



Ordrenr: 846787
Sagsnavn: Ølsted Strands vv

ALS Denmark A/S
Bakkegårdsvej 406 A
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ANALYSERAPPORT

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

Udskrevet: 29-05-2024
Version: 1
Modtaget: 03-05-2024
Analyseperiode: 03-05-2024 -
29-05-2024
Ordrenr.: 846787

Sagsnavn: Ølsted Strands vv
Lokalitet: Ølsted Strand Vandværk
Prøvested: DGU 192.1381-1
Udtaget: 03.05.2024 kl. 09:30
Prøvetype: Råvand - Bek. 507:2023, Gruppe B, Boringskontrol + HS BTEXN, kulbrinter og chlorerede + PFAS 22 stoffer, Drikkevand +
Prøvetager: LAB/JNF
Kunde: Ølsted Strand Vandværk, Frederikssundsvej 167, 3310 Ølsted, Att. Henriette Høeg, PersonRef. Henriette Høeg

Prøvenr.:	67560/24					
Parameter	Resultat	Enhed	DL	Metode	Urel (%)	
Partikler i prøve efter konservering	#	Nej	-	-	-	
Feltmålinger:						
Prøvetagning, Boring	+	-	-	DS/ISO 5667-11:2009	-	
Gennemskylningstid	10	min	-	Målt i felten	-	
pH ved prøvetagning	7.4	pH	2	DS/EN ISO 10523:2012	-	
Temperatur ved prøvetagning	10.8	°C	0	-	-	
Ledningsevne v. ptagning	63	mS/m	1.5	DS/EN 27888:2003	15	
Iltindhold v. ptagning	1.5	mg/l	0.1	DS/EN ISO 5814:2012	15	
Laboratoriets målinger:						
Mangan, Mn	0.024	mg/l	0.002	DS/EN ISO 11885:2009	20	
Calcium, Ca++	87	mg/l	0.5	DS/EN ISO 11885:2009	15	
Magnesium, Mg++	19	mg/l	0.3	DS/EN ISO 11885:2009	15	
Kalium, K+	3.1	mg/l	0.05	DS/EN ISO 11885:2009	15	
Natrium, Na+	26	mg/l	0.3	DS/EN ISO 11885:2009	15	
Jern, Fe	1.4	mg/l	0.01	DS/EN ISO 11885:2009	20	
Ammonium+ammoniak, NH4+	0.57	mg/l	0.004	DS/ISO 15923-1:2013+DS224:1975Mod	15	
Nitrit, NO2-	<0.0010	mg/l	0.001	DS/ISO 15923-1:2013	15	
Nitrat, NO3-	<0.10	mg/l	0.1	DS/ISO 15923-1:2013 + beregning	15	
Total phosphor, P	0.0046	mg/l	0.003	DS/EN ISO 6878 Del 7:2004 + DS/EN ISO 15681-2:2018	15	
Chlorid, Cl-	37	mg/l	0.5	DS/ISO 15923-1:2013	15	
Fluorid, F-	0.61	mg/l	0.03	DS 218:1975,MOD	15	
Sulfat, SO4--	41	mg/l	0.5	DS/ISO 15923-1:2013	15	
Hydrogencarbonat, HCO3-	300	mg/l	3	DS/EN ISO 9963-1:1996	15	
Aggressiv kuldioxid, CO2	<5	mg/l	2	DS 236:1977	15	
Methan, CH4	0.036	mg/l	0.01	AK129 - HS GC/FID	20	
NVOC	1.4	mg/l	0.1	DS/EN 1484:1997+SM 5310B:2014	15	
Hydrogensulfid, H2S	<0.010	mg/l	0.010	DS 278:1976, Auto, Mod + beregning	15	
Arsen, As	0.42	µg/l	0.03	DS/EN ISO 17294-2:2016	20	
Bor, B	86	µg/l	10	DS/EN ISO 11885:2009	20	
Barium, Ba	20	µg/l	0.03	DS/EN ISO 17294-2:2016	20	
Kobolt, Co	0.037	µg/l	0.030	DS/EN ISO 17294-2:2016	20	
Nikkel, Ni	0.98	µg/l	0.03	DS/EN ISO 17294-2:2016	20	
HS BTEXN						
Benzen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	
Toluen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	
Ethylbenzen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	
Xylener (o-,m- og p-xylen)	<0.040	µg/l	0.04	DS/EN ISO 10301:2000	20	
Naphtalen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	
Kulbrinter i vand						
Kulbrinter n-C6 - n-C10	#	<5.0	µg/l	5	AK61 - GC/FID/pentan	30
Kulbrinter >n-C10 - n-C15	#	<5.0	µg/l	5	AK61 - GC/FID/pentan	30
Kulbrinter >n-C15 - n-C20	#	<5.0	µg/l	5	AK61 - GC/FID/pentan	30
Kulbrinter >n-C20 - n-C35	#	<5.0	µg/l	5	AK61 - GC/FID/pentan	30
Total kulbrinter (C6-C35)		<5.0	µg/l	5	AK61 - GC/FID/pentan	30
HS Chlorerede opl.midler						
Trichlormethan (Chloroform)	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	
1,1,1-trichlorethan	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20	

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Laboratoriet er akkrediteret af DANAK. Analyseresultaterne gælder kun for den analyserede prøve. Analyserapporten må kun gengives i sin helhed, medmindre skriftlig godkendelse foreligger.

Tegnforklaring, Resultat:
i.p.: Ikke påvist, -: analysen er ikke udført
i rapporten betyder ikke akkrediteret



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Tetrachlormethan	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20
Trichlorethylen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20
Tetrachlorethylen	<0.020	µg/l	0.020	DS/EN ISO 10301:2000	20
2,6-dichlorphenol	<0.010	µg/l	0.010	AK158 - GC/MS	30
1,2,4-triazol	<0.010	µg/l	0.010	AK207 - LC/MS/MS	30
Pesticider, Drikkevand grundpakke LC/MS	-	-	-	- LC/MS/MS	-
Pesticider, Drikkevand grundpakke GC/MS	-	-	-	- GC/MS	-
2,6-DCPP (2-(2,6-dichlorphenoxypropionsyre)), 2,6-dichlorprop	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
4-CPP, (4-Chlorprop)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Aminomethylphosphonsyre, AMPA	<0.010	µg/l	0.010	AK144 - LC/MS/MS	30
Atrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Bentazon	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
ETU (Ethylenthiourea)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
2,6-dichlorbenzoesyre	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desphenyl-chloridazon, DPC	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Imazalil	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Methyl-desphenyl-chloridazon	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
4-nitrophenol	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
2,4-dichlorphenol	<0.010	µg/l	0.010	AK158 - GC/MS	30
Desethylatrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desethyl-desisopropylatrazin (DEIA)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desethyl-hydroxy-atrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desethylterbutylazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desisopropylatrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Dichlobenil	<0.010	µg/l	0.010	AK78 - GC/MS	30
Dichlorprop(2,4-DP)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Didealkyl-hydroxy-atrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Glyphosat	<0.010	µg/l	0.010	AK144 - LC/MS/MS	30
Hexazinon	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Hydroxyatrazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Hydroxysimazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
MCPA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Mechlorprop(MCPP)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Metamitron-desamino	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
PPU (IN 70941), (Nedbr. af Rimsulfuron)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Simazin	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
TFMP	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Pentachlorbenzen	<0.010	µg/l	0.010	AK158 - GC/MS/SIM	30
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	0.010	AK207 - LC/MS/MS	30
Chlorothalonilamid-sulfonsyre (R417888)	<0.0050	µg/l	0.005	AK78 - LC/MS/MS	30
Pesticider, DRV BEK 1023:2023	-	-	-	- LC/MS/MS	-
Alachlor ESA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Dimethachlor ESA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Dimethachlor OA (CGA 50266)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Metazachlor ESA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Metazachlor OA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Propachlor ESA	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
t-Sulfinyleddikesyre (Acetochlor SAA)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
CGA 369873 (Dimethachlor metab.)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
[(2,6-Dimethylphenyl)(2-sulfoacetyl)amino]eddikesyre	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Metaldehyd	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
Monuron	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
4-Bis-amido-3,5,6-trichlorobenzenesulfonat (R471811) (Nedbr. af Chlorothalonil)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30
6-(tert-Butylamino)-1,3,5-triazine-2,4-diol (CGA324007, LM5, nedbr. af Terbutylazin)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30

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4-(tert-Butylamino)-6-hydroxy-1-methyl-1,3,5-triazin-2(1H)-one (SYN545666, LM6, nedbr. af Terbutylazin)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30	
2,6-Dihydroxy-7,7-dimethyl-6,8-dihydroimidazo[1,2a][1,3,5]triazin-4(6H)-on (LM3)	<0.010	µg/l	0.010	AK78 - LC/MS/MS	30	
PFAS-forbindelser, Drikkevand		-		ASTM D7979-20		
PFHpA, Perfluorheptansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFOA, Perfluoroctansyre	<0.10	ng/l	0.1	ASTM D7979-20	40	
PFNA, Perfluorononansyre	<0.10	ng/l	0.1	ASTM D7979-20	40	
PFNS, Perfluornonansulfonsyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFBS, Perfluorbutansulfonsyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFHxS, Perfluorhexansulfonsyre	<0.10	ng/l	0.1	ASTM D7979-20	40	
PFOS, Perfluoroctansulfonsyre	<0.10	ng/l	0.1	ASTM D7979-20	40	
PFDS, Perfluordecansulfonsyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFOSA, Perfluoroctansulfonamid	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFHxA, Perfluorhexansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFBA, Perfluorbutansyre	<1.0	ng/l	1.0	ASTM D7979-20	40	
PFHpS, Perfluorheptansulfonsyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFUnDA, Perfluorundecansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFPeA, Perfluorpentansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFPeS, Perfluorpentansulfonsyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFDA, Perfluordecansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
6:2 FTS (6:2 fluortelomersulfonsyre)	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFDoDA, Perfluordodecansyre	<0.30	ng/l	0.3	ASTM D7979-20	40	
PFTTrDA, Perfluortridecansyre	<1.0	ng/l	1.0	ASTM D7979-20	40	
PFUnDS, Perfluorundecansulfonsyre	<1.0	ng/l	1.0	ASTM D7979-20	40	
PFDoDS, Perfluordodecansulfonsyre	<1.0	ng/l	1.0	ASTM D7979-20	40	
PFTTrDS, Perfluortridecansulfonsyre	<1.0	ng/l	1.0	ASTM D7979-20	40	
Sum af 4 PFAS (PFHxS, PFNA, PFOA, # PFOS)	<0.20	ng/l	0.2	ASTM D7979-20	40	
Sum af påviste PFAS, 22 stoffer	#	<10	ng/l	10	ASTM D7979-20	40

Kommentar

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

Thit Juhl Jacobsen

Kopimodtagere:

Halsnæs Kommune, Rådhuspladsen 1, 3300 Frederiksværk