

Beurteilungswerte für Grundwasser bzw. Trinkwasser

| | Indikatorwert Grundwasser BUWAL | GschV Anforderungs- wert | Erfahrungs- wert SLMB | Toleranzwert HyV | Toleranzwert FIV | Grenzwert FIV | |
|---|---------------------------------------|--------------------------------|--------------------------------------|---------------------|---------------------|------------------|------|
| PHYSIKALISCHE PARAMETER | | | | | | | |
| Temperatur des Wassers °C | | | 8-15 | | | | |
| Temperatur der Luft °C | | | | | | | |
| Leitfähigkeit (20°C) µS/cm | | | 200-800 | | | | |
| Spektr. Absorptionskoeff. 254 nm 1/m | | | | | | | |
| Ergiebigkeit / Pumpmenge l/min | | | | | | | |
| BAKTERIOLOGIE | | | | | | | |
| Aerobe mesophile Keime pro 1 ml | | | | | | | |
| PC-Agar (20°C) am 3. Tag | | | | 100 | | | |
| PC-Agar (30°C) am 3. Tag | | | | 100 | | | |
| Fäkalkeime | | | | | | | |
| Escherichia coli 100 ml | | | | nn | | | |
| Enterokokken 100 ml | | | | nn | | | |
| CHEMISCHE HAUPT- UND NEBENPARAMETER | | | | | | | |
| Gesamthärte °fH | | | | | | | |
| Karbonathärte °fH | | | | | | | |
| Resthärte °fH | | | | | | | |
| Oxidierbarkeit mg/l | | | < 3 | | | | |
| Totaler organ. Kohlenstoff (TOC) mg/l | | | | | | | |
| Ammonium mg/l | | 0.1 | < 0.05 | | 0.1 | | |
| Nitrit mg/l | | | < 0.01 | | 0.1 | | |
| Nitrat mg/l | < 25 | 25 | < 25 | | 40 | | |
| Chlorid mg/l | < 40 | 40 | < 20 | | | | |
| Phosphat (als P) mg/l | | | < 0.05 | | | | |
| Sulfat mg/l | < 40 | 40 | < 50 | | | | |
| Eisen mg/l | | | < 0.05 | | 0.3 | | |
| Mangan mg/l | | | < 0.02 | | 0.05 | | |
| Freie Kohlensäure mg/l | | | | | | | |
| Sauerstoff (gelöst) mg/l | | | | | | | |
| Sauerstoffsättigung % | > 20 | | | | | | |
| pH-Wert | | | 6.8-8.2 | | | | |
| WEITERE METALLE | | | | | | | |
| Strontium µg/l | | | | | | | |
| Zink µg/l | < 5 | | < 100 | | 5000 | | |
| Cadmium µg/l | < 0.05 | | < 0.5 | | | 5 | |
| Quecksilber µg/l | < 0.01 | | < 0.1 | | | 1 | |
| Blei µg/l | < 1 | | < 1 | | | 10 | |
| FLÜCHTIGE HALOGENIERTE KOHLENWASSERSTOFFE (FHKW) | | | | | | | |
| Dichlordifluormethan (Freon 12) µg/l | } einzeln < 1 µg/l | } einzeln 1 µg/l | } einzeln < 0.1 µg/l als Cl | | | | |
| Trichlorfluormethan (Freon 11) µg/l | | | | | | | |
| Dichlormethan (Methylenchlorid) µg/l | | | | | | | 20 |
| 1,1-Dichlorethan µg/l | | | | | | | |
| cis-1,2-Dichlorethen µg/l | | | | | | | |
| Trichlormethan (Chloroform) µg/l | | | | | | | 40 |
| 1,1,1-Trichlorethan µg/l | | | | | | | 2000 |
| Tetrachlorkohlenstoff µg/l | | | | | | | 2 |
| Trichlorethen (TRI) µg/l | | | | | | | 70 |
| Tetrachlorethen (PER) µg/l | | | | | | | 40 |
| Dibromchlormethan µg/l | | | | | | | 100 |
| Bromoform µg/l | | | | | | | |
| FHKW, Summe µg/l | | | | | | | 8 |
| WEITERE ORGANISCHE VERBINDUNGEN | | | | | | | |
| Toluol µg/l | < 1 | | 0.1 | | 1 | | |
| m/p-Xylol (MAKW) µg/l | < 1 | | 0.1 | | 1 | | |
| 1,3,5-Trimethylbenzol µg/l | | | | | | | |
| Methyl-tert-Buthylether (MTBE) µg/l | < 2 | | | | | | |
| Pestizide inkl. Metabolite, Summe µg/l | < 0.5 | | nn | | 0.5 | | |