09.08.1967 | 09.11.1967 | 26.02.1968 | 22.05.1968 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |       |      |
|----------------------------------|-------|------|------|------|------|------|-------|------|
| Temperatur des Wassers           | °C    | 11.3 | 11.5 | 10.7 | 11.5 | 11.8 | 11.4  | 10.8 |
| Temperatur der Luft              | °C    |      | 4.5  | 9.0  | 24.0 | 2.0  | - 1.0 | 8.5  |
| 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 |  | 19 | 26 | 53 | 7 | 12 | 2 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 28 | 14 | 38 | 2 | 1  | 4 | 0 |

Fäkalkeime

|                  |        |  |   |    |   |   |   |   |
|------------------|--------|--|---|----|---|---|---|---|
| Escherichia coli | 100 ml |  | 1 | 10 | 1 | 0 | 0 | 0 |
| Enterokokken     | 100 ml |  | 0 | 2  | 1 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |        |         |         |         |         |         |
|----------------------------------|------|---------|--------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 37.2    | 37.5   | 37.1    | 37.5    | 37.0    | 37.6    | 37.5    |
| Karbonathärte                    | °fH  | 34.5    | 35.0   | 35.3    | 35.3    | 35.5    | 35.0    | 34.5    |
| Resthärte                        | °fH  | 2.7     | 2.5    | 1.8     | 2.2     | 1.5     | 2.6     | 3.0     |
| Oxidierbarkeit                   | mg/l | 2.8     | 2.4    | 2.2     | 2.4     | 2.4     | 1.6     | 1.7     |
| 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 | 9.0     | 10.0   | 9.0     | 7.0     | 7.0     | 10.0    | 12.0    |
| Chlorid                          | mg/l | 11.1    | 11.1   | 8.8     | 10.0    | 9.9     | 11.4    | 11.2    |
| Phosphat (als P)                 | mg/l | 0.009   | 0.015  | 0.012   | 0.012   | 0.012   | 0.015   | 0.015   |
| 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  |         |
| Freie Kohlensäure                | mg/l |         | 46.0   | 39.0    | 44.0    | 49.0    | 48.0    | 44.5    |
| Sauerstoff (gelöst)              | mg/l |         | 2.2    | 2.2     | 1.9     | 2.3     | 2.5     | 2.5     |
| Sauerstoffsättigung              | %    |         | 22.0   | 22.0    | 19.0    | 23.0    | 25.0    | 25.0    |
| pH-Wert                          |      |         | 6.9    | 6.95    | 6.95    | 7.3     | 7.0     | 6.95    |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 22.08.1968 | 12.11.1968 | 05.02.1969 | 19.05.1969 | 19.08.1969 | 27.11.1969 | 19.01.1970 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |       |
|----------------------------------|-------|------|------|------|------|------|------|-------|
| Temperatur des Wassers           | °C    | 11.2 | 11.7 | 11.4 | 10.9 | 11.3 | 11.8 | 11.9  |
| Temperatur der Luft              | °C    | 17.0 | 5.0  |      |      | 18.0 |      | - 3.0 |
| 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 |  | 20 | 6 | 0 | 2 | 0 | 0 | 13 |
| PC-Agar (30 °C) am 3. Tag |  | 19 | 3 | 0 | 1 | 0 | 1 | 16 |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 37.5    | 37.6    | 36.9    | 37.5    | 37.6    | 36.8    |         |
| Karbonathärte                    | °fH  | 34.5    | 35.0    | 34.3    | 34.0    | 34.5    | 34.0    |         |
| Resthärte                        | °fH  | 3.0     | 2.6     | 2.6     | 3.5     | 3.1     | 2.8     |         |
| Oxidierbarkeit                   | mg/l | 1.9     | 1.9     | 1.4     | 2.2     | 2.8     | 2.1     | 1.4     |
| 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 | 8.0     | 9.0     | 10.0    | 14.0    | 10.0    | 10.0    |         |
| Chlorid                          | mg/l | 11.8    | 10.6    | 11.4    | 12.0    | 12.1    | 11.5    | 10.9    |
| Phosphat (als P)                 | mg/l | 0.015   | 0.009   | 0.031   | 0.018   | 0.018   | 0.018   | 0.015   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |         |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 43.0    | 43.0    | 43.0    | 42.0    | 45.0    | 39.0    |         |
| Sauerstoff (gelöst)              | mg/l | 2.2     | 2.2     | 2.3     | 2.6     | 2.0     | 1.7     |         |
| Sauerstoffsättigung              | %    | 22.0    | 22.0    |         | 25.5    | 20.0    | 17.0    |         |
| pH-Wert                          |      | 6.9     | 6.95    | 7.0     | 7.0     | 6.95    | 7.05    |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 25.02.1970 | 27.05.1970 | 28.08.1970 | 10.12.1970 | 11.02.1971 | 26.05.1971 | 10.08.1971 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |       |      |      |
|----------------------------------|-------|------|------|------|------|-------|------|------|
| Temperatur des Wassers           | °C    | 11.4 | 10.8 | 10.8 | 11.6 | 11.4  | 11.0 | 11.4 |
| Temperatur der Luft              | °C    | 1.0  |      | 26.0 | 2.5  | - 6.0 | 14.0 | 19.0 |
| 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 | 1 | 1 | 2 | 3 | 0 | 6 |
| PC-Agar (30°C) am 3. Tag |  | 2 | 8 | 1 | 2 | 2 | 2 | 7 |

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  | 36.8    | 36.7    | 35.9    | 36.0    | 36.4    | 36.2    | 36.1    |
| Karbonathärte                    | °fH  | 34.0    | 33.3    | 33.3    | 33.0    | 33.8    | 33.5    | 33.3    |
| Resthärte                        | °fH  | 2.8     | 3.4     | 2.6     | 3.0     | 2.6     | 2.7     | 2.8     |
| Oxidierbarkeit                   | mg/l | 1.6     | 2.8     | 1.7     | 1.9     | 2.2     | 1.6     | 1.3     |
| 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 | 9.0     | 10.0    | 8.0     | 8.0     | 8.0     | 8.0     | 9.0     |
| Chlorid                          | mg/l | 13.4    | 14.2    | 12.4    | 12.7    | 12.3    | 13.0    | 14.0    |
| Phosphat (als P)                 | mg/l | 0.012   | 0.025   | 0.018   | 0.018   | 0.018   | 0.015   | 0.012   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | 0.03    | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 48.0    | 40.0    | 50.0    | 45.0    | 43.0    | 40.5    | 49.0    |
| Sauerstoff (gelöst)              | mg/l | 2.4     | 3.2     | 2.6     | 2.0     | 2.2     | 2.3     | 2.4     |
| Sauerstoffsättigung              | %    | 24.0    | 31.5    | 28.5    | 20.0    | 22.0    | 23.0    | 24.0    |
| pH-Wert                          |      | 6.95    | 7.05    | 7.0     | 6.95    |         | 6.95    | 6.95    |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 08.11.1971 | 08.02.1972 | 07.06.1972 | 02.08.1972 | 01.02.1973 | 02.05.1973 | 07.08.1973 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.1 | 11.9 | 11.3 | 11.1 | 11.7 | 10.8 | 11.0 |
| Temperatur der Luft              | °C    | 11.0 |      | 17.0 | 14.0 | 1.0  | 13.5 |      |
| 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 |  | 1 | 0 | 0 | 72 | 664 | 1 | 4 |
| PC-Agar (30 °C) am 3. Tag |  | 0 | 6 | 2 | 89 | 172 | 3 | 9 |

Fäkalkeime

|                  |        |   |   |   |    |   |   |   |
|------------------|--------|---|---|---|----|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 10 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 36.2    | 36.3    | 36.4    | 36.3    | 36.5    | 36.3    | 36.0    |
| Karbonathärte                    | °H   | 33.3    | 33.5    | 33.8    | 33.8    | 33.8    | 33.5    | 33.3    |
| Resthärte                        | °H   | 2.9     | 2.8     | 2.6     | 2.5     | 2.7     | 2.8     | 2.7     |
| Oxidierbarkeit                   | mg/l | 1.6     | 1.3     | 1.7     | 1.6     | 1.9     | 1.4     | 2.1     |
| 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 | 8.0     | 7.0     | 5.0     | 8.0     | 11.0    | 10.0    | 9.0     |
| Chlorid                          | mg/l | 12.7    | 14.2    | 15.1    | 14.6    | 13.7    | 14.9    | 15.6    |
| Phosphat (als P)                 | mg/l | 0.015   | 0.015   | 0.009   | 0.018   | 0.021   | 0.012   | 0.021   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 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  |         |         |
| Freie Kohlensäure                | mg/l | 42.0    | 45.5    | 52.5    | 45.0    | 48.0    | 47.0    | 45.5    |
| Sauerstoff (gelöst)              | mg/l | 1.8     | 1.8     | 2.1     | 2.3     | 2.1     | 2.5     | 2.2     |
| Sauerstoffsättigung              | %    | 18.0    | 18.5    | 21.0    | 23.0    | 21.0    | 24.5    | 22.0    |
| pH-Wert                          |      | 6.95    | 7.0     |         | 6.95    | 6.95    | 6.95    | 7.0     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 07.11.1973 | 20.02.1974 | 07.05.1974 | 05.08.1974 | 07.11.1974 | 20.01.1975 | 02.06.1975 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.6 | 11.5 | 10.9 | 11.1 | 11.7 | 11.4 | 10.9 |
| Temperatur der Luft              | °C    | 2.0  | 2.0  | 4.5  | 16.5 | 3.5  | 3.5  | 8.5  |
| 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 |  | 5 | 0 | 2 | 5 | 12 | 3 | 38 |
| PC-Agar (30 °C) am 3. Tag |  | 8 | 2 | 2 | 2 | 6  | 1 | 17 |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 36.5    | 36.6    | 36.6    | 36.3    | 36.6    | 36.8    | 37.1    |
| Karbonathärte                    | °fH  | 33.3    | 33.8    | 33.8    | 33.5    | 33.8    | 34.0    | 34.3    |
| Resthärte                        | °fH  | 3.2     | 2.8     | 2.8     | 2.8     | 2.8     | 2.8     | 2.8     |
| Oxidierbarkeit                   | mg/l | 1.7     | 1.9     | 3.0     | 1.4     | 1.9     | 1.7     | 1.7     |
| 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 | 8.5     | 12.0    | 11.0    | 10.0    | 10.0    | 10.5    | 9.8     |
| Chlorid                          | mg/l | 14.8    | 15.5    | 15.2    | 15.3    | 15.2    | 13.2    | 12.4    |
| Phosphat (als P)                 | mg/l | 0.012   | 0.018   | 0.018   | 0.012   | 0.012   | 0.018   | 0.018   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  | 0.02    | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l |         |         | < 0.05  |         |         |         |         |
| Freie Kohlensäure                | mg/l | 45.5    | 48.5    | 42.5    | 49.5    | 54.0    | 50.5    | 47.5    |
| Sauerstoff (gelöst)              | mg/l | 1.8     | 2.02    | 2.15    | 2.25    | 1.9     | 2.3     | 2.5     |
| Sauerstoffsättigung              | %    | 18.0    | 20.0    | 21.5    | 23.0    | 19.5    | 23.0    | 25.0    |
| pH-Wert                          |      | 7.0     | 6.95    | 7.0     | 6.95    | 6.95    | 6.95    | 7.0     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 26.08.1975 | 21.01.1976 | 03.05.1976 | 29.07.1976 | 03.05.1977 | 28.07.1977 | 12.10.1977 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.4 | 12.0 | 11.3 | 11.5 | 11.5 | 10.7 | 11.8 |
| Temperatur der Luft              | °C    | 12.0 | 2.0  | 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 |  | 19 | 2 | 0 |     | 43 | 2 | 13 |
| PC-Agar (30°C) am 3. Tag |  | 9  | 1 | 1 | 232 | 13 | 0 | 9  |

Fäkalkeime

|                  |        |   |   |   |   |   |   |   |
|------------------|--------|---|---|---|---|---|---|---|
| Escherichia coli | 100 ml | 2 | 0 | 0 | 7 | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 2 | 0 | 0 | 3 | 0 | 0 | 1 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |      |      |
|----------------------------------|------|---------|---------|---------|---------|---------|------|------|
| Gesamthärte                      | °fH  | 37.3    | 37.0    | 36.6    | 36.0    | 37.1    | 36.8 | 36.8 |
| Karbonathärte                    | °fH  | 34.3    | 34.3    | 34.0    | 34.0    | 34.0    | 34.0 | 34.0 |
| Resthärte                        | °fH  | 3.0     | 2.7     | 2.6     | 2.0     | 3.1     | 2.8  | 2.8  |
| Oxidierbarkeit                   | mg/l | 1.6     | 1.7     | 1.6     | 1.3     | 1.4     | 1.9  | 2.1  |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |      |      |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |      |      |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |      |      |
| Nitrat                           | mg/l | 8.5     | 10.0    | 9.5     | 8.0     | 10.0    |      |      |
| Chlorid                          | mg/l | 12.8    | 11.2    | 12.4    | 11.7    | 14.5    |      |      |
| Phosphat (als P)                 | mg/l | 0.021   | 0.018   | 0.018   | 0.015   | 0.012   |      |      |
| Sulfat                           | mg/l |         |         |         |         |         |      |      |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |      |      |
| Mangan                           | mg/l |         | < 0.05  | < 0.05  | < 0.05  | < 0.05  |      |      |
| Freie Kohlensäure                | mg/l | 52.5    | 51.0    | 51.5    | 51.0    | 47.5    |      |      |
| Sauerstoff (gelöst)              | mg/l | 2.4     | 2.1     | 2.9     | 2.75    | 2.95    |      |      |
| Sauerstoffsättigung              | %    | 24.0    | 22.0    | 29.5    | 28.0    | 29.5    |      |      |
| pH-Wert                          |      | 6.95    | 7.0     | 7.0     | 6.95    | 6.95    |      |      |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 08.01.1980 | 08.05.1980 | 03.12.1980 | 15.09.1981 | 24.09.1981 | 03.12.1981 | 03.03.1982 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.0 | 11.2 | 11.9 | 11.6 | 10.4 | 11.9 | 11.6 |
| Temperatur der Luft              | °C    |      | 10.0 |      |      | 11.5 |      |      |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      | 720  |      |      | 1500 |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |        |   |   |   |    |    |    |     |
|---------------------------|--------|---|---|---|----|----|----|-----|
| PC-Agar (20 °C) am 3. Tag |        | 9 | 6 | 5 | 9  | 47 | 55 | 172 |
| PC-Agar (30 °C) am 3. Tag |        | 9 | 4 | 5 | 16 | 59 | 52 | 156 |
| Fäkalkeime                |        |   |   |   |    |    |    |     |
| Escherichia coli          | 100 ml | 0 | 0 | 0 | 22 | 1  | 0  | 0   |
| Enterokokken              | 100 ml | 0 | 0 | 0 | 1  | 2  | 0  | 0   |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |      |         |      |         |
|----------------------------------|------|---------|---------|---------|------|---------|------|---------|
| Gesamthärte                      | °fH  | 37.5    | 37.4    | 37.1    | 38.3 | 39.5    | 38.6 | 38.1    |
| Karbonathärte                    | °fH  | 34.0    | 33.5    | 33.8    | 34.0 | 35.8    | 33.8 | 34.0    |
| Resthärte                        | °fH  | 3.5     | 3.9     | 3.3     | 4.3  | 3.7     | 4.8  | 4.1     |
| Oxidierbarkeit                   | mg/l | 1.4     | 1.3     | 1.1     | 1.0  | 1.6     | 1.6  | 1.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |      |         |      |         |
| Ammonium                         | mg/l | < 0.02  | < 0.02  | < 0.02  |      | 0.06    |      | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 |      | < 0.005 |      | < 0.005 |
| Nitrat                           | mg/l | 33.5    | 11.4    | 9.7     | 24.2 | 21.1    |      | 12.0    |
| Chlorid                          | mg/l | 18.9    | 19.7    | 19.2    |      | 20.0    |      | 24.0    |
| Phosphat (als P)                 | mg/l | < 0.009 | 0.012   | 0.021   |      | 0.018   |      | 0.009   |
| Sulfat                           | mg/l |         |         |         |      |         |      |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  |      | < 0.02  |      | < 0.02  |
| Mangan                           | mg/l | < 0.05  | < 0.05  | < 0.05  |      | < 0.05  |      | < 0.05  |
| Freie Kohlensäure                | mg/l | 55.0    | 47.5    | 44.0    |      | 69.0    |      | 55.3    |
| Sauerstoff (gelöst)              | mg/l | 2.5     | 2.98    | 2.4     |      | 7.99    |      | 3.3     |
| Sauerstoffsättigung              | %    | 25.5    | 29.7    | 23.5    |      | 76.0    |      | 32.1    |
| pH-Wert                          |      | 7.1     | 7.0     | 7.2     |      | 7.0     |      | 7.05    |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 19.05.1982 | 09.06.1982 | 01.09.1982 | 15.12.1982 | 08.03.1983 | 07.06.1983 | 15.09.1983 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |      |      |
|----------------------------------|-------|------|------|------|------|-----|------|------|
| Temperatur des Wassers           | °C    | 10.4 | 11.0 | 11.6 | 10.6 | 9.6 | 11.1 | 13.2 |
| Temperatur der Luft              | °C    | 18.5 |      |      |      |     | 18.0 |      |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |     |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |     |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1300 | 1250 |      |      |     |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |    |     |    |    |   |   |   |
|---------------------------|--|----|-----|----|----|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 11 | 94  | 5  | 4  | 0 | 0 | 2 |
| PC-Agar (30 °C) am 3. Tag |  | 13 | 145 | 43 | 10 | 7 | 4 | 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    | 38.4 | 38.3 | 38.6 | 38.0    | 37.4 | 34.4 |
| Karbonathärte                    | °fH  | 33.8    | 34.0 | 33.6 | 34.3 | 33.7    | 33.4 | 29.4 |
| Resthärte                        | °fH  | 3.9     | 4.4  | 4.7  | 4.3  | 4.3     | 4.0  | 5.0  |
| Oxidierbarkeit                   | mg/l | 1.4     | 1.3  | 1.3  | 2.8  | 1.6     | 2.2  | 1.7  |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |      |      |      |         |      |      |
| Ammonium                         | mg/l | < 0.02  |      |      |      | < 0.02  |      |      |
| Nitrit                           | mg/l | < 0.005 |      |      |      | < 0.005 |      |      |
| Nitrat                           | mg/l | 21.3    |      |      |      | 20.2    |      |      |
| Chlorid                          | mg/l | 14.4    |      |      |      | 14.4    |      |      |
| Phosphat (als P)                 | mg/l | 0.018   |      |      |      | 0.012   |      |      |
| Sulfat                           | mg/l |         |      |      |      |         |      |      |
| Eisen                            | mg/l | < 0.02  |      |      |      | < 0.02  |      |      |
| Mangan                           | mg/l | < 0.05  |      |      |      | < 0.05  |      |      |
| Freie Kohlensäure                | mg/l | 64.0    |      |      |      | 71.5    |      |      |
| Sauerstoff (gelöst)              | mg/l | 6.42    |      |      |      | 7.3     |      |      |
| Sauerstoffsättigung              | %    | 60.8    |      |      |      | 68.0    |      |      |
| pH-Wert                          |      | 7.0     |      |      | 7.2  | 7.0     | 7.0  |      |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 14.12.1983 | 19.03.1984 | 13.06.1984 | 25.09.1984 | 05.12.1984 | 06.03.1985 | 17.06.1985 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |      |      |      |     |      |
|----------------------------------|-------|------|-----|------|------|------|-----|------|
| Temperatur des Wassers           | °C    | 10.2 | 9.2 | 11.0 | 12.8 | 11.2 | 9.2 | 10.8 |
| Temperatur der Luft              | °C    |      |     | 15.0 | 11.0 | 4.0  | 3.0 | 14.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |     |      |      |      |     |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |     |      |      |      |     |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1350 |     | 1300 |      | 1350 |     | 1350 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |    |   |
|---------------------------|--|---|---|---|---|---|----|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 2 | 1 | 1 | 0 | 1  | 4 |
| PC-Agar (30 °C) am 3. Tag |  | 0 | 0 | 0 | 5 | 0 | 18 | 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  | 34.5 | 37.5   | 35.4 | 35.9    | 37.1 | 39.3    | 38.1 |
| Karbonathärte                    | °fH  | 30.4 | 33.1   | 31.1 | 30.9    | 33.1 | 34.3    | 32.5 |
| Resthärte                        | °fH  | 4.1  | 4.4    | 4.3  | 5.0     | 4.0  | 5.0     | 5.6  |
| Oxidierbarkeit                   | mg/l | 1.7  | 2.1    | 1.7  | 1.6     | 2.5  | 1.4     | 1.9  |
| Totaler organ. Kohlenstoff (TOC) | mg/l |      |        |      |         |      |         |      |
| Ammonium                         | mg/l |      | < 0.02 |      | < 0.02  |      | < 0.02  |      |
| Nitrit                           | mg/l |      | < 0.05 |      | < 0.005 |      | < 0.005 |      |
| Nitrat                           | mg/l |      | 19.8   |      | 17.3    |      | 23.5    |      |
| Chlorid                          | mg/l |      | 18.9   |      | 18.4    |      | 18.5    |      |
| Phosphat (als P)                 | mg/l |      | 0.015  |      | 0.015   |      | 0.012   |      |
| Sulfat                           | mg/l |      |        |      |         |      |         |      |
| Eisen                            | mg/l |      | < 0.02 |      | < 0.02  |      | < 0.02  |      |
| Mangan                           | mg/l |      | < 0.05 |      | < 0.05  |      | < 0.05  |      |
| Freie Kohlensäure                | mg/l |      | 53.0   |      | 47.8    |      | 56.8    |      |
| Sauerstoff (gelöst)              | mg/l |      | 7.2    |      | 5.72    |      | 8.43    |      |
| Sauerstoffsättigung              | %    |      | 66.4   |      | 57.3    |      | 77.6    |      |
| pH-Wert                          |      | 7.0  | 7.0    | 7.0  | 7.0     |      | 7.0     |      |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME                       |        | 11.03.1986 | 12.11.1986 | 16.03.1987 | 03.03.1988 | 06.03.1989 | 20.03.1990 | 04.09.1990 |
|--------------------------------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>PHYSIKALISCHE PARAMETER</b>             |        |            |            |            |            |            |            |            |
| Temperatur des Wassers                     | °C     | 9.0        | 10.4       | 9.8        | 8.6        | 9.0        | 10.3       | 13.6       |
| Temperatur der Luft                        | °C     | - 1.0      |            | 1.0        | - 6.0      | 1.0        |            |            |
| Leitfähigkeit (20 °C)                      | µS/cm  |            |            |            |            |            |            | 602        |
| Spektr. Absorptionskoeff. 254 nm           | 1/m    |            |            |            |            |            |            |            |
| Ergiebigkeit / Pumpmenge                   | l/min  | 1300       |            | 1000       | 1000       | 1000       |            |            |
| <b>BAKTERIOLOGIE</b>                       |        |            |            |            |            |            |            |            |
| Aerobe mesophile Keime pro 1 ml            |        |            |            |            |            |            |            |            |
| PC-Agar (20 °C) am 3. Tag                  |        | 3          | 2          | 0          | 2          | 0          | 0          |            |
| PC-Agar (30 °C) am 3. Tag                  |        | 0          | 0          | 0          | 1          | 18         | 0          |            |
| Fäkalkeime                                 |        |            |            |            |            |            |            |            |
| Escherichia coli                           | 100 ml | 0          | 0          | 0          | 0          | 0          | 0          |            |
| Enterokokken                               | 100 ml | 0          | 0          | 0          | 0          | 0          | 0          |            |
| <b>CHEMISCHE HAUPT- UND NEBENPARAMETER</b> |        |            |            |            |            |            |            |            |
| Gesamthärte                                | °fH    | 36.5       | 33.5       | 38.0       | 35.0       | 36.4       | 37.9       | 35.4       |
| Karbonathärte                              | °fH    | 31.1       | 29.1       | 32.6       | 30.9       | 32.7       | 34.9       | 32.2       |
| Resthärte                                  | °fH    | 5.4        | 4.4        | 5.4        | 4.1        | 3.7        | 3.0        | 3.2        |
| Oxidierbarkeit                             | mg/l   | 1.7        | 1.3        | 1.4        | 1.4        | 0.8        | 1.4        | 1.6        |
| 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   | 22.4       |            | 25.3       | 22.6       | 15.1       | 12.8       | 12.2       |
| Chlorid                                    | mg/l   | 22.7       |            | 16.6       | 18.0       | 13.8       | 11.3       | 14.3       |
| Phosphat (als P)                           | mg/l   | 0.012      |            | 0.012      | 0.015      | 0.015      | 0.012      | 0.018      |
| Sulfat                                     | mg/l   |            |            |            |            | 22.0       |            | 16.5       |
| Eisen                                      | mg/l   | < 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     |
| Freie Kohlensäure                          | mg/l   | 53.2       |            | 44.7       | 52.5       | 56.6       | 64.6       | 51.7       |
| Sauerstoff (gelöst)                        | mg/l   | 8.69       |            | 7.4        | 7.34       | 6.71       | 6.84       | 4.43       |
| Sauerstoffsättigung                        | %      | 79.1       |            | 69.1       | 66.6       | 61.5       | 54.7       | 45.3       |
| pH-Wert                                    |        | 7.0        |            | 7.1        | 7.1        | 7.0        | 7.0        | 7.1        |
| <b>WEITERE METALLE</b>                     |        |            |            |            |            |            |            |            |
| Strontium                                  | µg/l   |            |            |            |            | 500        |            | 280        |
| Zink                                       | µg/l   |            |            |            |            | 50         |            | < 20       |
| Cadmium                                    | µg/l   |            |            |            |            | < 0.2      |            | < 0.2      |
| Quecksilber                                | µg/l   |            |            |            |            | < 0.2      |            | < 0.2      |
| Blei                                       | µg/l   |            |            |            |            | < 2        |            | < 2        |

| DATUM DER PROBENAHME | 06.03.1991 | 16.03.1992 | 21.09.1992 | 23.03.1993 | 08.09.1994 | 16.03.1995 | 14.11.1996 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |      |      |      |      |      |
|----------------------------------|-------|------|-----|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 9.6  | 9.6 | 14.3 | 9.2  | 13.2 | 10.9 | 11.6 |
| Temperatur der Luft              | °C    | 5.0  |     |      | 11.0 | 14.0 | 6.0  | 4.0  |
| Leitfähigkeit (20 °C)            | µS/cm | 641  |     | 601  | 617  | 595  | 671  | 655  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |     |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1000 |     |      |      | 430  | 916  | 900  |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |        |   |   |    |   |   |   |   |
|---------------------------|--------|---|---|----|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |        | 1 | 0 | 13 | 0 | 0 | 0 | 1 |
| PC-Agar (30 °C) am 3. Tag |        | 4 | 0 | 17 | 0 | 0 | 0 | 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  | 37.8    | 37.6    | 35.4    | 35.8    | 35.1    | 39.5    | 37.8    |
| Karbonathärte                    | °fH  | 34.8    | 33.6    | 30.7    | 31.5    | 31.0    | 36.3    | 33.1    |
| Resthärte                        | °fH  | 3.0     | 4.0     | 4.7     | 4.3     | 4.1     | 3.2     | 4.7     |
| Oxidierbarkeit                   | mg/l | 1.4     | 1.7     | 1.4     | 1.1     | 1.6     | 1.4     | 1.3     |
| 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 | 18.6    | 16.8    | 15.7    | 22.0    | 18.5    | 20.5    | 17.2    |
| Chlorid                          | mg/l | 13.6    | 15.1    | 16.8    | 17.0    | 14.3    | 12.3    | 17.9    |
| Phosphat (als P)                 | mg/l | 0.012   | 0.012   | 0.015   | 0.012   | 0.015   | 0.018   | 0.015   |
| Sulfat                           | mg/l | 13.5    |         | 16.1    | 15.8    | 14.5    | 12.3    | 14.9    |
| 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 | 68.8    | 62.5    | 60.7    | 59.3    | 70.3    | 68.4    | 64.9    |
| Sauerstoff (gelöst)              | mg/l | 6.91    | 6.91    | 8.27    | 7.78    | 5.38    | 6.46    | 6.08    |
| Sauerstoffsättigung              | %    | 64.2    | 64.2    | 85.7    | 71.7    | 54.4    | 61.9    | 59.3    |
| pH-Wert                          |      | 7.0     | 7.0     | 7.15    | 7.0     | 7.1     | 6.9     | 7.0     |

**WEITERE METALLE**

|             |      |       |  |       |       |       |  |  |
|-------------|------|-------|--|-------|-------|-------|--|--|
| Strontium   | µg/l | 290   |  | 300   | 230   | 330   |  |  |
| Zink        | µg/l | < 20  |  | < 20  | 30    | 30    |  |  |
| Cadmium     | µg/l | < 0.2 |  | 0.4   | < 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 | 04.12.1996 | 24.03.1997 | 11.04.1997 | 22.09.1998 | 25.03.1999 | 07.09.2000 | 27.03.2001 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.7 | 10.3 | 11.4 | 12.8 | 10.9 | 12.3 | 10.8 |
| Temperatur der Luft              | °C    |      | 6.0  | 4.0  | 10.0 | 7.0  | 13.0 | 5.0  |
| Leitfähigkeit (20 °C)            | µS/cm | 680  | 658  | 647  | 635  | 688  | 618  | 678  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      | 920  |      | 920  | 900  | 52   |      |

**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 |  | 0 | 2 | 1 | 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  | 39.2    | 38.2    | 36.6    | 36.4    | 40.0    | 36.1    | 39.4    |
| Karbonathärte                    | °fH  | 36.1    | 33.7    | 33.5    | 31.5    | 36.4    | 32.7    | 36.7    |
| Resthärte                        | °fH  | 3.1     | 4.5     | 3.1     | 4.9     | 3.6     | 3.4     | 2.7     |
| Oxidierbarkeit                   | mg/l |         | 1.1     |         | 1.6     | 1.1     | 1.0     | 1.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.02    | < 0.02  | < 0.01  | < 0.01  | 0.01    | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 18.0    | 18.7    | 17.0    | 14.0    | 18.0    | 14.0    | 13.5    |
| Chlorid                          | mg/l | 16.0    | 16.4    | 15.0    | 22.0    | 13.5    | 15.5    | 12.0    |
| Phosphat (als P)                 | mg/l | 0.06    | 0.014   | 0.05    | 0.015   | 0.014   | 0.013   | 0.014   |
| Sulfat                           | mg/l | 14.0    | 14.6    | 15.0    | 16.0    | 12.0    | 12.5    | 11.5    |
| Eisen                            | mg/l |         | < 0.02  |         | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Mangan                           | mg/l |         | < 0.02  |         | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Freie Kohlensäure                | mg/l | 62.8    | 57.7    | 49.3    | 47.0    | 61.0    | 50.0    | 59.0    |
| Sauerstoff (gelöst)              | mg/l |         | 6.53    |         | 4.8     | 7.0     | 5.0     | 5.6     |
| Sauerstoffsättigung              | %    |         | 61.7    |         | 48.0    | 67.0    | 50.0    | 54.0    |
| pH-Wert                          |      | 7.05    | 7.15    | 7.1     | 7.05    | 7.0     | 7.1     | 7.1     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 26.09.2002 | 26.03.2003 | 22.09.2004 | 30.03.2005 | 30.10.2006 | 07.05.2007 | 02.09.2008 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 12.7 | 10.3 | 12.9 | 10.0 | 12.0 | 11.1 | 12.4 |
| Temperatur der Luft              | °C    | 7.0  | 11.0 | 12.0 | 9.0  | 13.0 | 8.0  | 19.0 |
| Leitfähigkeit (20°C)             | µS/cm | 653  | 692  | 672  | 720  | 709  | 681  | 688  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      | 1.6  | 1.4  | 1.6  | 1.5  | 1.5  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |    |   |   |   |
|--------------------------|--|---|---|---|----|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 0 | 0 | 0 | 23 | 0 | 5 | 2 |
| PC-Agar (30°C) am 3. Tag |  | 2 | 1 | 1 | 25 | 0 | 7 | 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  | 36.0    | 38.3    | 35.8    | 38.1    | 35.8    | 35.6    | 35.7    |
| Karbonathärte                    | °fH  | 31.5    | 33.5    | 30.1    | 33.4    | 31.9    | 32.2    | 30.7    |
| Resthärte                        | °fH  | 4.5     | 4.8     | 5.7     | 4.7     | 3.9     | 3.4     | 5.0     |
| Oxidierbarkeit                   | mg/l | 1.6     | 1.7     | 1.3     |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         | 0.7     | 0.8     | 0.7     | 0.8     | 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 | 22.5    | 41.0    | 41.0    | 38.0    | 29.5    | 24.5    | 19.5    |
| Chlorid                          | mg/l | 16.0    | 12.0    | 24.0    | 31.5    | 34.5    | 25.5    | 33.0    |
| Phosphat (als P)                 | mg/l | 0.015   | 0.011   | 0.012   | 0.013   | 0.014   | 0.012   | 0.013   |
| Sulfat                           | mg/l | 20.0    | 19.0    | 26.0    | 23.5    | 31.0    | 23.5    | 42.0    |
| 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 | 41.0    | 49.0    | 41.0    | 42.0    | 36.0    | 41.0    | 37.0    |
| Sauerstoff (gelöst)              | mg/l | 4.9     | 5.95    | 5.8     | 6.45    | 5.7     | 5.75    | 5.4     |
| Sauerstoffsättigung              | %    | 47.0    | 57.0    | 58.0    | 60.0    | 56.0    | 56.0    | 53.0    |
| pH-Wert                          |      | 7.15    | 7.1     | 7.05    | 7.15    | 7.25    | 7.2     | 7.0     |

**WEITERE METALLE**

|             |      |  |  |       |  |  |  |  |
|-------------|------|--|--|-------|--|--|--|--|
| Strontium   | µg/l |  |  | 309   |  |  |  |  |
| Zink        | µg/l |  |  | 2     |  |  |  |  |
| Cadmium     | µg/l |  |  | < 0.2 |  |  |  |  |
| Quecksilber | µg/l |  |  | < 0.2 |  |  |  |  |
| Blei        | µg/l |  |  | < 1   |  |  |  |  |

| DATUM DER PROBENAHME | 24.03.2009 | 29.09.2010 | 03.05.2011 | 19.09.2012 | 28.05.2013 | 30.09.2014 | 15.06.2015 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 10.5 | 12.6 | 11.1 | 13.0 | 11.5 | 12.7 | 11.4 |
| Temperatur der Luft              | °C    | 2.0  | 6.0  |      |      |      |      |      |
| Leitfähigkeit (20°C)             | µS/cm | 724  | 747  | 679  | 711  | 730  | 727  | 739  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 1.4  | 1.5  | 1.5  | 1.5  | 1.5  | 1.4  | 1.3  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |     |
|--------------------------|--|---|---|---|---|---|---|-----|
| PC-Agar (20°C) am 3. Tag |  | 0 | 0 | 0 |   |   |   |     |
| PC-Agar (30°C) am 3. Tag |  | 3 | 0 | 0 | 3 | 0 | 0 | 110 |

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  | 38.3    | 37.5    | 35.3    | 36.1    | 38.4    | 38.1    | 40.1    |
| Karbonathärte                    | °fH  | 36.4    | 31.4    | 31.6    | 33.0    | 35.4    | 35.5    | 38.6    |
| Resthärte                        | °fH  | 1.9     | 6.1     | 3.7     | 3.1     | 3.0     | 2.6     | 1.5     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.8     | 0.8     | 0.7     | 0.8     | 0.9     | 0.7     | 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 | 20.5    | 20.5    | 20.5    | 18.5    | 22.4    | 19.8    | 19.3    |
| Chlorid                          | mg/l | 23.0    | 53.0    | 40.0    | 39.0    | 34.5    | 36.2    | 28.6    |
| Phosphat (als P)                 | mg/l | < 0.002 | 0.012   | 0.013   | 0.013   | 0.012   | 0.022   | 0.018   |
| Sulfat                           | mg/l | 22.5    | 40.5    | 24.0    | 25.5    | 24.9    | 22.0    | 18.4    |
| Eisen                            | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |         |         |
| Mangan                           | mg/l | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |         |         |
| Freie Kohlensäure                | mg/l | 41.0    | 40.0    | 30.0    | 36.0    | 41.0    | 49.0    | 50.0    |
| Sauerstoff (gelöst)              | mg/l | 5.9     | 5.4     | 6.65    | 5.35    | 5.2     | 4.65    | 5.7     |
| Sauerstoffsättigung              | %    | 56.0    | 54.0    | 64.0    | 54.0    | 51.0    | 46.0    | 55.0    |
| pH-Wert                          |      | 7.2     | 7.1     | 7.35    | 7.25    | 7.25    | 7.2     | 7.15    |

**WEITERE METALLE**

|             |      |       |  |  |  |  |  |  |
|-------------|------|-------|--|--|--|--|--|--|
| Strontium   | µg/l | 355   |  |  |  |  |  |  |
| Zink        | µg/l | 5     |  |  |  |  |  |  |
| Cadmium     | µg/l | < 0.2 |  |  |  |  |  |  |
| Quecksilber | µg/l | < 0.2 |  |  |  |  |  |  |
| Blei        | µg/l | 1     |  |  |  |  |  |  |

| DATUM DER PROBENAHME | 03.10.2016 | 10.05.2017 | 05.09.2018 | 20.05.2019 | 23.09.2020 | 06.05.2021 | 21.09.2022 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 13.3 | 10.9 | 14.4 | 11.1 | 13.3 | 11.2 | 13.4 |
| Temperatur der Luft              | °C    |      |      |      |      |      |      |      |
| Leitfähigkeit (20°C)             | µS/cm | 644  | 736  | 608  | 672  | 681  | 715  | 679  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 1.5  | 1.5  | 1.5  | 1.6  | 1.5  | 1.6  | 1.4  |
| 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 | 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  | 33.0    | 34.6    | 30.7    | 34.3    | 34.4    | 36.3    | 33.6    |
| Karbonathärte                    | °fH  | 30.6    | 32.7    | 27.8    | 30.8    | 30.9    | 32.5    | 30.3    |
| Resthärte                        | °fH  | 2.4     | 1.9     | 2.9     | 3.5     | 3.5     | 3.8     | 3.3     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.5     | 0.5     | 0.8     | 0.7     | 1.0     | 0.9     | 1.2     |
| 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 | 16.2    | 15.9    | 12.3    | 21.3    | 21.9    | 27.9    | 15.1    |
| Chlorid                          | mg/l | 33.0    | 32.1    | 34.7    | 37.9    | 35.8    | 37.7    | 42.4    |
| Phosphat (als P)                 | mg/l | 0.016   | 0.015   | 0.017   | 0.012   | 0.017   | 0.021   | 0.015   |
| Sulfat                           | mg/l | 23.5    | 22.0    | 24.7    | 23.1    | 29.3    | 24.6    | 27.8    |
| Eisen                            | mg/l |         |         |         |         |         |         |         |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 28.0    | 36.0    | 31.0    | 34.0    | 30.0    | 36.0    | 32.0    |
| Sauerstoff (gelöst)              | mg/l | 4.6     | 5.15    | 2.65    | 5.6     | 4.3     | 5.4     | 3.4     |
| Sauerstoffsättigung              | %    | 47.0    | 49.0    | 28.0    | 54.0    | 43.0    | 52.0    | 34.0    |
| pH-Wert                          |      | 7.25    | 7.8     | 7.6     | 7.2     | 7.1     | 7.2     | 7.1     |

**WEITERE METALLE**

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

DATUM DER PROBENAHME 02.05.2023

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |
|----------------------------------|-------|------|
| Temperatur des Wassers           | °C    | 11.3 |
| Temperatur der Luft              | °C    |      |
| Leitfähigkeit (20 °C)            | µS/cm | 723  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 1.5  |
| 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 2

Fäkalkeime

Escherichia coli 100 ml 0

Enterokokken 100 ml 0

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |
|----------------------------------|------|---------|
| Gesamthärte                      | °H   | 38.3    |
| Karbonathärte                    | °H   | 35.1    |
| Resthärte                        | °H   | 3.2     |
| Oxidierbarkeit                   | mg/l |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 0.8     |
| Ammonium                         | mg/l | < 0.01  |
| Nitrit                           | mg/l | < 0.002 |
| Nitrat                           | mg/l | 23.7    |
| Chlorid                          | mg/l | 32.5    |
| Phosphat (als P)                 | mg/l | 0.014   |
| Sulfat                           | mg/l | 22.4    |
| Eisen                            | mg/l |         |
| Mangan                           | mg/l |         |
| Freie Kohlensäure                | mg/l | 44.0    |
| Sauerstoff (gelöst)              | mg/l | 5.4     |
| Sauerstoffsättigung              | %    | 52.0    |
| pH-Wert                          |      | 7.2     |

**WEITERE METALLE**

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