



Ordrenr: 874157
Sagsnavn: Ølsted Strands vv

ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
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www.alsglobal.dk

ANALYSERAPPORT

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

Udskrevet: 01-10-2024
Version: 1
Modtaget: 06-09-2024
Analyseperiode: 06-09-2024 -
01-10-2024
Ordrenr.: 874157

Sagsnavn Ølsted Strands vv
Lokalitet: Ølsted Strand Vandværk
Prøvested: Afgang værk, 3300
Udtaget: 06.09.2024 kl. 09:10
Prøvetype: Drikkevand - Bek. 940:2024, Gruppe B, Hovedbestanddele
Prøvetager: LAB/JNF
Kunde: Ølsted Strand Vandværk, Frederikssundsvej 167, 3310 Ølsted, Att. Henriette Høeg, PersonRef. Henriette Høeg

Prøvenr.:	149671/24				
Parameter	Resultat	Enhed	Metode	Vejl. grænseværdi	Afgang værk jvf BEK 523:2019
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
Intestinale Enterokokker		<1	cfu/100 ml	DS/EN ISO 7899-2:2000	<1
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009	20
Natrium, Na+		20	mg/l	DS/EN ISO 11885:2009	175
Ammonium+ammoniak, NH4+		0.0055	mg/l	DS/ISO 15923-1:2013+DS224:1975Mod	0.05
Nitrit, NO2-		0.0018	mg/l	DS/ISO 15923-1:2013	0.01
Nitrat, NO3-		1.8	mg/l	DS/ISO 15923-1:2013 + beregning	50
Chlorid, Cl-		29	mg/l	DS/ISO 15923-1:2013	250
Fluorid, F-		0.53	mg/l	DS 218:1975,MOD	1.5
Sulfat, SO4--		39	mg/l	DS/ISO 15923-1:2013	250
NVOC		2.5	mg/l	DS/EN 1484:1997+SM 5310B:2014	4
Chlorat	*1	<10	µg/l	CSN EN ISO 10304-4	50
Bromat	*1	<5.0	µg/l	CSN EN ISO 15061	10
Cyanid CN, total		<1.0	µg/l	DS/EN ISO 14403-2:2012	50
Aluminium, Al		10	µg/l	DS/EN ISO 17294-2:2016	100
Antimon, Sb		<0.20	µg/l	DS/EN ISO 17294-2:2016	2
Arsen, As		0.21	µg/l	DS/EN ISO 17294-2:2016	5
Bly, Pb		0.084	µg/l	DS/EN ISO 17294-2:2016	5
Bor, B		68	µg/l	DS/EN ISO 11885:2009	1000
Cadmium, Cd		<0.0030	µg/l	DS/EN ISO 17294-2:2016	2
Chrom, Cr		0.075	µg/l	DS/EN ISO 17294-2:2016	20
Kobolt, Co		<0.030	µg/l	DS/EN ISO 17294-2:2016	
Kobber, Cu		1.4	µg/l	DS/EN ISO 17294-2:2016	100
Kviksølv, Hg		<0.0010	µg/l	DS/EN ISO 17852:2008	1
Nikkel, Ni		0.39	µg/l	DS/EN ISO 17294-2:2016	20
Selen, Se		<0.050	µg/l	DS/EN ISO 17294-2:2016	10
Zink, Zn		2.9	µg/l	DS/EN ISO 17294-2:2016	100
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
Fluoranthen	*2	<0.001	µg/l	DIN 38407-F39	0.1
Benzo(b)fluoranthen	*2	<0.001	µg/l	DIN 38407-F39	
Benz(k)fluoranthen	*2	<0.001	µg/l	DIN 38407-F39	
Benz(a)pyren	*2	<0.001	µg/l	DIN 38407-F39	0.01
Indeno(1,2,3-cd)pyren	*2	<0.001	µg/l	DIN 38407-F39	

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Benz(ghi)perylen	*2	<0.001	µg/l	DIN 38407-F39	
PAH, sum (4 komp. jf. bek. 940, 2024)	*2	<0.10	µg/l	DIN 38407-F39	0.1
PAH, sum (6 komp. jf. bek. 811, 2024)	*2	<0.10	µg/l	DIN 38407-F39	
HS chlor. nedbryd.					
Trichlormethan (Chloroform)		<0.020	µg/l	DS/EN ISO 10301:2000	1
1,1,1-trichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1
1,1,2-trichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1
Trichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1
Tetrachlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1
1,1,2,2-tetrachlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1
1,1,1,2-tetrachlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	1
Vinylchlorid		<0.020	µg/l	DS/EN ISO 10301:2000	0.3
1,1-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1
trans-1,2-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1
cis-1,2-dichlorethylen		<0.020	µg/l	DS/EN ISO 10301:2000	1
1,2-dichlorethan		<0.020	µg/l	DS/EN ISO 10301:2000	
Dichlormethan		<0.10	µg/l	DS/EN ISO 10301:2000	1
Epichlorhydrin	*1	<0.050	µg/l	W-OCPECD01 - GC/MS	0.1
2,6-dichlorphenol		<0.010	µg/l	AK158 - GC/MS	0.1
Pentachlorphenol		<0.010	µg/l	AK158 - GC/MS	0.01
1,2,4-triazol		<0.010	µg/l	AK207 - LC/MS/MS	0.1
Acrylamid	*1	<0.050	µg/l	Underleverandør - LC/MS/MS	0.1
					Anvendelse af kemikalier med indhold heraf bør undgås til vandbehandling
Pesticider, Kartoffelavl			-	-- LC/MS/MS	
Pesticider, Drikkevand grundpakke LC/MS			-	-- LC/MS/MS	
Pesticider, Drikkevand grundpakke GC/MS			-	-- GC/MS	
Pesticider, vand 4 stoffer			-	-- GC/MS	
2,6-DCPP (2-(2,6-dichlorphenoxy-propionsyre)), 2,6-dichlorprop		<0.010	µg/l	AK78 - LC/MS/MS	0.1
4-CPP, (4-Chlorprop)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Aminomethylphosphorsyre, AMPA		<0.010	µg/l	AK144 - LC/MS/MS	0.1
Atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Bentazon		<0.010	µg/l	AK78 - LC/MS/MS	0.1
2,6-Dichlorbenzamid (BAM)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
ETU (Ethylthiourea)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Heptachlor		<0.010	µg/l	AK158 - GC/MS	0.03
Aldrin		<0.010	µg/l	AK158 - GC/MS	0.03
Heptachlorepoxyd		<0.010	µg/l	AK158 - GC/MS	0.03
Dieldrin		<0.010	µg/l	AK158 - GC/MS	0.03
2,6-dichlorbenzoesyre		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desphenyl-chloridazon, DPC		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Imazalil		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Methyl-desphenyl-chloridazon		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metalaxyl		<0.010	µg/l	AK78 - LC/MS/MS	0.1
CGA108906 (Nedbr. af Metalaxyl)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
CGA62826 (Nedbr. af Metalaxyl)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
4-nitrophenol		<0.010	µg/l	AK78 - LC/MS/MS	0.1
2,4-dichlorphenol		<0.010	µg/l	AK158 - GC/MS	0.1
Desethylatrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desethyl-desisopropylatrazin (DEIA)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desethyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desethylterbutylazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desisopropylatrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Desisopropyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Dichlobenil		<0.010	µg/l	AK78 - GC/MS	0.1
Dichlorprop(2,4-DP)		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Didealkyl-hydroxy-atrazin		<0.010	µg/l	AK78 - LC/MS/MS	0.1
Pesticider, Frugtavl (Diuron)			-	AK78 - LC/MS/MS	

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Diuron	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Glyphosat	<0.010	µg/l	AK144 - LC/MS/MS	0.1
Hexazinon	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Hydroxyatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Hydroxysimazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1
MCPA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Mechlorprop(MCPP)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metamitron-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metribuzin	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metribuzin-desamino	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metribuzin-desamino-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metribuzin-diketo	<0.010	µg/l	AK78 - LC/MS/MS	0.1
PPU (IN 70941), (Nedbr. af Rimsulfuron)	<0.010	µg/l	AK78 - LC/MS/MS	
Simazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1
TFMP	<0.010	µg/l	AK78 - LC/MS/MS	
Pentachlorbenzen	<0.010	µg/l	AK158 - GC/MS/SIM	
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	AK207 - LC/MS/MS	0.1
Chlorothalonamid-sulfonsyre (R417888)	<0.0050	µg/l	AK78 - LC/MS/MS	
Pesticider, DRV BEK 940:2024		-	-- LC/MS/MS	
Alachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Dimethachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Dimethachlor OA (CGA 50266)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metazachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metazachlor OA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Propachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS	0.1
t-Sulfinyleddikesyre (Acetochlor SAA)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
CGA 369873 (Dimethachlor metab.)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
[(2,6-Dimethylphenyl)(2-sulfoacetyl)amino]eddikesyre	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Metaldehyd	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Monuron	<0.010	µg/l	AK78 - LC/MS/MS	
4-Bis-amido-3,5,6-trichlorobenzenesulfonat (R471811) (Nedbr. af Chlorothalonil)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
6-(tert-Butylamino)-1,3,5-triazine-2,4-diol (CGA324007, LM5, nedbr. af Terbutylazin)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
4-(tert-Butylamino)-6-hydroxy-1-methyl-1,3,5-triazin-2(1H)-one (SYN545666, LM6, nedbr. af Terbutylazin)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
2,6-Dihydroxy-7,7-dimethyl-6,8-dihydroimidazo[1,2a][1,3,5]triazin-4(6H)-on (LM3)	<0.010	µg/l	AK78 - LC/MS/MS	0.1
Radioaktivitet		-		
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 <1.0	Bq/l	CSN 75 7624	
Total indicative dose (TID)	*1 <0.03	mSv/år	CZ_SOP_D06_07_372	
Tritium	*1 <10	Bq/l	CSN ISO 9698	
PFAS-forbindelser, Drikkevand		-	ASTM D7979-20	
PFHpA, Perfluorheptansyre	<0.30	ng/l	ASTM D7979-20	
PFOA, Perfluoroctansyre	<0.10	ng/l	ASTM D7979-20	
PFNA, Perfluoronansyre	<0.10	ng/l	ASTM D7979-20	
PFNS, Perfluoronansulfonsyre	<0.30	ng/l	ASTM D7979-20	
PFBS, Perfluorbutansulfonsyre	<0.30	ng/l	ASTM D7979-20	
PFHxS, Perfluorhexansulfonsyre	<0.10	ng/l	ASTM D7979-20	
PFOS, Perfluoroctansulfonsyre	<0.10	ng/l	ASTM D7979-20	
PFDS, Perfluordecansulfonsyre	<0.30	ng/l	ASTM D7979-20	
PFOSA, Perfluoroctansulfonamid	<0.30	ng/l	ASTM D7979-20	
PFHxA, Perfluorhexansyre	<0.30	ng/l	ASTM D7979-20	
PFBA, Perfluorbutansyre	<1.0	ng/l	ASTM D7979-20	

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PFHpS, Perfluorheptansulfonsyre	<0.30	ng/l	ASTM D7979-20		
PFUnDA, Perfluorundecansyre	<0.30	ng/l	ASTM D7979-20		
PFPeA, Perfluorpentansyre	<0.30	ng/l	ASTM D7979-20		
PFPeS, Perfluorpentansulfonsyre	<0.30	ng/l	ASTM D7979-20		
PFDA, Perfluordecansyre	<0.30	ng/l	ASTM D7979-20		
6:2 FTS (6:2 fluortelomersulfonsyre)	<0.30	ng/l	ASTM D7979-20		
PFDoDA, Perfluordodecansyre	<0.30	ng/l	ASTM D7979-20		
PFTTrDA, Perfluortridecansyre	<1.0	ng/l	ASTM D7979-20		
PFUnDS, Perfluorundecansulfonsyre	<1.0	ng/l	ASTM D7979-20		
PFDoDS, Perfluordodecansulfonsyre	<1.0	ng/l	ASTM D7979-20		
PFTTrDS, Perfluortridecansulfonsyre	<1.0	ng/l	ASTM D7979-20		
Sum af 4 PFAS (PFHxS, PFNA, PFOA, # PFOS)	<0.20	ng/l	ASTM D7979-20		
Sum af påviste PFAS, 22 stoffer	# <10	ng/l	ASTM D7979-20		

Kommentar

Højest tilladelige værdi er overholdt for de undersøgte parametre.

Underleverandør

- *1 ALS Czech Republic s.r.o, CAI L1163
- *2 GBA Gesellschaft für Bioanalytik mbH, DAkKS D-PL-14170-01-00

Helle Hornemann

Kopimodtagere:

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