<table>
<thead>
<tr>
<th>Stoffe/Kennwerte</th>
<th>Maßeinheit</th>
<th>Grenzwert*</th>
<th>Mittelwert 2019</th>
<th>Min.</th>
<th>Max.</th>
<th>Analytische Bestimmungsgrenze</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Allgemeine Parameter</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperatur</td>
<td>°C</td>
<td>-</td>
<td>11,3</td>
<td>9,4</td>
<td>12,4</td>
<td>-</td>
</tr>
<tr>
<td>Leitfähigkeit bei 25 °C</td>
<td>µS/cm</td>
<td>2790</td>
<td>500,0</td>
<td>460</td>
<td>540</td>
<td>5</td>
</tr>
<tr>
<td>pH-Wert</td>
<td>-</td>
<td>6,5 - 9,5</td>
<td>7,6</td>
<td>7,5</td>
<td>7,6</td>
<td>-</td>
</tr>
<tr>
<td>Färbung (SAK 436 nm)</td>
<td>1/m</td>
<td>0,5</td>
<td>0,3</td>
<td>0,2</td>
<td>0,4</td>
<td>0,1</td>
</tr>
<tr>
<td>Trübung</td>
<td>NTU</td>
<td>1,0</td>
<td>0,1</td>
<td>0,08</td>
<td>0,17</td>
<td>0,02</td>
</tr>
<tr>
<td>TOC</td>
<td>mg/l</td>
<td>-</td>
<td>2,8</td>
<td>2,2</td>
<td>3,1</td>
<td>0,1</td>
</tr>
<tr>
<td>Sauerstoff</td>
<td>mg/l</td>
<td>-</td>
<td>9,4</td>
<td>8,6</td>
<td>10,0</td>
<td>0,1</td>
</tr>
<tr>
<td>Gesamthärte</td>
<td>°dH</td>
<td>-</td>
<td>11,8</td>
<td>10,9</td>
<td>12,7</td>
<td>0,1</td>
</tr>
<tr>
<td>Karbonathärte</td>
<td>°dH</td>
<td>-</td>
<td>9,7</td>
<td>9,1</td>
<td>10,0</td>
<td>0,1</td>
</tr>
<tr>
<td>Basenkapazität (KB 8,2)</td>
<td>mmol/l</td>
<td>-</td>
<td>0,2</td>
<td>0,14</td>
<td>0,22</td>
<td>0,01</td>
</tr>
<tr>
<td>Säurekapazität (KS 4,3)</td>
<td>mmol/l</td>
<td>-</td>
<td>3,4</td>
<td>3,2</td>
<td>3,6</td>
<td>0,04</td>
</tr>
<tr>
<td><strong>Kationen</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td>mg/l</td>
<td>-</td>
<td>74</td>
<td>68</td>
<td>80</td>
<td>2</td>
</tr>
<tr>
<td>Magnesium</td>
<td>mg/l</td>
<td>-</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>Natrium</td>
<td>mg/l</td>
<td>200</td>
<td>21</td>
<td>19</td>
<td>23</td>
<td>0,5</td>
</tr>
<tr>
<td>Kalium</td>
<td>mg/l</td>
<td>-</td>
<td>2,7</td>
<td>2,4</td>
<td>3,0</td>
<td>0,5</td>
</tr>
<tr>
<td>Eisen</td>
<td>mg/l</td>
<td>0,200</td>
<td>0,02</td>
<td>0,01</td>
<td>0,03</td>
<td>0,01</td>
</tr>
<tr>
<td>Mangan</td>
<td>mg/l</td>
<td>0,050</td>
<td>0,050</td>
<td>0,005</td>
<td>0,005</td>
<td>0,005</td>
</tr>
<tr>
<td>Ammonium</td>
<td>mg/l</td>
<td>0,50</td>
<td>0,050</td>
<td>0,005</td>
<td>0,005</td>
<td>0,005</td>
</tr>
<tr>
<td><strong>Anionen</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chlorid</td>
<td>mg/l</td>
<td>250</td>
<td>35</td>
<td>31</td>
<td>40</td>
<td>1</td>
</tr>
<tr>
<td>Cyanid</td>
<td>mg/l</td>
<td>0,050</td>
<td>0,004</td>
<td>&lt; 0,004</td>
<td>&lt; 0,004</td>
<td>0,004</td>
</tr>
<tr>
<td>Sulfat</td>
<td>mg/l</td>
<td>250</td>
<td>38</td>
<td>31</td>
<td>45</td>
<td>1</td>
</tr>
<tr>
<td>Nitrat</td>
<td>mg/l</td>
<td>50</td>
<td>1,5</td>
<td>1,3</td>
<td>1,8</td>
<td>0,2</td>
</tr>
<tr>
<td>Nitrit</td>
<td>mg/l</td>
<td>0,10</td>
<td>0,01</td>
<td>&lt; 0,01</td>
<td>&lt; 0,01</td>
<td>0,01</td>
</tr>
<tr>
<td>Fluorid</td>
<td>mg/l</td>
<td>1,5</td>
<td>0,16</td>
<td>0,15</td>
<td>0,17</td>
<td>0,01</td>
</tr>
<tr>
<td>Bromat</td>
<td>mg/l</td>
<td>0,010</td>
<td>0,003</td>
<td>&lt; 0,003</td>
<td>&lt; 0,003</td>
<td>0,003</td>
</tr>
<tr>
<td><strong>Anorganische Spurenelemente</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium</td>
<td>mg/l</td>
<td>0,200</td>
<td>&lt; 0,01</td>
<td>&lt; 0,01</td>
<td>&lt; 0,01</td>
<td>0,01</td>
</tr>
<tr>
<td>Antimon</td>
<td>mg/l</td>
<td>0,0050</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>0,0001</td>
</tr>
<tr>
<td>Arsen</td>
<td>mg/l</td>
<td>0,010</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>0,0005</td>
</tr>
<tr>
<td>Blei</td>
<td>mg/l</td>
<td>0,010</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>0,001</td>
</tr>
<tr>
<td>Bor</td>
<td>mg/l</td>
<td>1,0</td>
<td>&lt; 0,05</td>
<td>&lt; 0,05</td>
<td>0,05</td>
<td>0,05</td>
</tr>
<tr>
<td>Cadmium</td>
<td>mg/l</td>
<td>0,0030</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>0,0001</td>
</tr>
<tr>
<td>Chrom</td>
<td>mg/l</td>
<td>0,050</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>0,0005</td>
</tr>
<tr>
<td>Kupfer</td>
<td>mg/l</td>
<td>2,0</td>
<td>&lt; 0,05</td>
<td>&lt; 0,05</td>
<td>&lt; 0,05</td>
<td>0,05</td>
</tr>
<tr>
<td>Nickel</td>
<td>mg/l</td>
<td>0,020</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>0,001</td>
</tr>
<tr>
<td>Quecksilber</td>
<td>mg/l</td>
<td>0,0010</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>0,0001</td>
</tr>
<tr>
<td>Selen</td>
<td>mg/l</td>
<td>0,010</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>&lt; 0,001</td>
<td>0,001</td>
</tr>
<tr>
<td>Uran</td>
<td>mg/l</td>
<td>0,010</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>0,0001</td>
</tr>
<tr>
<td>Zink</td>
<td>mg/l</td>
<td>-</td>
<td>&lt; 0,01</td>
<td>&lt; 0,01</td>
<td>&lt; 0,01</td>
<td>0,01</td>
</tr>
<tr>
<td><strong>Organische Spurenstoffe</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzo(a)pyren</td>
<td>mg/l</td>
<td>0,00010</td>
<td>&lt; 0,00003</td>
<td>&lt; 0,00003</td>
<td>&lt; 0,00003</td>
<td>0,00003</td>
</tr>
<tr>
<td>Benzol</td>
<td>mg/l</td>
<td>0,0010</td>
<td>&lt; 0,0003</td>
<td>&lt; 0,0003</td>
<td>&lt; 0,0003</td>
<td>0,0003</td>
</tr>
<tr>
<td>1,2-Dichlorethan</td>
<td>mg/l</td>
<td>0,0030</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>&lt; 0,0005</td>
<td>0,0005</td>
</tr>
<tr>
<td>Summe Tri-/Tetrachlorethenen</td>
<td>mg/l</td>
<td>0,010</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>&lt; 0,0001</td>
<td>0,0001</td>
</tr>
<tr>
<td>Summe Trihalogenmethane</td>
<td>mg/l</td>
<td>0,050</td>
<td>0,002</td>
<td>0,002</td>
<td>0,003</td>
<td>0,003</td>
</tr>
<tr>
<td>Summe PAK</td>
<td>mg/l</td>
<td>0,00010</td>
<td>&lt; 0,00001</td>
<td>&lt; 0,00001</td>
<td>&lt; 0,00001</td>
<td>0,00001</td>
</tr>
<tr>
<td>Summe Pflanzenbehandlungsmittel</td>
<td>mg/l</td>
<td>0,00050</td>
<td>0,00005</td>
<td>0,00005</td>
<td>0,00005</td>
<td>0,00005</td>
</tr>
<tr>
<td>** Mikrobiologische Parameter**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clostridium perfringens</td>
<td>/ 100 ml</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Coliforme Bakterien</td>
<td>/ 100 ml</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Enterokokken</td>
<td>/ 100 ml</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Escherichia coli (E. coli)</td>
<td>/ 100 ml</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Koloniezahl 20 °C</td>
<td>/ml</td>
<td>20</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Koloniezahl 36 °C</td>
<td>/ml</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

** Aufbereitungsstoffe***

* nach Trinkwasserverordnung in der Fassung vom 03.01.2018
** nach Wasch- und Reinigungsmittelgesetz vom 29.04.2007
*** gemäß § 17 der Trinkwasserverordnung in der Fassung vom 03.01.2018

* Die Grenzwerte für Radioaktivitätsparameter gemäß Trinkwasserverordnung werden uneingeschränkt eingehalten.

Hamburger Wasserwerke
Billhorner Deich 2 · 20539 Hamburg
Labor-Telefon: 040/7888-82512

Hamburg Wasser

Die Grenzwerte für Radioaktivitätsparameter gemäß Trinkwasserverordnung werden uneingeschränkt eingehalten.