



ANALYSERAPPORT

Archiland A/S
Rentemestervej 23A
2400 København NV
Att.: Katrine Staal-Thomsen

Udskrevet: 01-07-2018
Version: 1
Modtaget: 15-06-2018
Påbegyndt: 15-06-2018
Ordrenr.: 448116

Sagsnavn: Grundvandsovervågning Frederiksberg
Lokalitet: Grundvandsovervågning Frederiksberg
Prøvested: DGU 201.7924 FF5-1
Udtaget: 15.06.2018 kl. 15:05:00
Prøvetype: Råvand - Enkeltparametre + Hovedbestanddele, Frederiksberg + HS Chlorerede og nedbrydning + DRV, Tillæg chlorerede + HS BTEXN + HS MTBE + DRV, Pentachlorphenol + Pesticider, drikkevand grundpakke + Pesticider, drikkevand diuron + Pesticider, drikkevand Kartoffelavl + PFAS-forbindelser, MST 12 stoffer + DEHP i vand +
Prøvetager: Lab/DKH
Kunde: Frederiksberg Forsyning A/S, Stæhr Johansensvej 38, 2000 Frederiksberg C

Prøvenr.:	82323/18				
Parameter	Resultat	Enhed	DL	Metode	Urel (%)
FELTMÅLINGER:	-	-	-	-	-
Prøvetagning, Drikkevand				DS/EN ISO 19458:2006+MST Manual Pttag 4.udg.2017	
pH ved prøvetagning	7.1	pH		DS/EN ISO 10523:2012	
Ledningsevne v. pttagning	93	mS/m		DS/EN 27888:2003	
Iltindhold v. pttagning	0.3	mg/l	0.1	DS/EN ISO 5814:2012	
Laboratoriets målinger:					
Ledningsevne	100	mS/m	1	DS/EN 27888:2003	3
Ammonium+ammoniak, Filt Felt	0.40	mg/l	0.003	SM 17udg. 4500-NH3	10
Nitrat, NO3-, Filt Felt	<0.10	mg/l	0.1	DS/ISO 15923:2013	10
Jern, Fe, opløst	3.1	mg/l	0.01	DS/EN ISO 11885:2009	10
Calcium, Ca++	130	mg/l	0.5	DS/EN ISO 11885:2009	10
Magnesium, Mg++	25	mg/l	0.3	DS/EN ISO 11885:2009	10
Kalium, K+	3.4	mg/l	0.05	DS/EN ISO 11885:2009	10
Natrium, Na+	37	mg/l	0.1	DS/EN ISO 11885:2009	10
Mangan, Mn	0.055	mg/l	0.001	DS/EN ISO 11885:2009	10
Nitrit, NO2-	<0.001	mg/l	0.001	DS/ISO 15923:2013	10
Oxygen, opløst, O2	0.3	mg/l	0.1	DS 2205:1990	15
NVOC, Filt Felt	1.8	mg/l	0.1	DS/EN 1484:1997	15
Total phosphor, P	0.023	mg/l	0.003	DS/EN ISO 6878:2004 Del 7	10
Chlorid, Cl-	68	mg/l	0.5	DS/ISO 15923:2013	10
Fluorid, F-	0.54	mg/l	0.03	DS 218:1975,MOD	10
Sulfat, SO4--	130	mg/l	0.5	DS/ISO 15923:2013	10
Hydrogencarbonat, HCO3-	350	mg/l	3	DS/EN ISO 9963-1:1996	5
Aggressiv kuldioxid, CO2	<5	mg/l	2	DS 236:1977	10
Inddampningsrest	680	mg/l	10	DS 204:1980	10
Hydrogensulfid, H2S	<0.01	mg/l	0.01	DS 278	10
Methan, CH4	0.033	mg/l	0.01	HS GC/FID	20
Bor, B	190	mg/l	0.010	DS/EN ISO 11885:2009	20
Arsen, As	4.1	µg/l	0.03	DS/EN ISO 17294-2:2016	10
Barium, Ba	33	µg/l	0.03	DS/EN ISO 17294-2:2016	10
Bly, Pb	<0.025	µg/l	0.025	DS/EN ISO 17294-2:2016	10
Nikel, Ni	12	µg/l	0.03	DS/EN ISO 17294-2:2016	10
Strontium, Sr	3900	µg/l	1	DS/EN ISO 17294-2:2016	20
Zink, Zn	10	µg/l	0.3	DS/EN ISO 17294-2:2016	10
Cyanid CN, total	<0.001	mg/l	0.001	DS/EN ISO 14403:2002	10
HS chlorerede DRV TILLÆG	-			HS GC/MS	
HS BTEXN	-			HS GC/MS	
Benzen	0.024	µg/l	0.020	HS GC/MS	20
Toluen	<0.020	µg/l	0.020	HS GC/MS	20
Ethylbenzen	<0.020	µg/l	0.020	HS GC/MS	20
Xylen	<0.020	µg/l	0.020	HS GC/MS	20
Naphtalen	<0.020	µg/l	0.020	HS GC/MS	20
HS MTBE	-			HS GC/MS	

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Methyl-tert-butylether(MTBE)	0.098	µg/l	0.020	HS GC/MS	20
PAH'er vandforsyning, 6 komp.	<0.010	µg/l	0.010	GC/MS/SIM	14
Fluoranthen	-	-	-	HS GC/MS	-
HS Chlor. og nedbr.	-	-	-	HS GC/MS	-
Trichlormethan (Chloroform)	<0.020	µg/l	0.020	HS GC/MS	20
1,1,1-trichlorethan	<0.020	µg/l	0.020	HS GC/MS	20
1,1,2-trichlorethan	<0.020	µg/l	0.020	HS GC/MS	20
Tetrachlormethan	<0.020	µg/l	0.020	HS GC/MS	20
Trichlorethylen	0.71	µg/l	0.020	HS GC/MS	20
Tetrachlorethylen	0.33	µg/l	0.020	HS GC/MS	20
Chlorethan	<0.10	µg/l	0.10	HS GC/MS	20
1,1,2,2-tetrachlorethan	# <0.020	µg/l	0.1	HS GC/MS	30
1,1,1,2-tetrachlorethan	# <0.020	µg/l	0.1	HS GC/MS	30
Vinylchlorid	<0.020	µg/l	0.020	HS GC/MS	20
1,1-dichlorethylen	<0.020	µg/l	0.020	HS GC/MS	20
trans-1,2-dichlorethylen	<0.020	µg/l	0.020	HS GC/MS	20
cis-1,2-dichlorethylen	0.43	µg/l	0.020	HS GC/MS	20
1,2-dibromethan	<0.020	µg/l	0.020	HS GC/MS	20
1,2-dichlorethan	<0.020	µg/l	0.020	HS GC/MS	20
1,1-dichlorethan	<0.020	µg/l	0.020	HS GC/MS	20
Dichlormethan	<0.10	µg/l	0.1	HS GC/MS	20
HS Polære oplosningsmidler	-	-	-	HS GC/MS	-
Diethylether	<5.0	µg/l	5.0	HS GC/MS	30
Miljøfremmede stoffer kun DEHP	-	-	0.5	-	-
DEHP	# <0.50	µg/l	0.5	GC/MS/SIM	40
Pesticider, Kartoffelavl	-	-	-	GC/LC/MS	-
Pesticider, Drikkevand grundpakke	-	-	-	GC/LC/MS	-
2,4-dichlorphenol	<0.010	µg/l	0.010	GC/MS	10
2,6-Dichlorprop (2,6-DCPP)	<0.010	µg/l	0.010	LC/MS/MS	15
2,6-dichlorbenzoesyre	<0.010	µg/l	0.010	LC/MS/MS	15
2,6-dichlorphenol	<0.010	µg/l	0.010	GC/MS	10
4-CPP, (4-Chlorprop)	<0.010	µg/l	0.010	LC/MS/MS	15
4-nitrophenol	<0.010	µg/l	0.010	LC/MS/MS	15
Aminomethylphosphonsyre, AMPA	<0.010	µg/l	0.010	LC/MS/MS	30
Atrazin	<0.010	µg/l	0.010	LC/MS/MS	15
2,6-Dichlorbenzamid (BAM)	<0.010	µg/l	0.010	LC/MS/MS	15
Bentazon	<0.010	µg/l	0.010	LC/MS/MS	15
Pesticider, Frugtavl (Diuron)	-	-	-	LC/MS/MS	-
Pentachlorphenol	<0.010	µg/l	0.02	GC/MS	7
Desphenyl-chloridazon	<0.010	µg/l	0.010	LC/MS/MS	30
Methyl-desphenyl-chloridazon	<0.010	µg/l	0.010	LC/MS/MS	30
Metalaxyl/Metalaxyl-M	<0.010	µg/l	0.010	LC/MS/MS	15
CGA108906 (Nedbr. af Metalaxyl)	<0.010	µg/l	0.010	LC/MS/MS	15
CGA62826 (Nedbr. af Metalaxyl)	<0.010	µg/l	0.010	LC/MS/MS	15
Desethylatrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Desethyldesisopropylatrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Desethyl-hydroxy-atrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Desethylterbutylatrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Desisopropylatrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Desisopropyl-hydroxy-atrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Dichlobenil	<0.010	µg/l	0.010	GC/MS	15
Dichlorprop(2,4-DP)	<0.010	µg/l	0.010	LC/MS/MS	15
Didealkyl-hydroxy-atrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Diuron	<0.010	µg/l	0.010	LC/MS/MS	15
ETU (Ethylenthiourea)	<0.010	µg/l	0.010	LC/MS/MS	15
Glyphosat	<0.010	µg/l	0.010	LC/MS/MS	30
Hexazinon	<0.010	µg/l	0.010	LC/MS/MS	15
Hydroxyatrazin	<0.010	µg/l	0.010	LC/MS/MS	15
Hydroxysimazin	<0.010	µg/l	0.010	LC/MS/MS	15
MCPA	<0.010	µg/l	0.010	LC/MS/MS	15
Mechlorprop(MCPP)	<0.010	µg/l	0.010	LC/MS/MS	15
Metribuzin	<0.010	µg/l	0.010	LC/MS/MS	15
Metribuzin-desamino	<0.010	µg/l	0.010	LC/MS/MS	15
Metribuzin-desamino-deketo	<0.010	µg/l	0.010	LC/MS/MS	15
Metribuzin-deketo	<0.010	µg/l	0.010	LC/MS/MS	15
Simazin	<0.010	µg/l	0.010	LC/MS/MS	15
Bromid, Br	*1 226	µg/l	-	ICP/MS ISO 17294-2 DIN 38407-42	-
PFAS-forbindelser, MST 12 stoffer					

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Parameter	Resultat	Enhed	DL	Metode	Urel (%)
PFBS	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFBA	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFPeA	<0.0050	µg/l	0.0050	DIN 38407-42	30
PFHpA	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFHxS	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFHxA	<0.0050	µg/l	0.0050	DIN 38407-42	30
PFNA	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFDA	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFOSA	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFOS	<0.0010	µg/l	0.0010	DIN 38407-42	30
PFOA	<0.0010	µg/l	0.0010	DIN 38407-42	30
FTS 6:2	<0.0010	µg/l	0.0010	DIN 38407-42	30
Sum af PFAS, 12 stoffer	<0.010	µg/l	0.010	DIN 38407-42	

Kommentar

Ingen kommentar

Underleverandør

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Ditte T. E. Strecker

Ditte Therese Ekman Strecker

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Laboratoriet er akkrediteret af DANAK. Analyseresultaterne gælder kun for den analyserede prøve.
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