



eurofins



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Ose Water AS
Austadvegen 84
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4745 Bygland
Attn: Edmund Haave

AR-22-MG-004894-01

EUNOKR-00050282

Received: 30.03.2022

Temperature:

Analysed between: 30.03.2022-28.04.2022

Reference: Kildevann uke 13-2022

ANALYTICAL REPORT

Sample code:	434-2022-0330-094	Sampled on:	30.03.2022			
Description:	Spring water	Sampled by:	Edmund Haave			
Client Sample:	Kildevann	Analysis date:	30.03.2022			
Analysis	Result	Unit	LOQ:	MU	Method	Limit:
Clostridium perfringens	<1	cfu/100 ml	1		ISO 14189	
pH measured by 23 +/- 2°C						
pH	6.2		4	0.2	NS-EN ISO 10523	6.50 - 9.50
Turbidity	0.11	FNU	0.1	25%	NS-EN ISO 7027-1	max 1
Colour (410 nm)	<3.0	mg Pt/l	3		NS-EN ISO 7887	
d) Fluoride (F)						
d) Fluorine (F)	0.13	mg/l	0.05	30%	EPA Metod 340.3	max 1.50
d) Chloride	2.30	mg/l	0.2	20%	NS-EN ISO 10304-1	
d) Sulphate						
d) Sulphate (SO4)	2.96	mg/l	0.1	20%	NS-EN ISO 10304-1	
d) Ammonia (NH4-N)	<0.005	mg/l	0.005		NS-EN ISO 11732	
d) Nitrate (NO3-N)	0.22	mg/l	0.005	20%	NS-EN ISO 13395	max 10
e) Bromate in water						
e) Bromate	<2.0	µg/l	2		Internal Method	
a) Cyanides total	<1.0	µg/l	1		NEN-EN-ISO 14403-2	
d) Mercury						
d) Mercury (Hg)	<0.001	µg/l	0.001		Internal Method	
d) Boron (B) direct measurement	0.00170	mg/l	0.001	40%	NS-EN ISO 17294-2:2016	
d) Arsenic (As) direct measurement	0.045	µg/l	0.02	50%	NS-EN ISO 17294-2:2016	
d) Lead (Pb) direct measurement	0.042	µg/l	0.01	50%	NS-EN ISO 17294-2:2016	
d) Cadmium (Cd) direct measurement	0.0070	µg/l	0.004	50%	NS-EN ISO 17294-2:2016	
d) Copper (Cu) direct measurement	0.000178	mg/l	0.0001	50%	NS-EN ISO 17294-2:2016	
d) Chromium (Cr) direct measurement	<0.050	µg/l	0.05		NS-EN ISO 17294-2:2016	
d) Zinc (Zn) direct measurement	<0.50	µg/l	0.5		NS-EN ISO 17294-2:2016	
d) Aluminium (Al) direct measurement	0.0326	mg/l	0.001	15%	NS-EN ISO 17294-2:2016	
d) Iron (Fe) direct measurement	0.000362	mg/l	0.0003	40%	NS-EN ISO 17294-2:2016	

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d)	Manganese (Mn) direct measurement	0.000525 mg/l	0.0002	40%	NS-EN ISO 17294-2:2016
d)	Selenium (Se) direct measurement	0.091 µg/l	0.05	50%	NS-EN ISO 17294-2:2016
e)	Volatile organic compounds (VOC 54)				
e)	Trichlorofluoromethane	< 0.10 µg/l	0.1		Internal method
e)	1,1-Dichloroethene	< 0.10 µg/l	0.1		Internal method
e)	Dichloromethane	< 0.10 µg/l	0.1		Internal method
e)	trans-1,2-Dichloroethene	< 0.10 µg/l	0.1		Internal method
e)	1,1-Dichloroethane	< 0.10 µg/l	0.1		Internal method
e)	cis-1,2-Dichloroethene	< 0.10 µg/l	0.1		Internal method
e)	2,2-Dichloropropane	< 0.10 µg/l	0.1		Internal method
e)	Bromochloromethane	< 0.10 µg/l	0.1		Internal method
e)	Chloroform (Trichloromethane)	< 0.10 µg/l	0.1		Internal method
e)	1,1,1-Trichloroethane	< 0.10 µg/l	0.1		Internal method
e)	Tetrachloromethane	< 0.10 µg/l	0.1		Internal method
e)	1,1-Dichloropropene	< 0.10 µg/l	0.1		Internal method
e)	Benzene	< 0.10 µg/l	0.1		Internal method
e)	1,2-Dichloroethane	< 0.10 µg/l	0.1		Internal method
e)	Trichloroethene	< 0.10 µg/l	0.1		Internal method
e)	1,2-Dichloropropane	< 0.10 µg/l	0.1		Internal method
e)	Dibromomethane	< 0.10 µg/l	0.1		Internal method
e)	Bromodichloromethane	< 0.10 µg/l	0.1		Internal method
e)	cis-1,3-Dichloropropene	< 0.10 µg/l	0.1		Internal method
e)	Toluene	< 0.10 µg/l	0.1		Internal method
e)	Trans-1,3-dichloropropene	< 0.20 µg/l	0.2		Internal method
e)	1,1,2-Trichloroethane	< 0.10 µg/l	0.1		Internal method
e)	Tetrachloroethene	< 0.10 µg/l	0.1		Internal method
e)	1,3-Dichloropropane	< 0.10 µg/l	0.1		Internal method
e)	Dibromochloromethane	< 0.10 µg/l	0.1		Internal method
e)	1,2-Dibromoethane	< 0.10 µg/l	0.1		Internal method
e)	Chlorobenzene	< 0.10 µg/l	0.1		Internal method
e)	1,1,1,2-Tetrachloroethane	< 0.10 µg/l	0.1		Internal method
e)	Ethylbenzene	< 0.10 µg/l	0.1		Internal method
e)	m-/p-Xylene	< 0.20 µg/l	0.2		Internal method
e)	o-Xylene	< 0.10 µg/l	0.1		Internal method
e)	Styrene	< 0.10 µg/l	0.1		Internal method
e)	Tribromomethane	< 0.10 µg/l	0.1		Internal method
e)	Isopropylbenzene (Cumene)	< 0.10 µg/l	0.1		Internal method
e)	Bromobenzene	< 0.10 µg/l	0.1		Internal method
e)	n-propylbenzene	< 0.10 µg/l	0.1		Internal method
e)	1,2,3-Trichloropropane	< 0.10 µg/l	0.1		Internal method
e)	2-Chlorotoluene	< 0.10 µg/l	0.1		Internal method
e)	1,3,5-Trimethylbenzene (Mesitylene)	< 0.10 µg/l	0.1		Internal method
e)	4-Chlorotoluene	< 0.10 µg/l	0.1		Internal method
e)	tert-Butylbenzene	< 0.10 µg/l	0.1		Internal method
e)	1,2,4 trimethylbenzen	< 0.10 µg/l	0.1		Internal method
e)	sec-Butylbenzene	< 0.10 µg/l	0.1		Internal method
e)	p-Isopropyltoluene	< 0.10 µg/l	0.1		Internal method
e)	1,3-Dichlorobenzene	< 0.10 µg/l	0.1		Internal method

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e)	1,4-Dichlorobenzene (p-)	< 0.10 µg/l	0.1		Internal method
e)	n-butylbenzene	< 0.10 µg/l	0.1		Internal method
e)	1,2-Dichlorobenzene (o-)	< 0.10 µg/l	0.1		Internal method
e)	1,2,4-Trichlorobenzene	< 0.10 µg/l	0.1		Internal method
e)	Hexachlorobutadiene	< 0.10 µg/l	0.1		Internal method
e)	1,2-Dibromo-3-chloropropane	< 0.10 µg/l	0.1		Internal method
e)	Naphthalene	< 0.10 µg/l	0.1		Internal method
e)	1,2,3-Trichlorobenzene	< 0.10 µg/l	0.1		Internal method
b)	1,4-Dioxane	< 2.0 µg/l	2		ISO 15680 mod.
g) Anionic Surfactants					
g)	Anionic surfactants (MBAS)	<0.05 mg/l	0.05		ISO 16265
c)	Carbaryl	<0.01 µg/l	0.01		Internal Method
	Enterococcus Faecalis	<1 cfu/250 ml	1		ISO 7899-2
b)	Phenol	< 0.05 µg/l	0.05		M 2233
d)	Potassium (K) direct measurement	0.43 mg/l	0.05	15%	NS-EN ISO 17294-2:2016
e) Calcium Ca, in water, not digested					
e)	Calcium Ca (acidified)	2.6 mg/l	0.05	20%	SS-EN ISO 17294-2:2016
	Culturable Microorganisms 22°C	<1 cfu/ml	1		ISO 6222
	Culturable Microorganisms 36°C	2 cfu/ml	1	<1-9	ISO 6222
h) COD-Mn in water					
h)	Chemical oxygen demand (COD)	1.2 mg O ₂ /l	0.24	20%	SS-EN ISO 8467:1995 mod
	Escherichia coli	<1 MPN/100 ml	1		ISO 9308-2
	Coliforms	<1 MPN/100 ml	1		ISO 9308-2
* Water sensory, smell					
*	Smell-qualitative	None			Internal Method
e) Magnesium Mg, in water, not digested					
e)	Magnesium Mg (acidified)	0.45 mg/l	0.1	20%	SS-EN ISO 17294-2:2016
d)	Sodium (Na) direct measurement	2.8 mg/l	0.02	15%	NS-EN ISO 17294-2:2016
h) Permanganatindex in water (KMnO₄)					
h)	Permanganete index (KMnO ₄)	4.7 mg/l	1	20%	SS-EN ISO 8467:1995 mod
*	Pseudomonas aeruginosa	<1 cfu/100 ml	1		EN ISO 16266
f)*	Salmonella	Not Detected /500 ml	0		Internal Method adapted from BacGene Salmonella
d)* TDS (total dissolved solids) mg/L					
d)*	Dry Matter Solubility	52 mg/l	20		NS-EN 15216
e) Uranium U in water, not digested					
e)	Uranium (U)	0.55 µg/l	0.005	20%	EN ISO 17294-2:2016

Limits check: Drikkevannsforskriften (2020)

Test was performed by / subcontractor:**Symbol description:**

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- a) Eurofins Analytico (Barneveld), Gildeweg 30-46, NL-3771 NB, Barneveld NEN EN ISO/IEC 17025: 2017, RvA L010,
- b) Eurofins Miljø, Ladelundvej 85, DK-6600, Vejle DS EN ISO/IEC 17025 DANAK 168,
- c) Eurofins Analyses pour l'Environnement France (S1), 5, rue d'Otterswiller, F-67700, Saverne COFRAC TESTING (scope on www.cofrac.fr) 1-1488,
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- d) Eurofins Environment Testing Norway AS (Moss), Møllebakken 50, NO-1538, Moss ISO/IEC 17025:2017 Norsk Akkreditering TEST 003,
- e) Eurofins Environment Sweden AB (Lidköping), Box 887, Sjötagsg. 3, SE-53119, Lidköping ISO/IEC 17025:2017 SWEDAC 1125,
- f)* Eurofins Food & Feed Testing Norway AS (Klepp), Lalandveien 2, NO-4353, Klepp
- g) Eurofins Hydrologie Est (Maxeville), Rue Lucien Cuenot, Site Saint-Jacques II, BP 51005, F-54521, Maxeville Cedex COFRAC TESTING (scope on www.cofrac.fr) 1-0685,
- h) Eurofins Water Testing Sweden, Box 737, Sjötagsgatan 3, 53119, Lidköping ISO/IEC 17025:2017 SWEDAC 10300,

Kristiansand 28.04.2022

Nermina Trnka

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Production Manager

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