

Ullensaker kommune
Vann
Postboks 470
2051 JESSHEIM
Att: Svein-Arne Kværner

Dato: 06.03.2023
Prøve ID: 2023-3441
ver 1

ANALYSERESULTATER

Prøvemottak: 15.02.23

Analyseperiode: 15.02.23 - 06.03.23

2023-3441-1 DR) Drikkevann (Hamar)

Tatt ut: 15.02.23 - 15.02.23

Gjelder: **Ullensaker drikkevann**

Sted: **109 Kløfta RA**

Merket: B-pakke

| Parameter | Resultat | Enhet | Grenseverdi | Metode | Måleusikkerhet |
|------------------------------------|-----------------------|-------|-------------|-----------------------|----------------|
| 1,2,-dikloretan | ⁸³⁾ <0.5 | µg/l | 3,0 | SS-EN ISO 10301 mod. | ±0.10 |
| Aluminium, Al | ⁸³⁾ 34 | µg/l | 200 | SS-EN ISO 17294-2:201 | ±5.1 |
| Ammonium, NH4-N | ⁸³⁾ <0.01 | mg/l | 0,4 | ISO 15923-1:2013 B | ±0.005 |
| Antimon, Sb | ⁸³⁾ <0.1 | µg/l | 5 | SS-EN ISO 17294-2:201 | ±0.10 |
| Arsen, As | ⁸³⁾ 0.054 | µg/l | 10 | SS-EN ISO 17294-2:201 | ±0.015 |
| Benzen | ⁸³⁾ <0.1 | µg/l | 1 | SS-EN ISO 10301 mod. | ±0.050 |
| Benzo(a)pyren, PAH | ⁸³⁾ <0.005 | µg/l | 0,01 | GC-MS-NCI, egen metod | ±0.0013 |
| Bly, Pb | ⁸³⁾ <0.02 | µg/l | 10 | SS-EN ISO 17294-2:201 | ±0.012 |
| Bor, B | ⁸³⁾ <2.5 | µg/l | 1000 | SS-EN ISO 17294-2:201 | ±0.75 |
| Bromat-BrO3 | ⁸³⁾ <3 | µg/l | 10 | SS-EN ISO 11206:2013 | ±0.60 |
| Cyanid, total | ⁸³⁾ <0.01 | mg/l | 0,05 | SS-EN ISO 14403-2:201 | ±0.003 |
| Fluorid | ⁸³⁾ 0.11 | mg/l | 1,5 | SS-EN ISO 10304-1:200 | ±0.10 |
| Jern, Fe | ⁸³⁾ 11 | µg/l | 200 | SS-EN ISO 17294-2:201 | ±1.7 |
| Kadmium, Cd | ⁸³⁾ <0.01 | µg/l | 5 | SS-EN ISO 17294-2:201 | ±0.003 |
| Klorid | ⁸³⁾ 4.9 | mg/l | 250 | SS-EN ISO 10304-1:200 | ±0.90 |
| Kobber, Cu | ⁸³⁾ 2.8 | µg/l | 2000 | SS-EN ISO 17294-2:201 | ±0.42 |
| Krom, Cr | ⁸³⁾ <0.05 | µg/l | 50 | SS-EN ISO 17294-2:201 | ±0.015 |
| Kvikksølv | ⁸³⁾ <2 | ng/l | 1000 | SS-EN ISO 17852 mod. | ±1 |
| Kvikksølv, Hg | ⁸³⁾ <0.002 | µg/l | | EN ISO 17852 mod. | |
| Kalsium, Ca | ⁸³⁾ 20 | mg/l | | SS-EN ISO 11885:2009 | ±3.0 |
| Mangan, Mn | ⁸³⁾ 0.25 | µg/l | 50 | SS-EN ISO 17294-2:201 | ±0.060 |
| Natrium, Na | ⁸³⁾ 2.3 | mg/l | 200 | SS-EN ISO 11885:2009 | ±0.35 |
| Nikkel, Ni | ⁸³⁾ 0.57 | µg/l | 20 | SS-EN ISO 17294-2:201 | ±0.086 |
| Nitrat, NO3-N | ⁸³⁾ 0.30 | mg/l | 10 | SS-EN ISO 10304-1:200 | ±0.045 |
| Nitritt, NO2-N | ⁸³⁾ <0.001 | mg/l | | ISO 15923-1:2013 D | ±0.0009 |
| 2,4,5-Triklorfenoksyre, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| 2,4-Diklorfenoksyre, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Atrazin, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| BAM (2,6-diklorbensamid), pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Bentazon, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Bitertanol, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Cyanazin, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Desetylatrazin, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Desisopropylatrazin, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Diklorprop, pesticid | ⁸³⁾ <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |

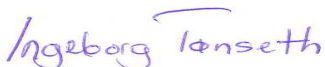
| Parameter | Resultat | Enhet | Grenseverdi | Metode | Måleusikkerhet |
|-----------------------------------|-----------|-------|-------------|-----------------------|----------------|
| Dimetoat, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Diuron, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Etofumesat, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.026 |
| Fenoxaprop, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.009 |
| Hexazinon, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Isoproturon, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Kloridazon, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.010 |
| Klorsulfuron, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Kvinmerak, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| MCPA, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Mecoprop, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Metamitron, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Metazaklor, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Metribuzin, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.008 |
| Metsulfuronmetyl, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.008 |
| Propyzamid, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Simazin, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Terbutylazin, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Thifensulfuronmetyl, pesticid | 83) <0.01 | µg/l | 0,1 | LC-MS-MS, egen metod | ±0.007 |
| Sum pesticider | 83) <0.05 | µg/l | 0,5 | Beräknad | |
| Benzo(b+k)fluoranten, PAH | 83) <0.01 | µg/l | | GC-MS-NCI, egen metod | ±0.003 |
| Benzo(ghi)perylen, PAH | 83) <0.01 | µg/l | | GC-MS-NCI, egen metod | ±0.003 |
| Indeno(1,2,3-cd)pyren, PAH | 83) <0.01 | µg/l | | GC-MS-NCI, egen metod | ±0.003 |
| Sum PAH ihht drikkevannsforskrift | 83) <0.02 | µg/l | 0,1 | Beräknad | |
| Selen, Se | 83) <1 | µg/l | 10 | SS-EN ISO 17294-2:201 | ±0.40 |
| Sulfat | 83) 8.8 | mg/l | 250 | SS-EN ISO 10304-1:200 | ±1.3 |
| Tetrakloreten | 83) <1 | µg/l | | SS-EN ISO 10301 mod. | ±0.20 |
| Triklloreten | 83) <1 | µg/l | | SS-EN ISO 10301 mod. | ±0.20 |
| Sum kloretenner | 83) <1 | µg/l | 10 | Beräknad | |
| TOC, total organisk karbon | 83) 1.4 | mg/l | | SS-EN ISO 20236:2021 | ±0.50 |
| Kloroform | 83) 8.7 | µg/l | | SS-EN ISO 10301 mod. | ±1.7 |
| Bromoform | 83) <1 | µg/l | | SS-EN ISO 10301 mod. | ±0.20 |
| Dibromklormetan | 83) <1 | µg/l | | SS-EN ISO 10301 mod. | ±0.20 |
| Bromdiklormetan | 83) <1 | µg/l | | SS-EN ISO 10301 mod. | ±0.20 |
| Sum trihalometaner | 83) 8.7 | µg/l | 100 | Beräknad | |

< betyr: Mindre enn

83) Levert av SGS - Linkøping ISO17025:2018 SWEDAC 1006

DR) Grenseverdier etter Drikkevannsforskriften

Med hilsen



Ingeborg Tønseth
Laboratorieleder/Kunderådgiver

Kopi til

Mapgraph PDF (E-post)

Ø.Gulbrandsen2.pri vars dagtid (E-post)

S.A.Kværner 1.pri varsl dagtid (E-post)

T.K.Muri 3.pri varsl dagtid (E-post)

Gurusoft PDF (E-post)

Angitt måleusikkerhet er beregnet med en dekningsfaktor k=2.

For opplysninger om måleusikkerhet ta kontakt med laboratoriet.

Resultatene gjelder kun de undersøkte prøvene slik mottatt. Rapporten må ikke offentliggjøres annet enn i sin helhet uten skriftlig tillatelse.

Analyser utført av underleverandører: akkrediteringsnummer som er angitt i fotnoten betyr at underleverandør er akkreditert for analysen.