

Käyttötarkkailu Messukylän pohjavesilaitoksella 2022

|                                      |           | Raakavesi |          |         |         | Käsitelty vesi |                      |       |       |
|--------------------------------------|-----------|-----------|----------|---------|---------|----------------|----------------------|-------|-------|
|                                      |           | kpl       | ka       | max     | min     | kpl            | ka                   | max   | min   |
| Lämpötila                            | °C        | 46        | 7.2      | 8.3     | 6.5     | 216            | 7.4                  | 11.2  | 4.6   |
| pH-luku                              |           | 46        | 6.6      | 6.9     | 6.4     | 216            | 7.9                  | 8.2   | 7.6   |
| Sameus                               | NTU       | 46        | 0.57     | 3.54    | 0.08    | 49             | 0.09                 | 0.32  | 0.05  |
| Alkaliteetti                         | mmol/l    | 3         | 1.40     | 1.5     | 1.4     | 6              | 1.50                 | 2.2   | 1.3   |
| Org. kokonaishiili                   | mg/l      | 46        | 0.93     | 1.2     | 0.81    | 47             | 0.91                 | 1.5   | 0.65  |
| Rauta, Fe                            | mg/l      | 46        | 0.55     | 0.74    | 0.33    | 47             | 0.02                 | 0.08  | <0.02 |
| Mangaani, Mn                         | mg/l      | 46        | 0.23     | 0.28    | 0.18    | 50             | 0.01                 | 0.09  | <0.01 |
| Sähkönjohtavuus 25 °C                | mS/m      | 3         | 32       | 33      | 32      | 6              | 34                   | 40    | 32    |
| Väri                                 | mgPt/l    | 3         | 12       | 20      | 8       | 6              | <2.5                 | <2.5  | <2.5  |
| Vapaa kloori                         | mg/l      |           |          |         |         | 216            | 0.17                 | 0.29  | <0.02 |
| Kokonaiskloori                       | mg/l      |           |          |         |         | 216            | 0.22                 | 0.38  | 0.1   |
| Kokonaiskovuus                       | °dH       | 3         | 5.4      | 5.7     | 5.2     | 6              | 5.9                  | 6.1   | 5.7   |
| Kokonaiskovuus                       | mmol/l    | 3         | 0.96     | 1       | 0.93    | 6              | 1.0                  | 1.1   | 1     |
| Bikarbonaatti                        | mg/l      | 3         | 86       | 89      | 84      | 6              | 89                   | 130   | 79    |
| Kalsium, Ca                          | mg/l      | 3         | 24       | 25      | 23      | 6              | 24                   | 25    | 23    |
| Magnesium, Mg                        | mg/l      | 3         | 12       | 12      | 12      | 6              | 12                   | 12    | 12    |
| Alumiini, Al                         | mg/l      | 3         | <0.02    | <0.02   | <0.02   | 6              | <0.02                | <0.02 | <0.02 |
| Kalium, K                            | mg/l      | 3         | 5        | 5       | 5       | 6              | 5                    | 5     | 4.9   |
| Natrium, Na                          | mg/l      | 3         | 15       | 16      | 15      | 6              | 19                   | 36    | 15    |
| Kloridi                              | mg/l      | 3         | 27       | 28      | 25      | 6              | 27                   | 28    | 25    |
| Fluoridi                             | mg/l      | 3         | 0.4      | 0.6     | 0.3     | 6              | 0.4                  | 0.5   | 0.4   |
| Sulfaatti                            | mg/l      | 3         | 50       | 50      | 49      | 6              | 47                   | 50    | 43    |
| Pii                                  | mg/l      | 0         |          |         |         | 2              | 8.9                  | 9     | 8.8   |
| Silikaatti, SiO <sub>2</sub>         | mg/l      | 0         |          |         |         | 2              | 19                   | 19    | 19    |
| Happi                                | mg/l      | 3         | 4.7      | 6.4     | 1.6     | 6              | 12                   | 12    | 9.9   |
| Hiilidioksidi                        | mg/l      | 3         | 46       | 61      | 38      | 6              | 3.2                  | 4.0   | 2.3   |
| Nitraatti                            | mg/l      | 3         | 0.6      | 0.7     | 0.5     | 6              | 0.6                  | 0.8   | 0.5   |
| Nitriitti                            | µg/l      | 3         | 3.0      | <3.3    | <3      | 6              | 3.0                  | <3.3  | <3    |
| Ammonium                             | µg/l      | 3         | 24       | 27      | 20      | 6              | 1.3                  | 3.0   | <1.3  |
| Kokonaisfosfori                      | µg/l      | 3         | <2       | <2      | <2      | 6              | <2                   | <2    | <2    |
| Fosfaattifosfori, PO <sub>4</sub> -P | µg/l      | 3         | <2       | <2      | <2      | 6              | <2                   | <2    | <2    |
| Haju                                 |           |           |          |         |         | 42             | ei epätav. muutoksia |       |       |
| Maku                                 |           |           |          |         |         | 42             | ei epätav. muutoksia |       |       |
| Koliformiset bakteerit               | pmy/100ml | 47        | 0.9      | 44      | 0.0     | 216            | 0.0                  | 0.0   | 0.0   |
| Pesäkeluku 22°C 3d                   | pmy/ml    | 47        | 50       | >300    | 0       | 42             | 0                    | 1     | 0     |
| Pesäkeluku 37°C 2d                   | pmy/ml    | 47        | 1        | 21      | 0       | 215            | 0                    | 3     | 0     |
| Hiivat 25° C                         | CFU/100ml | 3         | 0        | 0       | 0       | 3              | 0                    | 0     | 0     |
| Homeet 25° C                         | CFU/100ml | 3         | 0.3      | 1       | 0       | 3              | 0.3                  | 1     | 0     |
| Arseeni, As                          | µg/l      | 1         | 0.3      | 0.3     | 0.3     |                |                      |       |       |
| Antimoni, Sb                         | µg/l      | 1         | < 0.3    | < 0.3   | < 0.3   |                |                      |       |       |
| Barium, Ba                           | µg/l      | 1         | 16       | 16      | 16      |                |                      |       |       |
| Kadmium, Cd                          | µg/l      | 1         | < 0.08   | < 0.08  | < 0.08  |                |                      |       |       |
| Kromi, Cr                            | µg/l      | 1         | < 2      | < 2     | < 2     |                |                      |       |       |
| Kupari, Cu                           | µg/l      | 1         | < 5      | < 5     | < 5     |                |                      |       |       |
| Elohopea, Hg                         | µg/l      | 1         | < 0.005  | < 0.005 | < 0.005 |                |                      |       |       |
| Lyijy, Pb                            | µg/l      | 1         | < 0.1    | < 0.1   | < 0.1   |                |                      |       |       |
| Seleen, Se                           | µg/l      | 1         | < 0.2    | < 0.2   | < 0.2   |                |                      |       |       |
| Sinkki, Zn                           | µg/l      | 1         | 14       | 14      | 14      |                |                      |       |       |
| VOC-yhdisteet                        |           |           |          |         |         | 3              | <10/100              |       |       |
| Torjunta-aineet                      |           | 3         | <0.1/0.5 |         |         | 3              | <0.1/0.5             |       |       |