



ALS Denmark A/S
Bakkegårdsvej 406 A
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www.alsglobal.dk

ANALYSERAPPORT

Ølsted Strand Vandværk
Frederikssundsvej 167
3310 Ølsted
Att.: Henriette Høeg, PersonRef. Henriette Høeg

Udskrevet: 12-08-2022
Version: 1
Modtaget: 21-06-2022
Analyseperiode: 21-06-2022 - 12-08-2022
Ordrenr.: 720287

Sagsnavn Ølsted Strand vv
Lokalitet: Ølsted Strand Vandværk
Prøvested: Kildehøjvej 44, 3310 Ølsted
Prøve ID: Køkkenhane
Udtaget: 21.06.2022 kl. 09:35:00
Prøvetype: Drikkevand - Bek. 2361:2021, Gruppe B Hovedbestanddele
Prøvetager: LAB/SKN
Kunde: Ølsted Strand Vandværk, Frederikssundsvej 167, 3310 Ølsted, Att. Henriette Høeg, PersonRef. Henriette Høeg

Prøvenr.:	119801/22				
Parameter	Resultat	Enhed	Metode	Grænseværdi	Forbruger taphane jvf BEK 2361:2021
Partikler i prøve efter konservering	#	Nej	-	-	
Prøvetagning, Taphane (m. flush)		+	- DS/EN ISO 19458:2006, MST Manual for DRV version 5, 2021, DS/ISO 5667-5:2006		
Chlorit	*1	<10	µg/l	CSN EN ISO 10304-4	50 µg/l
Enterokokker		<1	cfu/100 ml	DS/EN ISO 7899-2:2000	<1
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009	0.05 mg/l
Natrium, Na+		17	mg/l	DS/EN ISO 11885:2009	175 mg/l
Ammonium+ammoniak, NH4+		<0.0040	mg/l	DS/ISO 15923-1:2013+DS224:1975Mod	0.05 mg/l
Nitrit, NO2-		0.0021	mg/l	DS/ISO 15923-1:2013	0.1 mg/l
Nitrat, NO3-		1.8	mg/l	DS/ISO 15923-1:2013 + beregning	50 mg/l
Chlorid, Cl-		28	mg/l	DS/ISO 15923-1:2013	
Fluorid, F-		0.46	mg/l	DS 218:1975,MOD	1.5 mg/l
Sulfat, SO4--		38	mg/l	DS/ISO 15923-1:2013	250 mg/l
NVOC		1.9	mg/l	DS/EN 1484:1997+SM 5310B:2014	4 mg/l
Chlorat	*1	<10	µg/l	CSN EN ISO 10304-4	50 µg/l
Bromat	*1	<5.0	µg/l	CSN EN ISO 15061	10 µg/l
Cyanid CN, total		<1.0	µg/l	DS/EN ISO 14403-2:2012	50 µg/l
Aluminium, Al		1.1	µg/l	DS/EN ISO 17294-2:2016	200 µg/l
Antimon, Sb		<0.20	µg/l	DS/EN ISO 17294-2:2016	5 µg/l
Arsen, As		0.18	µg/l	DS/EN ISO 17294-2:2016	5 µg/l
Bly, Pb		0.33	µg/l	DS/EN ISO 17294-2:2016	5 µg/l
Bor, B		57	µg/l	DS/EN ISO 11885:2009	1000 µg/l
Cadmium, Cd		0.011	µg/l	DS/EN ISO 17294-2:2016	3 µg/l
Chrom, Cr		0.048	µg/l	DS/EN ISO 17294-2:2016	50 µg/l
Kobolt, Co		0.020	µg/l	DS/EN ISO 17294-2:2016	5 µg/l
Kobber, Cu		24	µg/l	DS/EN ISO 17294-2:2016	2000 µg/l
Kviksølv, Hg	*3	<0.002	µg/l	SS EN ISO 17852:2008	1 µg/l
Nikkel, Ni		0.28	µg/l	DS/EN ISO 17294-2:2016	20 µg/l
Selen, Se		0.060	µg/l	DS/EN ISO 17294-2:2016	10 µg/l
Zink, Zn		42	µg/l	DS/EN ISO 17294-2:2016	3000 µg/l
HS drikkevand				DS/EN ISO 10301:2000	
HS chlorerede DRV TILLÆG				DS/EN ISO 10301:2000	
PAH'er vandforsyning, 6 komp.				DIN 38407-F39	
Benzen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
Fluoranthen	*4	<0.0010	µg/l	DIN 38407-F39	0.1 µg/l
Benzo(b)fluoranthen	*4	<0.0010	µg/l	DIN 38407-F39	
Benz(k)fluoranthen	*4	<0.0010	µg/l	DIN 38407-F39	

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Benz(a)pyren	*4	<0.0010	µg/l	DIN 38407-F39	0.010 µg/l
Indeno(1,2,3-cd)pyren	*4	<0.0010	µg/l	DIN 38407-F39	
Benz(ghi)perylene	*4	<0.0010	µg/l	DIN 38407-F39	
PAH, sum (4 komp. jf. bek. 972, 2022)	*4	<0.10	µg/l	DIN 38407-F39	0.1 µg/l
PAH, sum (6 komp. jf. bek. 972, 2022)	*4	<0.10	µg/l	DIN 38407-F39	
HS chlor. nedbryd.					
Trichlormethan (Chloroform)		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
1,1,1-trichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
1,1,2-trichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
Trichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
Tetrachlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
1,1,2,2-tetrachlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
1,1,1,2-tetrachlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
Vinylchlorid		<0.020	µg/l	DS/EN ISO 10301:2000	0.5 µg/l
1,1-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
trans-1,2-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
cis-1,2-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l
1,2-dichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1.0 µg/l
Dichlormethan		<0.10	µg/l	DS/EN ISO 10301:2000	1 µg/l
Epichlorhydrin	*1	<0.10	µg/l	Underleverandør - GC/MS	0.1 µg/l
2,6-dichlorphenol		<0.010	µg/l	AK158 - GC/MS	0.1 µg/l
Pentachlorphenol		<0.010	µg/l	AK158 - GC/MS	0.01 µg/l
Acrylamid	*1	<0.050	µg/l	Underleverandør - LC/MS/MS	0.1 µg/l
					Anvendelse af kemikalier med indhold heraf bør undgås til vandbehandling
Pesticider, Kartoffelavl		-	-	GC/LC/MS	
Pesticider, Drikkevand grundpakke		-	-	GC/LC/MS	
Pesticider, vand 4 stoffer		-	-	GC/MS	
1,2,4-triazol		<0.010	µg/l	AK207 - LC/MS/MS	0.1 µg/l
2,6-DCPP (2-(2,6-dichlorphenoxypropionsyre)), 2,6-dichlorprop		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
2,6-dichlorbenzoesyre		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
4-CPP, (4-Chlorprop)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Aminomethylphosphonsyre, AMPA		<0.010	µg/l	AK144 - LC/MS/MS	0.1 µg/l
Atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
2,6-Dichlorbenzamid (BAM)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Bentazon		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Heptachlor		<0.010	µg/l	AK158 - GC/MS	0.03 µg/l
Aldrin		<0.010	µg/l	AK158 - GC/MS	0.03 µg/l
Heptachlorepoxid		<0.010	µg/l	AK158 - GC/MS	0.03 µg/l
Dieldrin		<0.010	µg/l	AK158 - GC/MS	0.03 µg/l
Desphenyl-chloridazon		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Imazalil		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Methyl-desphenyl-chloridazon		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Metalaxyl/Metalaxyl-M		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
CGA108906 (Nedbr. af Metalaxyl)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
CGA62826 (Nedbr. af Metalaxyl)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
4-nitrophenol		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
2,4-dichlorphenol		<0.010	µg/l	AK158 - GC/MS	0.1 µg/l
Desethylatrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Desethyldesisopropylatrazin (DEIA)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Desethyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Desethylterbutylazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Desisopropylatrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Desisopropyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Dichlobenil		<0.010	µg/l	AK78 - GC/MS	0.1 µg/l
Dichlorprop(2,4-DP)		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Didealkyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l
Pesticider, Frugtavl (Diuron)		-	-	AK78 - LC/MS/MS	
Diuron		<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l

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ETU (Ethylthiourea)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Glyphosat	<0.010	µg/l	AK144 - LC/MS/MS	0.1 µg/l	
Hexazinon	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Hydroxyatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Hydroxysimazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
MCPA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Mechlorprop(MCPP)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metamitron-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metribuzin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metribuzin-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metribuzin-desamino-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metribuzin-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Simazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
TFMP	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	AK207 - LC/MS/MS	0.1 µg/l	
Chlorothalonilamid-sulfonsyre (R417888)	<0.0050	µg/l	AK78 - LC/MS/MS	0,1 µg/l	
Pesticider, DRV BEK 972:2022		-	-- LC/MS/MS		
Alachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Dimethachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Dimethachlor OA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metazachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metazachlor OA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Propachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
t-Sulfinyleddikesyre (Acetochlor SAA)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
CGA 369873 (Dimethachlor metab.)	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Metaldehyd	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
[(2,6-Dimethylphenyl)(2-sulfoacetyl)amino]eddikesyre	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Monuron	<0.010	µg/l	AK78 - LC/MS/MS		
PFAS-forbindelser, Vandforsyning		-			
PFHxS, Perfluorhexansulfonsyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFOS, Perfluoroctansulfonsyre	*1	<0.20	ng/l	CEN/TS 15968:2010	
PFOA, Perfluoroctansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFNA, Perfluoronansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFBA, Perfluorbutansyre	*1	<2.0	ng/l	CEN/TS 15968:2010	
PFPeA, Perfluorpentansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFHxA, Perfluorhexansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFHpA, Perfluorheptansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFDA, Perfluordecansyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFBS, Perfluorbutansulfonsyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
6:2 FTS, 1H,1H,2H,2H-Perfluoroctansulfonsyre	*1	<0.30	ng/l	CEN/TS 15968:2010	
PFOSA, Perfluoroctansulfonamid	*1	0.37	ng/l	CEN/TS 15968:2010	
Radioaktivitet		-			100 Bq/l
Total alpha aktivitet	*1	<0.04	Bq/l	CSN 75 7611	
Total beta aktivitet	*1	<0.10	Bq/l	CSN 75 7612	
Radon (EMA)	*1	1.8	Bq/l	CSN 75 7624	100 Bq/l
Total indicative dose (TID)	*1	<0.03	mSv/år	CZ_SOP_D06_07_372	
Tritium	*1	<10	Bq/l	CSN ISO 9698	
Sum af PFOA, PFOS, PFNA, PFHxS	*2	<0.60	ng/l	CEN/TS 15968:2010	2 ng/l
Sum af PFAS, 12 stoffer	*2	0.40	ng/l	CEN/TS 15968:2010	Max. 100 ng/l

Kommentar

Grundet indhold af HCO₃ > 100 mg/l er detektionsgrænsen for Aggressiv CO₂ hævet fra 2 til 5 mg/l.

Vand til analyse for BTEXN samt chlorerede opløsningsmidler og nedbrydningsprodukter er udtaget 12-08-2022. Højest tilladelige værdi er overholdt for de undersøgte parametre.

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Underleverandør

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- *2 # ALS Czech Republic s.r.o, CAI L1163
- *3 ALS Scandinavia AB, SWEDAC 2030
- *4 GBA Gesellschaft für Bioanalytik mbH, DAkKS D-PL-14170-01-00

Dianna Andersen

Kopimodtagere:

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