

| DATUM DER PROBENAHME | 16.02.1920 | 15.03.1920 | 25.09.1923 | 09.11.1926 | 13.09.1928 | 03.06.1948 | 20.06.1949 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |     |     |      |      |      |      |      |
|----------------------------------|-------|-----|-----|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 5.1 | 5.0 | 14.6 | 12.6 | 14.4 | 10.4 | 11.3 |
| Temperatur der Luft              | °C    | 3.0 | 9.5 | 13.0 | 8.0  | 16.0 | 15.0 | 22.0 |
| Leitfähigkeit (20 °C)            | µS/cm |     |     |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |     |     |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |     |     |      |      | 1100 |      |      |

**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                      | °H   |      |      |     |       |       |        |         |
| Karbonathärte                    | °H   |      |      |     |       | 25.2  |        | 28.2    |
| Resthärte                        | °H   |      |      |     |       |       |        |         |
| Oxidierbarkeit                   | mg/l |      |      |     |       | 4.8   |        | 4.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |      |      |     |       |       |        |         |
| Ammonium                         | mg/l | 0.02 | 0.02 |     | 0.002 | 0.006 | 0.002  | 0.01    |
| Nitrit                           | mg/l |      |      |     |       |       |        |         |
| Nitrat                           | mg/l |      |      |     | 6.0   | 1.0   | 5.0    | 4.0     |
| Chlorid                          | mg/l | 8.0  | 11.0 | 9.0 | 8.5   | 8.5   | 12.9   | 6.4     |
| Phosphat (als P)                 | mg/l |      |      |     |       |       | 0.009  | < 0.006 |
| Sulfat                           | mg/l |      |      |     |       |       |        |         |
| Eisen                            | mg/l |      |      |     |       |       | 0.12   | < 0.01  |
| Mangan                           | mg/l |      |      |     |       |       | < 0.05 | < 0.05  |
| Freie Kohlensäure                | mg/l |      |      |     |       |       | 20.0   |         |
| Sauerstoff (gelöst)              | mg/l |      |      |     |       |       | 5.56   | 4.13    |
| Sauerstoffsättigung              | %    |      |      |     |       |       |        |         |
| pH-Wert                          |      |      |      |     |       |       |        | 7.05    |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 28.05.1956 | 05.07.1957 | 19.12.1957 | 23.05.1960 | 02.06.1960 | 20.05.1969 | 02.09.1969 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |     |      |      |      |      |
|----------------------------------|-------|------|------|-----|------|------|------|------|
| Temperatur des Wassers           | °C    | 9.3  | 11.8 | 9.3 | 8.9  | 10.0 | 9.0  | 15.1 |
| Temperatur der Luft              | °C    | 20.0 | 28.0 | 1.5 | 13.0 | 13.0 | 10.0 | 11.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |     |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |     |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |     | 210  |      |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |  |  |  |  |   |    |
|---------------------------|--|--|--|--|--|---|----|
| PC-Agar (20 °C) am 3. Tag |  |  |  |  |  | 5 | 10 |
| PC-Agar (30 °C) am 3. Tag |  |  |  |  |  | 4 | 23 |

Fäkalkeime

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

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |        |         |         |         |         |         |
|----------------------------------|------|---------|--------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 31.2    | 34.0   | 32.6    | 27.3    | 26.6    | 31.2    | 34.0    |
| Karbonathärte                    | °H   | 29.3    | 32.8   | 30.5    | 26.3    | 25.5    | 28.5    | 32.0    |
| Resthärte                        | °H   | 1.9     | 1.2    | 2.1     | 1.0     | 1.1     | 2.7     | 2.0     |
| Oxidierbarkeit                   | mg/l | 3.0     | 4.1    | 3.3     | 4.4     | 4.9     | 4.5     | 4.9     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |        |         |         |         |         |         |
| Ammonium                         | mg/l | 0.02    | 0.02   | 0.03    | 0.025   | 0.04    | 0.1     | 0.03    |
| Nitrit                           | mg/l | < 0.005 |        | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 7.5     | 5.5    | 12.0    | 2.0     | 3.8     | 14.0    | 12.0    |
| Chlorid                          | mg/l | 3.2     | 3.3    | 6.3     | 7.9     | 5.1     | 8.0     | 3.9     |
| Phosphat (als P)                 | mg/l | 0.021   | 0.028  | 0.031   | 0.172   | 0.147   | 0.16    | 0.104   |
| 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 |         |        |         | 20.0    | 18.0    | 30.0    |         |
| Sauerstoff (gelöst)              | mg/l |         |        |         | 3.5     | 5.2     | 5.9     |         |
| Sauerstoffsättigung              | %    |         |        |         | 33.0    | 50.5    | 56.0    |         |
| pH-Wert                          |      |         | 7.1    |         | 7.25    | 7.3     | 7.0     |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 20.04.1971 | 20.02.1973 | 06.03.1973 | 20.03.1973 | 17.04.1973 | 22.05.1973 | 19.06.1973 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |       |     |       |     |      |      |
|----------------------------------|-------|------|-------|-----|-------|-----|------|------|
| Temperatur des Wassers           | °C    | 6.8  | 9.2   | 6.1 | 5.8   | 5.7 | 7.7  | 9.5  |
| Temperatur der Luft              | °C    | 12.0 | - 8.0 | 4.0 | - 4.0 | 4.0 | 14.0 | 20.0 |
| 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 |  | 14 | 1200 | 202 | 5  | 45 | 1 | 14 |
| PC-Agar (30 °C) am 3. Tag |  | 5  | 1120 | 172 | 29 | 45 | 2 | 10 |

Fäkalkeime

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

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |        |         |         |         |         |         |
|----------------------------------|------|---------|--------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 28.4    | 31.2   |         | 31.5    | 30.5    | 29.0    | 30.3    |
| Karbonathärte                    | °fH  | 26.0    | 28.0   |         | 28.3    | 28.3    | 26.8    | 27.5    |
| Resthärte                        | °fH  | 2.4     | 3.2    |         | 3.2     | 2.2     | 2.2     | 2.8     |
| Oxidierbarkeit                   | mg/l | 3.6     | 4.6    | 4.1     | 3.9     | 3.1     | 4.1     | 4.1     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |        |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.03   | < 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 | 13.0    | 14.0   | 16.0    | 16.5    | 12.0    | 14.0    | 10.0    |
| Chlorid                          | mg/l | 10.1    | 19.0   | 20.1    | 16.3    | 8.9     | 9.3     | 18.2    |
| Phosphat (als P)                 | mg/l | 0.245   | 0.11   | 0.123   | 0.11    | 0.123   | 0.147   | 0.184   |
| Sulfat                           | mg/l |         |        |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02 | 0.02    |         |         |         |         |
| Mangan                           | mg/l |         | < 0.05 |         |         |         |         |         |
| Freie Kohlensäure                | mg/l |         |        |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |        |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |        |         |         |         |         |         |
| pH-Wert                          |      |         |        |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 25.07.1973 | 21.08.1973 | 18.09.1973 | 23.10.1973 | 13.12.1973 | 22.01.1974 | 19.02.1974 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |     |     |
|----------------------------------|-------|------|------|------|------|-----|-----|-----|
| Temperatur des Wassers           | °C    | 12.4 | 13.8 | 14.7 | 13.2 | 8.9 | 6.9 | 6.8 |
| Temperatur der Luft              | °C    | 15.0 | 19.0 | 16.0 | 5.0  |     |     | 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 |  | 52 | 23 | 12 | 14 | 22 | 5 | 1 |
| PC-Agar (30 °C) am 3. Tag |  | 33 | 12 | 13 | 2  | 21 | 8 | 2 |

Fäkalkeime

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

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °H   | 32.3    | 32.3    | 32.3    | 34.1    | 33.9    | 32.6    | 31.4    |
| Karbonathärte                    | °H   | 30.0    | 30.0    | 30.3    | 32.3    | 31.0    | 29.8    | 28.5    |
| Resthärte                        | °H   | 2.3     | 2.3     | 2.0     | 1.8     | 2.9     | 2.8     | 2.9     |
| Oxidierbarkeit                   | mg/l | 4.6     | 4.1     | 3.5     | 5.0     | 4.0     | 4.0     | 3.4     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.03    | 0.04    | 0.03    | < 0.02  | < 0.02  | 0.04    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 10.0    | 12.0    | 12.0    | 10.0    | 16.0    | 16.0    | 16.0    |
| Chlorid                          | mg/l | 7.6     | 9.9     | 12.4    | 6.5     | 10.3    | 9.5     | 11.1    |
| Phosphat (als P)                 | mg/l | 0.123   | 0.117   | 0.086   | 0.117   | 0.098   | 0.098   | 0.11    |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l |         |         |         |         |         |         |         |
| Mangan                           | mg/l |         |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 19.03.1974 | 15.05.1975 | 20.05.1975 | 17.06.1975 | 22.07.1975 | 16.09.1975 | 21.10.1975 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |     |      |      |      |      |      |      |
|----------------------------------|-------|-----|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 6.6 | 8.0  | 10.0 | 11.4 | 13.6 | 15.1 | 14.2 |
| Temperatur der Luft              | °C    |     | 14.5 | 11.0 | 15.0 | 17.0 | 12.0 | 7.0  |
| Leitfähigkeit (20 °C)            | µS/cm |     |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | l/m   |     |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |     |      | 900  | 880  |      | 1000 | 1000 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |    |    |   |   |   |   |   |
|---------------------------|--|----|----|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 0  | 63 | 1 | 5 | 0 | 3 | 2 |
| PC-Agar (30 °C) am 3. Tag |  | 18 | 40 | 1 | 2 | 1 | 3 | 4 |

Fäkalkeime

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

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |      |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|------|
| Gesamthärte                      | °fH  | 31.8    | 28.5    | 28.1    | 28.8    | 32.0    | 31.4    | 32.1 |
| Karbonathärte                    | °fH  | 29.0    | 25.8    | 25.0    | 26.3    | 30.0    | 29.8    | 30.0 |
| Resthärte                        | °fH  | 2.8     | 2.7     | 3.1     | 2.5     | 2.0     | 1.6     | 2.1  |
| Oxidierbarkeit                   | mg/l | 3.0     | 4.0     | 5.3     | 3.8     | 4.4     | 4.2     | 4.4  |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |      |
| Ammonium                         | mg/l | 0.03    | 0.05    | < 0.02  | < 0.02  | 0.06    | 0.02    |      |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |      |
| Nitrat                           | mg/l | 16.0    | 11.0    | 8.5     | 11.5    | 12.0    | 10.5    |      |
| Chlorid                          | mg/l | 9.8     | 9.7     | 16.3    | 13.9    | 5.7     | 4.3     |      |
| Phosphat (als P)                 | mg/l | 0.11    | 0.138   | 0.258   | 0.221   | 0.135   | 0.153   |      |
| Sulfat                           | mg/l |         |         |         |         |         |         |      |
| Eisen                            | mg/l |         | < 0.02  |         |         |         |         |      |
| Mangan                           | mg/l |         |         |         |         |         |         |      |
| Freie Kohlensäure                | mg/l |         | 20.5    |         |         |         |         |      |
| Sauerstoff (gelöst)              | mg/l |         | 5.45    |         |         |         |         |      |
| Sauerstoffsättigung              | %    |         | 51.0    |         |         |         |         |      |
| pH-Wert                          |      |         | 7.2     |         |         |         |         |      |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 18.11.1975 | 16.12.1975 | 05.02.1976 | 17.02.1976 | 27.04.1976 | 18.05.1976 | 22.06.1976 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |     |  |     |      |      |
|----------------------------------|-------|------|-----|-----|--|-----|------|------|
| Temperatur des Wassers           | °C    | 11.7 | 9.4 | 7.4 |  | 7.7 | 9.0  | 11.9 |
| Temperatur der Luft              | °C    | 5.0  | 1.0 | 4.0 |  | 6.0 | 20.0 | 21.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |     |     |  |     |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |     |     |  |     |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1000 | 920 | 840 |  | 800 | 940  | 940  |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |   |   |
|---------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 4 | 0 | 1 | 0 | 0 | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 6 | 1 | 0 | 0 | 1 | 2 | 1 |

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  | 30.4    | 30.7    | 30.6    | 30.8    | 27.8    | 27.8    | 29.6    |
| Karbonathärte                    | °fH  | 27.5    | 27.8    | 29.0    | 27.5    | 25.0    | 26.3    | 26.8    |
| Resthärte                        | °fH  | 2.9     | 2.9     | 1.6     | 3.3     | 2.8     | 1.5     | 2.8     |
| Oxidierbarkeit                   | mg/l | 4.2     | 3.6     | 2.4     | 3.5     | 3.3     | 3.5     | 4.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.05    | 0.04    | 0.05    | 0.05    | < 0.02  | 0.03    | 0.04    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 13.5    | 15.0    | 17.5    | 18.0    | 10.5    | 9.5     | 9.5     |
| Chlorid                          | mg/l | 10.9    | 10.8    | 17.1    | 20.5    | 16.0    | 14.7    | 16.8    |
| Phosphat (als P)                 | mg/l | 0.123   | 0.172   | 0.11    | 0.123   | 0.037   | 0.135   | 0.172   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l |         | < 0.02  |         |         | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l |         |         |         |         | < 0.05  | < 0.05  | < 0.05  |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 20.07.1976 | 17.08.1976 | 19.10.1976 | 16.11.1976 | 16.12.1976 | 18.01.1977 | 01.03.1977 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |       |       |      |
|----------------------------------|-------|------|------|------|------|-------|-------|------|
| Temperatur des Wassers           | °C    | 14.1 | 15.1 | 12.9 | 12.4 | 9.6   | 6.8   | 6.4  |
| Temperatur der Luft              | °C    | 17.5 | 15.0 | 8.0  | 5.0  | - 7.0 | - 7.0 | 3.0  |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |       |       |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |       |       |      |
| Ergiebigkeit / Pumpmenge         | l/min | 820  | 1000 |      | 1000 | 1000  | 940   | 1000 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |    |     |    |   |   |   |   |
|---------------------------|--|----|-----|----|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 10 | 11  | 2  | 0 | 1 | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 41 | 125 | 26 | 2 | 6 | 2 | 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  | 26.7    | 28.4    | 30.5    | 31.6    | 32.6    | 33.1    | 29.4    |
| Karbonathärte                    | °fH  | 23.8    | 25.3    | 27.8    | 29.5    | 29.8    | 27.0    | 26.5    |
| Resthärte                        | °fH  | 2.9     | 3.1     | 2.7     | 2.1     | 2.8     | 6.1     | 2.9     |
| Oxidierbarkeit                   | mg/l | 4.0     | 3.8     | 4.0     | 3.5     | 4.1     | 2.8     | 3.5     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.06    | 0.02    | 0.04    | 0.04    | < 0.02  | 0.04    | 0.06    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 5.0     | 12.0    | 11.5    | 12.5    | 15.5    | 16.5    | 17.0    |
| Chlorid                          | mg/l | 23.3    | 13.0    | 10.0    | 9.0     | 8.7     | 28.4    | 18.5    |
| Phosphat (als P)                 | mg/l | 0.172   | 0.147   | 0.135   | 0.135   | 0.098   | 0.123   | 0.092   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  | 0.03    | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 22.03.1977 | 26.04.1977 | 08.06.1977 | 21.06.1977 | 19.07.1977 | 23.08.1977 | 20.09.1977 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 7.6  | 8.2  | 9.0  | 11.7 | 13.7 | 15.0 | 14.8 |
| Temperatur der Luft              | °C    | 8.0  | 13.0 | 11.0 | 15.0 | 18.0 | 14.0 | 8.0  |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1000 | 1040 | 1010 | 920  | 1040 | 1000 | 1000 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |   |   |
|---------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 2 | 1 | 1 | 0 | 1 | 2 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 0 | 1 | 6 | 5 | 1 | 5 | 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  | 29.1    | 29.7    | 30.1    | 28.0    | 30.3    | 29.9    | 31.2    |
| Karbonathärte                    | °fH  | 26.0    | 27.5    | 28.0    | 25.0    | 27.8    | 28.3    | 28.5    |
| Resthärte                        | °fH  | 3.1     | 2.2     | 2.1     | 3.0     | 2.5     | 1.6     | 2.7     |
| Oxidierbarkeit                   | mg/l | 2.8     | 3.8     | 3.3     | 3.6     | 3.0     | 4.0     | 3.5     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.02    | 0.02    | 0.02    | 0.03    | 0.02    | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 16.0    | 12.5    | 12.5    | 11.5    | 11.0    | 9.5     | 12.5    |
| Chlorid                          | mg/l | 10.9    | 6.8     | 8.5     | 19.5    | 8.9     | 8.5     | 12.7    |
| Phosphat (als P)                 | mg/l | 0.098   | 0.086   | 0.104   | 0.11    | 0.11    | 0.113   | 0.117   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | 0.03    |
| Mangan                           | mg/l | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |         | < 0.05  |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 18.10.1977 | 22.11.1977 | 15.12.1977 | 19.01.1978 | 21.02.1978 | 20.03.1978 | 18.04.1978 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |       |      |      |      |
|----------------------------------|-------|------|------|------|-------|------|------|------|
| Temperatur des Wassers           | °C    | 10.2 | 11.4 | 8.4  | 6.7   | 4.5  | 5.8  | 7.2  |
| Temperatur der Luft              | °C    | 8.0  | 4.0  | 4.0  | - 1.0 | 2.0  | 2.0  |      |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |       |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |       |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min |      | 1000 | 1020 | 1020  | 1040 | 1030 | 1040 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |    |   |   |
|---------------------------|--|---|---|---|---|----|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 1 | 0 | 2 | 1 | 5  | 1 | 2 |
| PC-Agar (30 °C) am 3. Tag |  | 8 | 1 | 1 | 0 | 15 | 9 | 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  | 30.2    | 31.9    | 29.9    | 31.1    | 29.7    | 28.5    | 27.4    |
| Karbonathärte                    | °fH  | 27.0    | 29.8    | 27.8    | 27.3    | 26.0    | 26.5    | 24.3    |
| Resthärte                        | °fH  | 3.2     | 2.1     | 2.1     | 3.8     | 3.7     | 2.0     | 3.1     |
| Oxidierbarkeit                   | mg/l | 3.6     | 3.8     | 4.0     | 3.3     | 3.6     | 3.6     | 3.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.04    | 0.03    | 0.02    | 0.03    | 0.03    | 0.03    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 14.0    | 11.5    | 13.0    | 15.0    | 14.5    | 12.5    | 14.5    |
| Chlorid                          | mg/l | 17.0    | 11.1    | 13.5    | 20.7    | 29.1    | 10.6    | 15.2    |
| Phosphat (als P)                 | mg/l | 0.123   | 0.104   | 0.11    | 0.104   | 0.098   | 0.067   | 0.086   |
| 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  | < 0.05  | < 0.05  |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 25.05.1978 | 20.06.1978 | 18.07.1978 | 19.09.1978 | 17.10.1978 | 21.11.1978 | 14.12.1978 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |     |
|----------------------------------|-------|------|------|------|------|------|------|-----|
| Temperatur des Wassers           | °C    | 9.4  | 12.5 | 13.0 | 14.9 | 12.8 | 10.4 | 8.6 |
| Temperatur der Luft              | °C    |      |      |      |      |      |      |     |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |      |      |     |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |     |
| Ergiebigkeit / Pumpmenge         | l/min | 1060 |      |      |      |      |      | 950 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |    |   |   |   |
|---------------------------|--|---|---|---|----|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 2 | 0 | 12 | 9 | 2 | 3 |
| PC-Agar (30 °C) am 3. Tag |  | 3 | 6 | 0 | 4  | 7 | 6 | 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  | 30.3    | 28.6    | 31.0    | 30.3    | 30.3    | 29.8    | 30.0    |
| Karbonathärte                    | °fH  | 29.0    | 26.5    | 29.0    | 28.3    | 27.8    | 26.5    | 27.3    |
| Resthärte                        | °fH  | 1.3     | 2.1     | 2.0     | 2.0     | 2.5     | 3.3     | 2.7     |
| Oxidierbarkeit                   | mg/l | 3.6     | 4.1     | 4.3     | 4.4     | 4.4     | 3.8     | 4.6     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.05    | 0.05    | 0.06    | < 0.02  | 0.06    | 0.03    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 7.5     | 11.0    | 9.5     | 10.0    | 12.5    | 14.5    | 15.0    |
| Chlorid                          | mg/l | 5.3     | 10.9    | 8.5     | 10.2    | 13.0    | 2.0     | 26.1    |
| Phosphat (als P)                 | mg/l | 0.098   | 0.08    | 0.098   | 0.104   | 0.11    | 0.11    | 0.043   |
| 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  | < 0.05  |         |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 23.01.1979 | 20.02.1979 | 20.03.1979 | 24.04.1979 | 17.05.1979 | 24.07.1979 | 21.08.1979 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |     |     |     |     |     |      |      |
|----------------------------------|-------|-----|-----|-----|-----|-----|------|------|
| Temperatur des Wassers           | °C    | 6.1 | 5.6 | 5.9 | 7.3 | 8.1 | 13.7 | 15.5 |
| Temperatur der Luft              | °C    |     |     |     |     |     | 14.9 |      |
| Leitfähigkeit (20 °C)            | µS/cm |     |     |     |     |     |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |     |     |     |     |     |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 980 |     |     |     |     |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |    |    |    |   |   |   |
|---------------------------|--|---|----|----|----|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 2  | 17 | 6  | 2 | 1 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 0 | 13 | 18 | 18 | 4 | 7 | 8 |

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  | 32.0    | 27.1    | 28.2    | 27.5    | 28.4    | 28.4    | 26.9    |
| Karbonathärte                    | °fH  | 27.5    | 24.5    | 26.3    | 25.8    | 26.8    | 25.3    | 23.5    |
| Resthärte                        | °fH  | 4.5     | 2.6     | 1.9     | 1.7     | 1.6     | 3.1     | 3.4     |
| Oxidierbarkeit                   | mg/l | 3.6     | 3.2     | 3.5     | 2.7     | 3.5     | 4.0     | 3.8     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.04    | 0.03    | < 0.02  | 0.04    | 0.04    | 0.03    | 0.03    |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 16.0    | 12.5    | 11.0    | 13.5    | 9.5     | 16.5    | 15.0    |
| Chlorid                          | mg/l | 54.0    | 15.2    | 9.4     | 10.4    | 9.3     | 19.5    | 16.3    |
| Phosphat (als P)                 | mg/l | 0.11    | 0.104   | 0.074   | 0.086   | 0.08    | 0.11    | 0.153   |
| 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  | < 0.05  |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 18.09.1979 | 23.10.1979 | 20.11.1979 | 13.12.1979 | 22.01.1980 | 19.02.1980 | 18.03.1980 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |       |      |
|----------------------------------|-------|------|------|------|------|-----|-------|------|
| Temperatur des Wassers           | °C    | 14.8 | 13.2 | 11.3 | 9.5  | 8.2 | 5.9   | 5.9  |
| Temperatur der Luft              | °C    |      |      |      | 3.0  | 2.0 | - 1.0 | 4.0  |
| Leitfähigkeit (20 °C)            | µS/cm |      |      |      |      |     |       |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |     |       |      |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      | 1090 |     |       | 1010 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |        |   |    |   |   |   |   |   |
|---------------------------|--------|---|----|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |        | 3 | 1  | 9 | 7 | 6 | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |        | 3 | 18 | 0 | 6 | 5 | 0 | 8 |
| 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  | 28.9    | 30.6    | 32.4    | 30.8    | 32.5    | 27.4    | 27.9    |
| Karbonathärte                    | °fH  | 25.3    | 28.0    | 30.0    | 29.0    | 29.5    | 25.0    | 25.0    |
| Resthärte                        | °fH  | 3.6     | 2.6     | 2.4     | 1.8     | 3.0     | 2.4     | 2.9     |
| Oxidierbarkeit                   | mg/l | 3.8     | 4.7     | 4.1     | 3.3     | 3.2     | 3.6     | 3.3     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.11    | 0.04    | 0.06    | 0.05    | 0.05    | 0.03    | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 17.0    | 14.0    | 11.0    | 15.0    | 13.0    | 13.0    | 14.5    |
| Chlorid                          | mg/l | 18.4    | 11.9    | 8.0     | 11.5    | 17.4    | 9.4     | 14.1    |
| Phosphat (als P)                 | mg/l | 0.11    | 0.104   | 0.092   | 0.092   | 0.04    | 0.086   | 0.092   |
| Sulfat                           | mg/l |         |         |         |         |         |         |         |
| Eisen                            | mg/l |         | < 0.02  |         | < 0.02  |         |         |         |
| Mangan                           | mg/l |         | < 0.05  |         | < 0.05  |         |         |         |
| Freie Kohlensäure                | mg/l |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 15.04.1980 | 24.04.1980 | 07.05.1980 | 10.06.1980 | 08.07.1980 | 11.08.1980 | 09.09.1980 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |      |      |      |      |      |
|----------------------------------|-------|------|-----|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 7.0  | 7.4 | 7.8  | 10.2 | 12.1 | 14.0 | 14.8 |
| Temperatur der Luft              | °C    | 16.0 |     | 12.0 | 14.0 | 16.0 | 21.0 | 13.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |     |      |      |      |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |     |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1040 |     | 1020 | 1180 | 1090 | 1000 |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |    |   |   |    |   |   |   |
|---------------------------|--|----|---|---|----|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 5  | 1 | 0 | 49 | 0 | 0 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 19 | 5 | 2 | 92 | 2 | 5 | 3 |

Fäkalkeime

|                  |        |   |   |   |    |   |   |   |
|------------------|--------|---|---|---|----|---|---|---|
| Escherichia coli | 100 ml | 0 | 0 | 0 | 0  | 0 | 0 | 0 |
| Enterokokken     | 100 ml | 0 | 0 | 0 | 12 | 0 | 0 | 0 |

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 27.8    | 27.4    | 29.3    | 29.2    | 31.5    | 29.3    | 28.5    |
| Karbonathärte                    | °fH  | 26.3    | 25.8    | 25.8    | 27.5    | 30.3    | 26.5    | 25.8    |
| Resthärte                        | °fH  | 1.5     | 1.6     | 3.5     | 1.7     | 1.2     | 2.8     | 2.7     |
| Oxidierbarkeit                   | mg/l | 3.3     | 3.0     | 2.8     | 2.5     | 4.4     | 3.2     | 3.2     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | 0.03    | 0.03    | 0.04    | 0.03    | 0.03    | 0.06    | 0.025   |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 12.5    | 12.0    | 12.3    | 9.7     | 9.0     | 13.0    | 14.5    |
| Chlorid                          | mg/l | 8.5     | 9.1     | 7.6     | 8.1     | 6.0     | 12.8    | 14.1    |
| Phosphat (als P)                 | mg/l | 0.086   | 0.067   | 0.067   | 0.074   | 0.092   | 0.098   | 0.083   |
| 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 |         |         |         |         |         |         |         |
| Sauerstoff (gelöst)              | mg/l |         |         |         |         |         |         |         |
| Sauerstoffsättigung              | %    |         |         |         |         |         |         |         |
| pH-Wert                          |      |         |         |         |         |         |         |         |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 09.10.1980 | 10.12.1980 | 20.10.1981 | 11.01.1983 | 06.04.1983 | 17.11.1983 | 10.05.1984 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |       |      |       |      |       |     |
|----------------------------------|-------|------|-------|------|-------|------|-------|-----|
| Temperatur des Wassers           | °C    | 14.3 | 9.4   | 13.8 | 8.5   | 7.0  | 12.5  | 7.9 |
| Temperatur der Luft              | °C    | 7.0  | - 8.0 | 9.0  | - 1.0 | 6.0  | - 3.0 | 9.0 |
| Leitfähigkeit (20 °C)            | µS/cm |      |       |      |       |      |       |     |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |       |      |       |      |       |     |
| Ergiebigkeit / Pumpmenge         | l/min | 830  | 920   | 1080 | 1020  | 1030 | 580   | 600 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |   |   |   |
|---------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 2 | 0 | 5 | 1 | 0 | 1 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 7 | 3 | 7 | 3 | 1 | 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  | 28.7    | 32.7    | 32.4    | 31.1    | 30.2    | 31.8    | 28.6    |
| Karbonathärte                    | °fH  | 24.8    | 29.8    | 30.0    | 27.9    | 27.2    | 27.6    | 24.9    |
| Resthärte                        | °fH  | 3.9     | 2.9     | 2.4     | 3.2     | 3.0     | 4.2     | 3.7     |
| Oxidierbarkeit                   | mg/l | 3.0     | 3.8     | 3.3     | 3.5     | 3.8     | 2.8     | 2.8     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | 0.03    | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Nitrit                           | mg/l | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| Nitrat                           | mg/l | 21.6    | 14.5    | 10.1    | 17.2    | 18.0    | 17.6    | 15.4    |
| Chlorid                          | mg/l | 21.5    | 31.6    | 5.8     | 13.3    | 8.5     | 20.1    | 15.8    |
| Phosphat (als P)                 | mg/l | 0.11    | 0.123   | 0.055   | 0.055   | 0.049   | 0.098   | 0.061   |
| 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  | < 0.05  |
| Freie Kohlensäure                | mg/l |         | 31.0    | 42.0    | 42.2    | 36.1    | 21.0    | 19.1    |
| Sauerstoff (gelöst)              | mg/l |         | 7.77    | 6.35    | 8.78    | 9.2     | 7.5     | 8.5     |
| Sauerstoffsättigung              | %    |         | 72.3    | 64.9    | 79.4    | 79.8    | 74.5    | 76.0    |
| pH-Wert                          |      |         | 7.2     | 7.1     | 7.3     | 7.3     | 7.3     | 7.3     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 15.11.1984 | 28.05.1985 | 16.10.1985 | 28.05.1986 | 22.04.1987 | 28.10.1987 | 14.11.1988 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |      |      |
|----------------------------------|-------|------|------|------|------|-----|------|------|
| Temperatur des Wassers           | °C    | 11.6 | 9.3  | 14.5 | 10.0 | 7.0 | 14.0 | 12.6 |
| Temperatur der Luft              | °C    | 6.0  | 15.0 | 9.0  | 14.0 | 6.0 | 9.5  | 5.0  |
| Leitfähigkeit (20°C)             | µS/cm |      |      |      |      |     |      |      |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |     |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 680  | 850  | 690  | 920  | 900 | 660  | 580  |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |        |   |  |   |   |   |   |   |
|--------------------------|--------|---|--|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |        | 1 |  | 0 | 2 | 0 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |        | 1 |  | 0 | 3 | 3 | 4 | 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                      | °H   | 31.2    | 29.5    | 30.0    | 27.8    | 27.9    | 30.6    | 31.7    |
| Karbonathärte                    | °H   | 27.0    | 26.1    | 24.7    | 25.3    | 25.3    | 27.4    | 27.8    |
| Resthärte                        | °H   | 4.2     | 3.4     | 5.3     | 2.5     | 2.6     | 3.2     | 3.9     |
| Oxidierbarkeit                   | mg/l | 3.5     | 3.3     | 3.2     | 4.1     | 2.8     | 2.7     | 1.9     |
| 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 | 22.1    | 17.3    | 23.8    | 14.1    | 16.4    | 17.7    | 16.4    |
| Chlorid                          | mg/l | 20.3    | 12.5    | 23.6    | 11.0    | 9.4     | 16.0    | 16.7    |
| Phosphat (als P)                 | mg/l | < 0.006 | 0.074   | 0.104   | 0.058   | 0.058   | 0.046   | 0.046   |
| 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  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Freie Kohlensäure                | mg/l | 22.5    | 25.3    | 24.7    | 22.5    | 26.4    | 28.8    | 30.3    |
| Sauerstoff (gelöst)              | mg/l | 7.07    | 7.24    | 7.01    | 7.55    | 8.94    | 6.89    | 7.52    |
| Sauerstoffsättigung              | %    | 69.2    | 66.8    | 72.9    | 70.8    | 77.9    | 70.8    | 74.9    |
| pH-Wert                          |      | 7.15    | 7.15    | 7.15    | 7.15    | 7.2     | 7.2     | 7.1     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 14.02.1989 | 25.10.1989 | 29.08.1990 | 27.02.1991 | 13.05.1992 | 12.08.1992 | 05.05.1993 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |     |      |      |     |      |      |      |
|----------------------------------|-------|-----|------|------|-----|------|------|------|
| Temperatur des Wassers           | °C    | 7.7 | 13.1 | 15.4 | 6.7 | 9.0  | 15.6 | 9.0  |
| Temperatur der Luft              | °C    | 3.0 | 9.0  | 19.0 | 2.0 | 12.0 | 15.0 | 12.0 |
| Leitfähigkeit (20 °C)            | µS/cm | 550 |      | 531  | 569 |      | 492  | 487  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |     |      |      |     |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 400 | 700  | 600  | 500 | 830  | 720  | 680  |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |  |   |   |
|---------------------------|--|---|---|---|---|--|---|---|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 0 | 0 | 0 |  | 1 | 0 |
| PC-Agar (30 °C) am 3. Tag |  | 0 | 0 | 0 | 1 |  | 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  | 31.6    | 31.5    | 28.2    | 29.8    | 27.9    | 26.4    | 27.8    |
| Karbonathärte                    | °fH  | 28.4    | 29.2    | 24.6    | 25.5    | 24.8    | 23.3    | 24.4    |
| Resthärte                        | °fH  | 3.2     | 2.3     | 3.6     | 4.3     | 3.1     | 3.1     | 3.4     |
| Oxidierbarkeit                   | mg/l | 2.1     | 3.3     | 3.2     | 2.8     | 3.6     | 2.4     | 3.2     |
| 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 | 16.8    | 12.4    | 13.3    | 21.3    | 13.3    | 17.2    | 22.4    |
| Chlorid                          | mg/l | 15.7    | 9.9     | 20.4    | 31.0    | 11.9    | 15.4    | 16.8    |
| Phosphat (als P)                 | mg/l | 0.049   | 0.049   | 0.052   | 0.04    | 0.04    | 0.021   | 0.04    |
| Sulfat                           | mg/l | 20.0    |         | 21.0    | 13.5    |         | 20.1    | 19.3    |
| Eisen                            | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Mangan                           | mg/l | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  | < 0.02  |
| Freie Kohlensäure                | mg/l | 19.0    | 42.8    | 22.6    | 27.3    | 23.7    | 29.0    | 24.5    |
| Sauerstoff (gelöst)              | mg/l | 9.88    | 7.76    | 6.59    | 9.08    | 7.75    | 7.01    | 8.12    |
| Sauerstoffsättigung              | %    | 87.6    | 78.2    | 69.8    | 78.5    | 70.9    | 74.6    | 74.2    |
| pH-Wert                          |      | 7.2     | 7.1     | 7.1     | 7.1     | 7.2     | 7.1     | 7.2     |

**WEITERE METALLE**

|             |      |       |  |       |       |  |       |       |
|-------------|------|-------|--|-------|-------|--|-------|-------|
| Strontium   | µg/l | 220   |  | 180   | 200   |  | 250   | 110   |
| Zink        | µg/l | 30    |  | 30    | 30    |  | < 20  | 20    |
| Cadmium     | µg/l | < 0.2 |  | < 0.2 | < 0.2 |  | < 0.2 | < 0.2 |
| Quecksilber | µg/l | < 0.2 |  | < 0.2 | < 0.2 |  | < 0.2 | < 0.2 |
| Blei        | µg/l | < 2   |  | < 2   | < 2   |  | < 2   | < 2   |

| DATUM DER PROBENAHME | 24.05.1994 | 01.11.1994 | 04.04.1995 | 01.11.1995 | 23.04.1996 | 31.10.1996 | 16.04.1997 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 11.0 | 13.5 | 7.4  | 13.8 | 7.4  | 12.6 | 7.9  |
| Temperatur der Luft              | °C    | 15.0 | 11.0 | 6.5  | 12.0 | 19.0 |      | 3.0  |
| Leitfähigkeit (20°C)             | µS/cm |      | 556  | 492  |      |      | 564  | 508  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1060 | 740  | 1000 | 660  | 690  | 1100 | 1105 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |  | 2 | 0 | 1 | 0 | 1 | 2 | 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                      | °H   | 32.8    | 31.7    | 28.6    | 30.3    | 27.9    | 32.8    | 27.3    |
| Karbonathärte                    | °H   | 30.9    | 29.1    | 27.0    | 26.3    | 24.8    | 30.0    | 23.4    |
| Resthärte                        | °H   | 1.9     | 2.6     | 1.6     | 4.0     | 3.1     | 2.8     | 3.9     |
| Oxidierbarkeit                   | mg/l | 2.7     | 3.6     | 3.5     | 2.5     | 2.5     | 3.5     | 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 | 7.8     | 17.0    | 10.9    | 26.5    | 17.9    | 12.1    | 21.4    |
| Chlorid                          | mg/l | 5.1     | 10.9    | 8.3     | 19.0    | 14.5    | 7.8     | 15.9    |
| Phosphat (als P)                 | mg/l | 0.04    | 0.037   | 0.034   | 0.043   | 0.037   | 0.046   | 0.047   |
| Sulfat                           | mg/l | 7.9     | 15.9    | 9.0     | 21.7    | 15.0    | 11.4    | 17.0    |
| 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 | 57.7    | 52.3    | 35.7    | 36.0    | 19.0    | 40.9    | 14.9    |
| Sauerstoff (gelöst)              | mg/l | 8.55    | 7.81    | 9.52    | 7.49    | 9.44    | 6.74    | 8.47    |
| Sauerstoffsättigung              | %    | 82.1    | 79.4    | 83.7    | 81.2    | 83.0    | 67.1    | 75.4    |
| pH-Wert                          |      | 7.1     | 7.15    | 7.2     | 7.15    | 7.25    | 7.1     | 7.45    |

**WEITERE METALLE**

|             |      |       |
|-------------|------|-------|
| Strontium   | µg/l | 190   |
| Zink        | µg/l | < 20  |
| Cadmium     | µg/l | < 0.2 |
| Quecksilber | µg/l | < 0.2 |
| Blei        | µg/l | < 2   |

| DATUM DER PROBENAHME | 05.11.1997 | 26.05.1998 | 21.10.1998 | 10.05.1999 | 15.11.1999 | 24.05.2000 | 06.11.2000 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |      |      |      |
|----------------------------------|-------|------|------|------|------|------|------|------|
| Temperatur des Wassers           | °C    | 13.3 | 10.4 | 13.6 | 9.1  | 13.2 | 11.2 | 13.0 |
| Temperatur der Luft              | °C    | 6.0  | 16.0 | 5.0  | 16.0 | 5.0  | 16.0 | 15.0 |
| Leitfähigkeit (20°C)             | µS/cm |      |      | 505  | 486  |      |      | 493  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |      |      |      |
| Ergiebigkeit / Pumpmenge         | l/min | 1090 | 1085 | 1060 | 850  | 1025 | 1064 | 1030 |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|---|
| PC-Agar (20°C) am 3. Tag |  | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| PC-Agar (30°C) am 3. Tag |  | 0 | 0 | 3 | 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                      | °H   | 31.5    | 30.3    | 28.3    | 27.6    | 32.0    | 25.9    | 27.4    |
| Karbonathärte                    | °H   | 28.0    | 26.7    | 26.3    | 25.4    | 30.3    | 22.8    | 26.3    |
| Resthärte                        | °H   | 3.5     | 3.6     | 2.0     | 2.2     | 1.7     | 3.1     | 1.1     |
| Oxidierbarkeit                   | mg/l | 3.2     | 2.4     | 3.0     | 2.8     | 3.2     | 2.8     | 3.2     |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         |         |         |
| Ammonium                         | mg/l | < 0.02  | < 0.01  | 0.01    | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.005 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 21.0    | 23.5    | 13.5    | 13.0    | 11.0    | 18.5    | 10.5    |
| Chlorid                          | mg/l | 14.6    | 15.0    | 8.0     | 10.0    | 6.5     | 15.0    | 6.5     |
| Phosphat (als P)                 | mg/l | 0.047   | 0.043   | 0.052   | 0.041   | 0.04    | 0.042   | 0.047   |
| Sulfat                           | mg/l | 17.9    | 17.0    | 11.5    | 10.5    | 10.0    | 14.5    | 8.5     |
| Eisen                            | mg/l | < 0.02  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Mangan                           | mg/l | < 0.02  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Freie Kohlensäure                | mg/l | 36.3    | 27.0    | 22.0    | 19.0    | 40.0    | 21.0    | 26.0    |
| Sauerstoff (gelöst)              | mg/l | 6.85    | 7.15    | 6.75    | 7.7     | 7.55    | 6.25    | 7.25    |
| Sauerstoffsättigung              | %    | 69.3    | 68.0    | 69.0    | 71.0    | 76.0    | 60.0    | 73.0    |
| pH-Wert                          |      | 7.08    | 6.86    | 7.3     | 7.34    | 7.15    | 7.28    | 7.15    |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 06.06.2001 | 24.09.2001 | 03.06.2002 | 31.10.2002 | 15.05.2003 | 13.10.2004 | 18.05.2005 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |      |     |      |      |
|----------------------------------|-------|------|------|------|------|-----|------|------|
| Temperatur des Wassers           | °C    | 11.5 | 14.6 | 11.1 | 12.8 | 9.9 | 14.6 | 10.3 |
| Temperatur der Luft              | °C    | 12.0 | 13.0 | 19.4 | 8.0  | 8.0 | 8.0  | 11.0 |
| Leitfähigkeit (20°C)             | µS/cm | 538  |      |      | 499  | 480 | 546  | 486  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   |      |      |      |      |     | 3.6  | 3.7  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |      |     |      |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                          |  |   |    |   |   |   |    |   |
|--------------------------|--|---|----|---|---|---|----|---|
| PC-Agar (20°C) am 3. Tag |  | 0 | 7  | 0 | 1 | 2 | 7  | 5 |
| PC-Agar (30°C) am 3. Tag |  | 1 | 19 | 1 | 1 | 3 | 28 | 9 |

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                      | °H   | 30.3    | 32.8    | 30.8    | 28.3    | 25.2    | 31.2    | 27.1    |
| Karbonathärte                    | °H   | 28.5    | 31.8    | 29.3    | 26.8    | 22.7    | 29.5    | 24.5    |
| Resthärte                        | °H   | 1.8     | 1.0     | 1.5     | 1.5     | 2.5     | 1.7     | 2.6     |
| Oxidierbarkeit                   | mg/l | 2.8     | 3.5     | 3.6     | 1.8     | 3.3     | 3.3     |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l |         |         |         |         |         | 1.4     | 1.4     |
| 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 | 10.0    | 5.5     | 8.0     | 10.0    | 16.0    | 12.5    | 16.5    |
| Chlorid                          | mg/l | 8.0     | 3.5     | 6.0     | 4.5     | 15.0    | 7.5     | 13.5    |
| Phosphat (als P)                 | mg/l | 0.037   | 0.046   | 0.036   | 0.041   | 0.039   | 0.033   | 0.041   |
| Sulfat                           | mg/l | 10.0    | 6.0     | 7.0     | 7.5     | 11.5    | 9.0     | 9.0     |
| 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  | 0.02    |
| Freie Kohlensäure                | mg/l | 31.0    | 42.0    | 33.0    | 22.0    | 11.0    | 40.0    | 22.0    |
| Sauerstoff (gelöst)              | mg/l | 6.25    | 7.45    | 6.95    | 7.75    | 7.2     | 4.7     | 6.75    |
| Sauerstoffsättigung              | %    | 60.0    | 77.0    | 67.0    | 78.0    | 68.0    | 49.0    | 64.0    |
| pH-Wert                          |      | 7.1     | 7.0     | 7.1     | 7.15    | 7.35    | 7.05    | 7.3     |

**WEITERE METALLE**

|             |      |  |  |  |  |  |       |  |
|-------------|------|--|--|--|--|--|-------|--|
| Strontium   | µg/l |  |  |  |  |  | 227   |  |
| Zink        | µg/l |  |  |  |  |  | 11    |  |
| Cadmium     | µg/l |  |  |  |  |  | < 0.2 |  |
| Quecksilber | µg/l |  |  |  |  |  | < 0.2 |  |
| Blei        | µg/l |  |  |  |  |  | 3     |  |

| DATUM DER PROBENAHME | 14.11.2006 | 26.04.2007 | 19.11.2008 | 30.04.2009 | 07.09.2010 | 31.03.2011 | 24.09.2012 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |      |      |     |      |     |      |
|----------------------------------|-------|------|------|------|-----|------|-----|------|
| Temperatur des Wassers           | °C    | 13.2 | 9.0  | 11.9 | 8.1 | 14.6 | 6.7 | 15.5 |
| Temperatur der Luft              | °C    | 9.0  | 15.0 | 6.0  | 7.0 | 13.0 |     |      |
| Leitfähigkeit (20 °C)            | µS/cm | 553  | 499  | 530  | 489 | 532  | 492 | 563  |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 3.2  | 3.3  | 3.9  | 3.1 | 4.1  | 3.4 | 3.9  |
| Ergiebigkeit / Pumpmenge         | l/min |      |      |      |     |      |     |      |

**BAKTERIOLOGIE**

Aerobe mesophile Keime pro 1 ml

|                           |  |   |   |   |   |    |   |    |
|---------------------------|--|---|---|---|---|----|---|----|
| PC-Agar (20 °C) am 3. Tag |  | 0 | 9 | 2 | 2 | 12 | 5 |    |
| PC-Agar (30 °C) am 3. Tag |  | 3 | 6 | 3 | 4 | 11 | 6 | 11 |

Fäkalkeime

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

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 29.0    | 26.0    | 28.9    | 25.1    | 31.1    | 27.0    | 32.4    |
| Karbonathärte                    | °fH  | 26.5    | 21.5    | 26.1    | 22.2    | 29.6    | 24.5    | 31.3    |
| Resthärte                        | °fH  | 2.5     | 4.5     | 2.8     | 2.9     | 1.5     | 2.5     | 1.1     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 1.7     | 1.3     | 1.3     | 1.3     | 1.6     | 1.2     | 1.5     |
| 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 | 25.0    | 30.5    | 23.0    | 23.0    | 10.5    | 20.5    | 12.5    |
| Chlorid                          | mg/l | 21.0    | 22.0    | 15.5    | 20.5    | 9.0     | 20.0    | 9.5     |
| Phosphat (als P)                 | mg/l | 0.035   | 0.04    | 0.034   | 0.035   | 0.041   | 0.038   | 0.039   |
| Sulfat                           | mg/l | 17.0    | 17.5    | 13.5    | 12.5    | 8.0     | 11.0    | 8.0     |
| 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 | 18.0    | 14.0    | 21.0    | 13.0    | 37.0    | 10.0    | 33.0    |
| Sauerstoff (gelöst)              | mg/l | 6.4     | 5.95    | 6.8     | 6.75    | 4.6     | 8.3     | 6.1     |
| Sauerstoffsättigung              | %    | 65.0    | 54.0    | 67.0    | 60.0    | 48.0    | 72.0    | 65.0    |
| pH-Wert                          |      | 7.4     | 7.7     | 7.45    | 7.45    | 7.3     | 7.65    | 7.25    |

**WEITERE METALLE**

|             |      |  |  |  |  |       |  |  |
|-------------|------|--|--|--|--|-------|--|--|
| Strontium   | µg/l |  |  |  |  | 220   |  |  |
| Zink        | µg/l |  |  |  |  | 5     |  |  |
| Cadmium     | µg/l |  |  |  |  | < 0.2 |  |  |
| Quecksilber | µg/l |  |  |  |  | < 0.2 |  |  |
| Blei        | µg/l |  |  |  |  | 1     |  |  |

| DATUM DER PROBENAHME | 14.03.2013 | 07.10.2014 | 28.04.2015 | 18.10.2016 | 30.03.2017 | 15.11.2018 | 24.04.2019 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|
|----------------------|------------|------------|------------|------------|------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |     |      |     |      |     |      |     |
|----------------------------------|-------|-----|------|-----|------|-----|------|-----|
| Temperatur des Wassers           | °C    | 6.2 | 14.6 | 8.5 | 14.1 | 7.8 | 13.2 | 8.4 |
| Temperatur der Luft              | °C    |     |      |     |      |     |      |     |
| Leitfähigkeit (20°C)             | µS/cm | 500 | 481  | 505 | 555  | 572 | 624  | 503 |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 3.1 | 4.3  | 3.3 | 3.5  | 3.3 | 3.7  | 3.4 |
| 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

Fäkalkeime

Escherichia coli

Enterokokken

100 ml

100 ml

1

6

2

40

0

0

6

0

5

0

0

2

0

0

0

1

0

0

1

0

0

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |         |         |         |         |         |
|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|
| Gesamthärte                      | °fH  | 26.4    | 26.2    | 27.8    | 27.0    | 28.4    | 29.7    | 24.9    |
| Karbonathärte                    | °fH  | 25.0    | 24.5    | 25.4    | 22.2    | 25.8    | 22.5    | 21.1    |
| Resthärte                        | °fH  | 1.4     | 1.7     | 2.4     | 4.8     | 2.6     | 7.2     | 3.8     |
| Oxidierbarkeit                   | mg/l |         |         |         |         |         |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 1.1     | 1.5     | 1.1     | 0.9     | 0.8     | 1.3     | 1.3     |
| 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 | 12.8    | 17.9    | 16.9    | 37.5    | 17.9    | 46.6    | 28.8    |
| Chlorid                          | mg/l | 21.0    | 14.9    | 19.8    | 33.4    | 19.9    | 43.8    | 30.8    |
| Phosphat (als P)                 | mg/l | 0.036   | 0.014   | 0.036   | 0.04    | 0.032   | 0.035   | 0.036   |
| Sulfat                           | mg/l | 6.7     | 10.6    | 10.3    | 23.5    | 10.8    | 31.0    | 15.7    |
| Eisen                            | mg/l | < 0.01  |         |         |         |         |         |         |
| Mangan                           | mg/l | 0.01    |         |         |         |         |         |         |
| Freie Kohlensäure                | mg/l | 7.0     | 12.0    | 14.0    | 16.0    | 21.0    | 21.0    | 9.0     |
| Sauerstoff (gelöst)              | mg/l | 9.45    | 5.7     | 6.65    | 6.05    | 8.45    | 6.2     | 7.05    |
| Sauerstoffsättigung              | %    | 81.0    | 59.0    | 60.0    | 62.0    | 75.0    | 63.0    | 64.0    |
| pH-Wert                          |      | 7.8     | 7.6     | 7.5     | 7.4     | 7.6     | 7.35    | 7.8     |

**WEITERE METALLE**

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

| DATUM DER PROBENAHME | 05.11.2020 | 12.04.2021 |
|----------------------|------------|------------|
|----------------------|------------|------------|

**PHYSIKALISCHE PARAMETER**

|                                  |       |      |     |
|----------------------------------|-------|------|-----|
| Temperatur des Wassers           | °C    | 13.5 | 7.6 |
| Temperatur der Luft              | °C    |      |     |
| Leitfähigkeit (20 °C)            | µS/cm | 579  | 550 |
| Spektr. Absorptionskoeff. 254 nm | 1/m   | 3.8  | 2.9 |
| 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 6

Fäkalkeime

Escherichia coli 100 ml 0

Enterokokken 100 ml 0

**CHEMISCHE HAUPT- UND NEBENPARAMETER**

|                                  |      |         |         |
|----------------------------------|------|---------|---------|
| Gesamthärte                      | °H   | 33.6    | 29.4    |
| Karbonathärte                    | °H   | 32.3    | 26.6    |
| Resthärte                        | °H   | 1.3     | 2.8     |
| Oxidierbarkeit                   | mg/l |         |         |
| Totaler organ. Kohlenstoff (TOC) | mg/l | 1.9     | 1.4     |
| Ammonium                         | mg/l | < 0.01  | < 0.01  |
| Nitrit                           | mg/l | < 0.002 | < 0.002 |
| Nitrat                           | mg/l | 13.9    | 19.9    |
| Chlorid                          | mg/l | 9.5     | 24.1    |
| Phosphat (als P)                 | mg/l | 0.038   | 0.031   |
| Sulfat                           | mg/l | 8.6     | 9.4     |
| Eisen                            | mg/l |         |         |
| Mangan                           | mg/l |         |         |
| Freie Kohlensäure                | mg/l | 35.0    | 22.0    |
| Sauerstoff (gelöst)              | mg/l | 5.4     | 8.2     |
| Sauerstoffsättigung              | %    | 55.0    | 72.0    |
| pH-Wert                          |      | 7.1     | 7.4     |

**WEITERE METALLE**

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