



TEST Reg.nr. 361

ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
Telefon: +45 4925 0770
www.alsglobal.dk

ANALYSERAPPORT

Forsyning Helsingør-Vand A/S
Energivej 25
3000 Helsingør
Att.: Jørgen Winkel Svendsen

Udskrevet: 08-09-2021
Version: 1
Modtaget: 27-07-2021
Analyseperiode: 27-07-2021 -
08-09-2021
Ordrenr.: 654369

Sagsnavn: Espergærde vv
Lokalitet: Espergærde Vandværk
Prøvested: Afgang værk, 3060 Espergærde
Udtaget: 27.07.2021 kl. 10:30:00
Prøvetype: Drikkevand - Bek. 1110:2021, Gruppe B
Prøvetager: LAB/DBH
Kunde: Forsyning Helsingør-Vand A/S, Energivej 25, 3000 Helsingør, Att. Jørgen Winkel Svendsen

Prøvenr.:	148885/21			
Parameter	Resultat	Enhed	Metode	
Partikler i prøve efter konservering	#	Nej	-	-
Prøvetagning, Taphane (m. flush)		+	- DS/EN ISO 19458:2006+MST Manual Ptag 4.udg.2017	
Lugt	#	Ingen lugt (1)	-	-
Smag	#	Ingen (1)	-	-
pH ved prøvetagning		7.7	pH	DS/EN ISO 10523:2012
Temperatur ved prøvetagning		9.7	°C	-
Ledningsevne v. ptagning		62	mS/m	DS/EN 27888:2003
Iltindhold v. ptagning		9.8	mg/l	DS/EN ISO 5814:2012
Kimtal ved 22 °C		9	cfu/ml	DS/EN ISO 6222:2000/Till.1:2002
Kimtal ved 37 °C		<1	cfu/ml	DS/EN ISO 6222:2000/Till.1:2002
Coliforme bakterier		<1	Pr. 100 ml	DS/EN ISO 9308- 1:2014/A1:2017
E. Coli		<1	cfu/100 ml	DS/EN ISO 9308- 1:2014/A1:2017
Turbiditet		0.13	FNU	DS/EN ISO 7027-1:2016
Fluorid, F-		0.47	mg/l	DS/EN ISO 10304-1:2009
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009
Calcium, Ca ⁺⁺		65	mg/l	DS/EN ISO 11885:2009
Magnesium, Mg ⁺⁺		28	mg/l	DS/EN ISO 11885:2009
Natrium, Na ⁺		30	mg/l	DS/EN ISO 11885:2009
Jern, Fe		0.015	mg/l	DS/EN ISO 11885:2009
Ammonium+ammoniak, NH ₄ ⁺		0.0061	mg/l	DS/ISO 15923- 1:2013+DS224:1975Mod
Nitrit, NO ₂ ⁻		0.0069	mg/l	DS/ISO 15923-1:2013
Nitrat, NO ₃ ⁻		1.9	mg/l	DS/ISO 15923-1:2013 + beregning
Chlorid, Cl ⁻		37	mg/l	DS/ISO 15923-1:2013
Sulfat, SO ₄ ⁻⁻		1.5	mg/l	DS/ISO 15923-1:2013
Farvetal, Pt		3.8	Pt mg/l	DS/EN ISO 7887 C:2012
Hydrogensulfid, H ₂ S		<0.020	mg/l	DS 278:1976
Methan, CH ₄		<0.010	mg/l	AK129 - HS GC/FID
NVOC		1.6	mg/l	DS/EN 1484:1997+SM 5310B:2014
Bor, B		130	µg/l	DS/EN ISO 11885:2009
Cyanid CN, total		<1.0	µg/l	DS/EN ISO 14403-2:2012
Aluminium, Al		1.1	µg/l	DS/EN ISO 17294-2:2016
Antimon, Sb		<0.20	µg/l	DS/EN ISO 17294-2:2016
Arsen, As		0.10	µg/l	DS/EN ISO 17294-2:2016
Bly, Pb		0.096	µg/l	DS/EN ISO 17294-2:2016
Cadmium, Cd		<0.0030	µg/l	DS/EN ISO 17294-2:2016
Chrom, Cr		0.046	µg/l	DS/EN ISO 17294-2:2016

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Laboratoriet er akkrediteret af DANAK. Analyseresultaterne gælder kun for de(n) analyserede prøve(r).
Analyserapporten må kun gengives i sin helhed, med mindre skriftlig godkendelse foreligger
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Parameter	Resultat	Enhed	Metode
Kobber, Cu	0.00058	mg/l	DS/EN ISO 17294-2:2016
Kobolt, Co	0.032	µg/l	DS/EN ISO 17294-2:2016
Kviksølv, Hg	*1 <0.002	µg/l	SS EN ISO 17852:2008
Nikkel, Ni	0.15	µg/l	DS/EN ISO 17294-2:2016
Selen, Se	<0.050	µg/l	DS/EN ISO 17294-2:2016
Zink, Zn	0.0049	mg/l	DS/EN ISO 17294-2:2016
HS drikkevand			
Benzen	<0.020	µg/l	DS/EN ISO 10301:2000
Trichlormethan (Chloroform)	<0.020	µg/l	DS/EN ISO 10301:2000
1,1,1-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
1,1,2-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
Trichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
Tetrachlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
Vinylchlorid	<0.020	µg/l	DS/EN ISO 10301:2000
1,1-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
trans-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
cis-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
1,2-dichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
Dichlormethan	<0.10	µg/l	DS/EN ISO 10301:2000
Phenoler og chlorphenoler			
Phenol	<0.050	µg/l	AK158 - GC/MS
2-methylphenol (o-cresol)	<0.020	µg/l	AK158 - GC/MS
3-methylphenol (m-cresol)	<0.020	µg/l	AK158 - GC/MS
4-methylphenol (p-cresol)	<0.020	µg/l	AK158 - GC/MS
2,3-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,6-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
3,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
3,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
4-chlor-2-methylphenol	<0.010	µg/l	AK158 - GC/MS
2,6-dichlorphenol	<0.010	µg/l	AK158 - GC/MS
2,4,6-trichlorphenol	<0.020	µg/l	AK158 - GC/MS
2,3,4,6-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS
6-chlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS
4,6-dichlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS
2,3,4,5-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS
4-chlor-3-methylphenol	<0.020	µg/l	AK158 - GC/MS
Pentachlorphenol	<0.010	µg/l	AK158 - GC/MS
Pesticider, Drikkevand grundpakke			
Pesticider, vand 4 stoffer			
1,2,4-triazol	<0.010	µg/l	AK207 - LC/MS/MS
2,6-DCPP (2-(2,6-dichlorphenoxy-propionsyre)), 2,6-dichlorprop	<0.010	µg/l	AK78 - LC/MS/MS
2,6-dichlorbenzoesyre	<0.010	µg/l	AK78 - LC/MS/MS
4-CPP, (4-Chlorprop)	<0.010	µg/l	AK78 - LC/MS/MS
Aminomethylphosphorsyre, AMPA	<0.010	µg/l	AK144 - LC/MS/MS
Atrazin	<0.010	µg/l	AK78 - LC/MS/MS
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	AK78 - LC/MS/MS
Bentazon	<0.010	µg/l	AK78 - LC/MS/MS
Heptachlor	<0.010	µg/l	AK158 - GC/MS
Aldrin	<0.010	µg/l	AK158 - GC/MS
Heptachlorepoxid	<0.010	µg/l	AK158 - GC/MS
Dieldrin	<0.010	µg/l	AK158 - GC/MS
Desphenyl-chloridazon	<0.010	µg/l	AK78 - LC/MS/MS
Methyl-desphenyl-chloridazon	<0.010	µg/l	AK78 - LC/MS/MS
4-nitrophenol	<0.010	µg/l	AK78 - LC/MS/MS
2,4-dichlorphenol	<0.010	µg/l	AK158 - GC/MS
Desethylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desethyldeisopropylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desethyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS

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Desethylterbutylazin	<0.010	µg/l	AK78 - LC/MS/MS
Desisopropylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS
Dichlobenil	<0.010	µg/l	AK78 - GC/MS
Dichlorprop(2,4-DP)	<0.010	µg/l	AK78 - LC/MS/MS
Didealkyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS
Pesticider, Frugtav (Diuron)	-	-	AK78 - LC/MS/MS
Diuron	<0.010	µg/l	AK78 - LC/MS/MS
ETU (Ethylenthiourea)	<0.010	µg/l	AK78 - LC/MS/MS
Glyphosat	<0.010	µg/l	AK144 - LC/MS/MS
Hexazinon	<0.010	µg/l	AK78 - LC/MS/MS
Hydroxyatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Hydroxysimazin	<0.010	µg/l	AK78 - LC/MS/MS
MCPA	<0.010	µg/l	AK78 - LC/MS/MS
Mechlorprop(MCPP)	<0.010	µg/l	AK78 - LC/MS/MS
Simazin	<0.010	µg/l	AK78 - LC/MS/MS
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	AK207 - LC/MS/MS
Chlorothalonilamid-sulfonsyre	<0.0050	µg/l	AK78 - LC/MS/MS
Pesticider, DRV BEK 1110: 2021	-	-	-- LC/MS/MS
Alachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Dimethachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Dimethachlor OA	<0.010	µg/l	AK78 - LC/MS/MS
Metazachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Metazachlor OA	<0.010	µg/l	AK78 - LC/MS/MS
Propachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS

Kommentar

Højst tilladelige værdi er overholdt for de undersøgte parametre.

Underleverandør

*1 ALS Scandinavia AB, SWEDAC 2030

Helle Hornemann

Kopimodtagere:

Helsingør Kommune
Center for By, Land og Vand, Vandforsyninger, Prøvestensvej 52, 3000 Helsingør



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Forsyning Helsingør-Vand A/S
 Energivej 25
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 Att.: Jørgen Winkel Svendsen

Udskrevet: 08-09-2021
Version: 1
Modtaget: 27-07-2021
Analyseperiode: 27-07-2021 -
 08-09-2021
Ordrenr.: 654370

Sagsnavn: Hellebæk vv
Lokalitet: Hellebæk Vandværk
Prøvested: Afgang værk spor 1, 3150 Hellebæk
Udtaget: 27.07.2021 kl. 12:13:00
Prøvetype: Drikkevand - Bek. 1110:2021, Gruppe B
Prøvetager: LAB/DBH
Kunde: Forsyning Helsingør-Vand A/S, Energivej 25, 3000 Helsingør, Att. Jørgen Winkel Svendsen

Prøvenr.:	148886/21					
Parameter	Resultat	Enhed	Metode	Grænseværdi	Forbruger taphane jvf BEK 1110:2021	
Partikler i prøve efter konservering	#	Nej	-	-		
Prøvetagning, Taphane (u. flush)		+	- DS/EN ISO 19458:2006+MST Manual Ptag 4.udg.2017			
Prøvetagning, Taphane (m. flush)		+	- DS/EN ISO 19458:2006+MST Manual Ptag 4.udg.2017			
Lugt	#	Ingen lugt (1)	-	-	Vandet må ikke have en afvigende smag og lugt, desinfektionsmidler undtaget	
Smag	#	Ingen (1)	-	-	Vandet må ikke have en afvigende smag og lugt, desinfektionsmidler undtaget	
pH ved prøvetagning		7.5	pH	DS/EN ISO 10523:2012	7 - 8.5	Vandet må ikke være kalkaggressivt
Temperatur ved prøvetagning		9.7	°C	-	-	Det bør tilstræbes, at vandet er højst 12°C ved taphanen
Ledningsevne v. ptagning		65	mS/m	DS/EN 27888:2003	30 mS/m	Vandets ledningsevne bør som minimum være 30 mS/m ved 25 °C
Iltindhold v. ptagning		8.9	mg/l	DS/EN ISO 5814:2012		Skal ikke måles hvis der er NVOC på prøven
Kimtal ved 22 °C		10	cfu/ml	DS/EN ISO 6222:2000/Till.1:2002	200	
Kimtal ved 37 °C		<1	cfu/ml	DS/EN ISO 6222:2000/Till.1:2002		
Coliforme bakterier		<1	Pr. 100 ml	DS/EN ISO 9308-1:2014/A1:2017	<1	
E. Coli		<1	cfu/100 ml	DS/EN ISO 9308-1:2014/A1:2017	<1	
Turbiditet		<0.050	FNU	DS/EN ISO 7027-1:2016	1 FNU	
Fluorid, F-		0.25	mg/l	DS/EN ISO 10304-1:2009	1.5 mg/l	
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009	0.05 mg/l	
Calcium, Ca++		99	mg/l	DS/EN ISO 11885:2009		Indholdet bør ikke overstige 200 mg/l
Magnesium, Mg++		13	mg/l	DS/EN ISO 11885:2009	50 mg/l	
Natrium, Na+		22	mg/l	DS/EN ISO 11885:2009	175 mg/l	
Jern, Fe		0.010	mg/l	DS/EN ISO 11885:2009	0.2 mg/l	
Ammonium+ammoniak, NH4+		0.011	mg/l	DS/ISO 15923-1:2013+DS224:1975Mod	0.05 mg/l	
Nitrit, NO2-		0.0022	mg/l	DS/ISO 15923-1:2013	0.1 mg/l	
Nitrat, NO3-		2.3	mg/l	DS/ISO 15923-1:2013 + beregning	50 mg/l	
Chlorid, Cl-		39	mg/l	DS/ISO 15923-1:2013		
Sulfat, SO4--		24	mg/l	DS/ISO 15923-1:2013	250 mg/l	
Farvetal, Pt		7.6	Pt mg/l	DS/EN ISO 7887 C:2012	15 mg Pt/l	Såfremt kvalitetskravet ved indgang til ejendom er overholdt, kan der tillades højere værdi ved afgang fra vandværk dog maksimalt 15.
Hydrogensulfid, H2S		<0.020	mg/l	DS 278:1976	0.05 mg/l	
Methan, CH4		<0.010	mg/l	AK129 - HS GC/FID	0.01 mg/l	

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Prøvenr.:	148886/21				
Parameter	Resultat	Enhed	Metode	Grænseværdi	Forbruger taphane jvf BEK 1110:2021
NVOC	3.0	mg/l	DS/EN 1484:1997+SM 5310B:2014	4 mg/l	
Bor, B	35	µg/l	DS/EN ISO 11885:2009	1000 µg/l	
Cyanid CN, total	<1.0	µg/l	DS/EN ISO 14403-2:2012	50 µg/l	
Aluminium, Al	1.0	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	0.13	µg/l	DS/EN ISO 17294-2:2016	5 µg/l	
Bly, Pb	0.074	µg/l	DS/EN ISO 17294-2:2016	5 µg/l	
Cadmium, Cd	<0.0030	µg/l	DS/EN ISO 17294-2:2016	3 µg/l	
Chrom, Cr	0.044	µg/l	DS/EN ISO 17294-2:2016	50 µg/l	
Kobber, Cu	0.0020	mg/l	DS/EN ISO 17294-2:2016	2000 µg/l	
Kobolt, Co	0.025	µg/l	DS/EN ISO 17294-2:2016	5 µg/l	
Kviksølv, Hg	*1 <0.002	µg/l	SS EN ISO 17852:2008	1 µg/l	
Nikkel, Ni	0.26	µg/l	DS/EN ISO 17294-2:2016	20 µg/l	
Selen, Se	<0.050	µg/l	DS/EN ISO 17294-2:2016	10 µg/l	
Zink, Zn	0.0013	mg/l	DS/EN ISO 17294-2:2016	3 mg/l	
HS drikkevand		-	DS/EN ISO 10301:2000		
Benzen	<0.020	µg/l	DS/EN ISO 10301:2000	1 µg/l	
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	
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	
Phenoler og chlorphenoler		-	AK158 - GC/MS		
Phenol	<0.050	µg/l	AK158 - GC/MS	0.5 µg/l	
2-methylphenol (o-cresol)	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
3-methylphenol (m-cresol)	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
4-methylphenol (p-cresol)	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
2,3-dimethylphenol	<0.020	µg/l	AK158 - GC/MS		
2,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
2,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
2,6-dimethylphenol	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
3,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
3,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS	0.5 µg/l	
4-chlor-2-methylphenol	<0.010	µg/l	AK158 - GC/MS	0.1 µg/l	l
2,6-dichlorphenol	<0.010	µg/l	AK158 - GC/MS	0.1 µg/l	
2,4,6-trichlorphenol	<0.020	µg/l	AK158 - GC/MS	0.1 µg/l	l
2,3,4,6-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS	0.1 µg/l	l
6-chlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS	0.1 µg/l	l
4,6-dichlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS		
2,3,4,5-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS	0.1 µg/l	l
4-chlor-3-methylphenol	<0.020	µg/l	AK158 - GC/MS	0.1 µg/l	l
Pentachlorphenol	<0.010	µg/l	AK158 - GC/MS	0.01 µg/l	
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	

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Parameter	Resultat	Enhed	Metode	Grænseværdi	Forbruger taphane jvf BEK 1110:2021
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	
Methyl-desphenyl-chloridazon	<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	I
Desethylatrazin	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
Desethyl-desisopropylatrazin	<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, Frugtav (Diuron)		-	AK78 - LC/MS/MS		
Diuron	<0.010	µg/l	AK78 - LC/MS/MS	0.1 µg/l	
ETU (Ethylenthiourea)	<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	
Simazin	<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	<0.0050	µg/l	AK78 - LC/MS/MS	0,1 µg/l	
Pesticider, DRV BEK 1110: 2021		-	-- 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	

Kommentar

Højst tilladelige værdi er overholdt for de undersøgte parametre.

Underleverandør

*1 ALS Scandinavia AB, SWEDAC 2030

Helle Hornemann

Kopimodtagere:

Helsingør Kommune
Center for By, Land og Vand, Vandforsyninger, Prøvestensvej 52, 3000 Helsingør

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Laboratoriet er akkrediteret af DANAK. Analyseresultaterne gælder kun for de(n) analyserede prøve(r).
Analyserapporten må kun gengives i sin helhed, med mindre skriftlig godkendelse foreligger
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ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
Telefon: +45 4925 0770
www.alsglobal.dk

ANALYSERAPPORT

Forsyning Helsingør-Vand A/S
Haderslevvej 25
3000 Helsingør
Att.: Jørgen Winkel Svendsen

Udskrevet: 25-08-2021
Version: 1
Modtaget: 27-07-2021
Analyseperiode: 27-07-2021 -
25-08-2021
Ordrenr.: 661592

Sagsnavn Snekkersten vv
Lokalitet: Snekkersten Vandværk
Prøvested: Afgang værk, 3070 Snekkersten
Prøve ID: Høj zone før UV
Udtaget: 27.07.2021 kl. 09:18:00
Prøvetype: Drikkevand - Bek. 1110:2021, Gruppe B
Prøvetager: LAB/DBH
Kunde: Forsyning Helsingør-Vand A/S, Haderslevvej 25, 3000 Helsingør, Att. Jørgen Winkel Svendsen

Prøvenr.:	179484/21			
Parameter	Resultat	Enhed	Metode	
Partikler i prøve efter konservering	#	Nej	-	-
Prøvetagning, Taphane (u. flush)		+	- DS/EN ISO 19458:2006+MST Manual Ptag 4.udg.2017	
Prøvetagning, Taphane (m. flush)		+	- DS/EN ISO 19458:2006+MST Manual Ptag 4.udg.2017	
Lugt	#	Ingen lugt (1)	-	-
Smag	#	Ingen (1)	-	-
pH ved prøvetagning		7.9	pH	DS/EN ISO 10523:2012
Temperatur ved prøvetagning		10.3	°C	-
Ledningsevne v. ptagning		55	mS/m	DS/EN 27888:2003
Iltindhold v. ptagning		9.7	mg/l	DS/EN ISO 5814:2012
Kimtal ved 22 °C		5	Pr. ml	DS/EN ISO 6222:2000/Till.1:2002
Kimtal ved 37 °C		<1	Pr. ml	DS/EN ISO 6222:2000/Till.1:2002
Coliforme bakterier		<1	Pr. 100 ml	DS/EN ISO 9308- 1:2014/A1:2017
E. Coli		<1	cfu/100 ml	DS/EN ISO 9308- 1:2014/A1:2017
Turbiditet		<0.050	FNU	DS/EN ISO 7027-1:2016
Fluorid, F-		0.42	mg/l	DS/EN ISO 10304-1:2009
Mangan, Mn		<0.0020	mg/l	DS/EN ISO 11885:2009
Calcium, Ca++		62	mg/l	DS/EN ISO 11885:2009
Magnesium, Mg++		22	mg/l	DS/EN ISO 11885:2009
Natrium, Na+		18	mg/l	DS/EN ISO 11885:2009
Jern, Fe		<0.010	mg/l	DS/EN ISO 11885:2009
Ammonium+ammoniak, NH4+		<0.0040	mg/l	DS/ISO 15923- 1:2013+DS224:1975Mod
Nitrit, NO2-		0.0015	mg/l	DS/ISO 15923-1:2013
Nitrat, NO3-		1.8	mg/l	DS/ISO 15923-1:2013 + beregning
Chlorid, Cl-		24	mg/l	DS/ISO 15923-1:2013
Sulfat, SO4--		6.4	mg/l	DS/ISO 15923-1:2013
Farvetal, Pt		6.1	Pt mg/l	DS/EN ISO 7887 C:2012
Hydrogensulfid, H2S		<0.020	mg/l	DS 278:1976
Methan, CH4		<0.010	mg/l	AK129 - HS GC/FID
NVOC		1.9	mg/l	DS/EN 1484:1997+SM 5310B:2014
Bor, B		82	µg/l	DS/EN ISO 11885:2009
Cyanid CN, total		<1.0	µg/l	DS/EN ISO 14403-2:2012
Aluminium, Al		1.0	µg/l	DS/EN ISO 17294-2:2016
Antimon, Sb		<0.20	µg/l	DS/EN ISO 17294-2:2016
Arsen, As		0.12	µg/l	DS/EN ISO 17294-2:2016

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ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
Telefon: +45 4925 0770
www.alsglobal.dk

ANALYSERAPPORT

Prøvenr.:	179484/21		
Parameter	Resultat	Enhed	Metode
Bly, Pb	<0.025	µg/l	DS/EN ISO 17294-2:2016
Cadmium, Cd	<0.0030	µg/l	DS/EN ISO 17294-2:2016
Chrom, Cr	0.041	µg/l	DS/EN ISO 17294-2:2016
Kobber, Cu	0.00018	mg/l	DS/EN ISO 17294-2:2016
Kobolt, Co	0.022	µg/l	DS/EN ISO 17294-2:2016
Kviksølv, Hg	*1 <0.002	µg/l	SS EN ISO 17852:2008
Nikkel, Ni	0.040	µg/l	DS/EN ISO 17294-2:2016
Selen, Se	<0.050	µg/l	DS/EN ISO 17294-2:2016
Zink, Zn	0.00057	mg/l	DS/EN ISO 17294-2:2016
HS drikkevand		-	DS/EN ISO 10301:2000
Benzen	<0.020	µg/l	DS/EN ISO 10301:2000
Trichlormethan (Chloroform)	<0.020	µg/l	DS/EN ISO 10301:2000
1,1,1-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
1,1,2-trichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
Trichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
Tetrachlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
Vinylchlorid	<0.020	µg/l	DS/EN ISO 10301:2000
1,1-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
trans-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
cis-1,2-dichlorethylen	<0.020	µg/l	DS/EN ISO 10301:2000
1,2-dichlorethan	<0.020	µg/l	DS/EN ISO 10301:2000
Dichlormethan	<0.10	µg/l	DS/EN ISO 10301:2000
Phenoler og chlorphenoler		-	AK158 - GC/MS
Phenol	<0.050	µg/l	AK158 - GC/MS
2-methylphenol (o-cresol)	<0.020	µg/l	AK158 - GC/MS
3-methylphenol (m-cresol)	<0.020	µg/l	AK158 - GC/MS
4-methylphenol (p-cresol)	<0.020	µg/l	AK158 - GC/MS
2,3-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
2,6-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
3,4-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
3,5-dimethylphenol	<0.020	µg/l	AK158 - GC/MS
4-chlor-2-methylphenol	<0.010	µg/l	AK158 - GC/MS
2,6-dichlorphenol	<0.010	µg/l	AK158 - GC/MS
2,4,6-trichlorphenol	<0.020	µg/l	AK158 - GC/MS
2,3,4,6-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS
6-chlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS
4,6-dichlor-2-methylphenol	<0.020	µg/l	AK158 - GC/MS
2,3,4,5-tetrachlorphenol	<0.020	µg/l	AK158 - GC/MS
4-chlor-3-methylphenol	<0.020	µg/l	AK158 - GC/MS
Pentachlorphenol	<0.010	µg/l	AK158 - GC/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
2,6-DCPP (2-(2,6-dichlorphenoxypropionsyre)), 2,6-dichlorprop	<0.010	µg/l	AK78 - LC/MS/MS
2,6-dichlorbenzoesyre	<0.010	µg/l	AK78 - LC/MS/MS
4-CPP, (4-Chlorprop)	<0.010	µg/l	AK78 - LC/MS/MS
Aminomethylphosphorsyre, AMPA	<0.010	µg/l	AK144 - LC/MS/MS
Atrazin	<0.010	µg/l	AK78 - LC/MS/MS
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	AK78 - LC/MS/MS
Bentazon	<0.010	µg/l	AK78 - LC/MS/MS
Heptachlor	<0.010	µg/l	AK158 - GC/MS
Aldrin	<0.010	µg/l	AK158 - GC/MS
Heptachlorepoxyd	<0.010	µg/l	AK158 - GC/MS
Dieldrin	<0.010	µg/l	AK158 - GC/MS
Desphenyl-chloridazon	<0.010	µg/l	AK78 - LC/MS/MS
Methyl-desphenyl-chloridazon	<0.010	µg/l	AK78 - LC/MS/MS
4-nitrophenol	<0.010	µg/l	AK78 - LC/MS/MS
2,4-dichlorphenol	<0.010	µg/l	AK158 - GC/MS

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TEST Reg.nr. 361

ALS Denmark A/S
Bakkegårdsvej 406 A
DK-3050 Humlebæk
Telefon: +45 4925 0770
www.alsglobal.dk

ANALYSERAPPORT

Prøvenr.:	179484/21		
Parameter	Resultat	Enhed	Metode
Desethylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desethyldeisopropylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desethyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desethylterbutylazin	<0.010	µg/l	AK78 - LC/MS/MS
Desisopropylatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS
Dichlobenil	<0.010	µg/l	AK78 - GC/MS
Dichlorprop(2,4-DP)	<0.010	µg/l	AK78 - LC/MS/MS
Didealkyl-hydroxy-atrazin	<0.010	µg/l	AK78 - LC/MS/MS
Pesticider, Frugtav (Diuron)		-	AK78 - LC/MS/MS
Diuron	<0.010	µg/l	AK78 - LC/MS/MS
ETU (Ethylenthiourea)	<0.010	µg/l	AK78 - LC/MS/MS
Glyphosat	<0.010	µg/l	AK144 - LC/MS/MS
Hexazinon	<0.010	µg/l	AK78 - LC/MS/MS
Hydroxyatrazin	<0.010	µg/l	AK78 - LC/MS/MS
Hydroxysimazin	<0.010	µg/l	AK78 - LC/MS/MS
MCPA	<0.010	µg/l	AK78 - LC/MS/MS
Mechlorprop(MCPP)	<0.010	µg/l	AK78 - LC/MS/MS
Simazin	<0.010	µg/l	AK78 - LC/MS/MS
N,N-Dimethylsulfamid (DMS)	<0.010	µg/l	AK207 - LC/MS/MS
Chlorothalonilamid-sulfonsyre	<0.0050	µg/l	AK78 - LC/MS/MS
Pesticider, DRV BEK 1110: 2021		-	-- LC/MS/MS
Alachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Dimethachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Dimethachlor OA	<0.010	µg/l	AK78 - LC/MS/MS
Metazachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS
Metazachlor OA	<0.010	µg/l	AK78 - LC/MS/MS
Propachlor ESA	<0.010	µg/l	AK78 - LC/MS/MS

Kommentar

Højest tilladelige værdi er overholdt for de undersøgte parametre.

Underleverandør

*1 ALS Scandinavia AB, SWEDAC 2030

Helle Hornemann

Kopimodtagere:

Helsingør Kommune
Center for By, Land og Vand, Vandforsyninger, Prøvestensvej 52, 3000 Helsingør