

ANALYSERAPPORT 325088

Skrillinge Russelbæk Vandværk

Hollændervej 29
 5500 Middelfart
 Per Posselt

Version: 1
Sagsnr:
Rekv. nr:
Genereret: 17.09.2018
Bilag:

LAB nr:	18-18841, Prøve nr. 365092	Prøvetager:	KJ, AnalyTech Miljølaboratorium A/S
Prøvemærkning:		Prøvetagningsmetode:	M-0061 DS/ISO 5667
Prøvetype:	Råvandskontrol - Boringskontrol	Prøvetagningsperiode:	04.09.2018 13:05 - 04.09.2018 13:20
Prøvested:	Skrillinge Russelbæk DGU 134.177	Prøvetagningssted:	Taphane
Grænseværdier:	Miljøministeriet, BEK nr. 1068 d. 23.08.2018	Analyseperiode:	04.09.2018 - 17.09.2018

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
Temperatur	10.7 °C	-	-		0.1	TERMOMETER	10%
pH	7.0 pH	7	8.5		0.05	M-0010 DS 287	10%
Ledningsevne	55.5 mS/m	-	250		0.5	M-0009 DS 288	10%
Ilt	<0.1 mg/L	5	-	MIN	0.1	M-0064 DS/EN 25814	10%
NVOC	0.6 mg/L	-	4		0.1	M-0097 DS/EN 1484	10%
Calcium	105 mg/L	-	200		0.007	M-0139 RefM018/ICP	10%
Magnesium	9.22 mg/L	-	50		0.001	M-0139 RefM018/ICP	10%
Natrium	19.6 mg/L	-	175		0.06	M-0139 RefM018/ICP	10%
Kalium	2.19 mg/L	-	10		0.05	M-0139 RefM018/ICP	10%
Ammonium	0.05 mg/L	-	0.05		0.02	M-0014 DS 224	10%
Jern	1.16 mg/L	-	0.2	MAX	0.002	M-0139 RefM018/ICP	10%
Mangan	0.390 mg/L	-	0.05	MAX	0.001	M-0139 RefM018/ICP	10%
Bicarbonat HCO ₃	296 mg/L	100	-		0.5	M-0006 DS 256	10%
Klorid	37 mg/L	-	250		0.5	M-0018.DS/ENISO10304	10%
Sulfat	44 mg/L	-	250		0.5	M-0018 DS/ENISO10304	10%
Nitrat	<0.5 mg/L	-	50		0.5	M-0018 DS/ENISO10304	10%
Nitrit	0.022 mg/L	-	0.1		0.001	M-0015 DS 222	10%
Total-P	<0.01 mg/L	-	0.15		0.01	M-0020 DS 292	10%
Fluorid	0.2 mg/L	-	1.5		0.1	M-0018 DS/ENISO10304	10%
Aggressiv CO ₂	2 mg/L	-	2		2	M-0004 DS 236	10%
Arsen	3.19 µg/L	-	5		0.02	M-0140 RefM018/ICP-MS	10%
Barium	260 µg/L	-	700		1	M-0140 RefM018/ICP-MS	10%
Bor	0.03 mg/L	-	1		0.01	M-0140 RefM018/ICP-MS	10%
Nikkel	<0.03 µg/L	-	20		0.03	M-0140 RefM018/ICP-MS	10%
Cobalt	<0.05 µg/L	-	5		0.05	M-0140 RefM018/ICP-MS	10%
Ekstra analyser		-	-			-	-
Methan	<0.01 mg/L	-	0.01		0.01	M-0112 Ref. Lab M063 - GC-FID	10%
Svovlbrinte	<0.01 mg/L	-	0.05		0.01	M-0098 DS 278:1976	10%

Bemærkninger:

Der findes ingen krav til råvand. Grænseværdier for forbrugers taphane er vist til orientering.

LAB nr:	18-18842, Prøve nr. 365093	Prøvetager:	KJ, AnalyTech Miljølaboratorium A/S
Prøvemærkning:		Prøvetagningsmetode:	M-0061 DS/ISO 5667
Prøvetype:	Råvandskontrol - Pesticidkontrol	Prøvetagningsperiode:	04.09.2018 13:05 - 04.09.2018 13:20
Prøvested:	Skrillinge Russelbæk DGU 134.177	Prøvetagningssted:	Taphane
Grænseværdier:	Miljøministeriet, BEK nr. 1068 d. 23.08.2018	Analyseperiode:	04.09.2018 - 17.09.2018

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
2.4 D	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Atrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Bentazon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Dichlobenil	<0.01 µg/L	-	0.1		0.01	M-0100 GC-MS	10%
Dichlorprop	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Diuron	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
ETU (Ethylthiourea)	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Glyphosat	<0.01 µg/L	-	0.1		0.01	M-0166 LC-MS-MS	20%
Hexazinon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
MCPA	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Mechlorprop	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Metribuzin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Simazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
2.6-Dichlorbenzoylsyre	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
2.4-Dichlorphenol	<0.01 µg/L	-	0.1		0.01	M-0100 LC-MS	15%
2.6-Dichlorphenol	<0.01 µg/L	-	0.1		0.01	M-0100 LC-MS	10%
4-CPP	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
2.6-DCPP	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
4-nitrophenol	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
AMPA	<0.01 µg/L	-	0.1		0.01	M-0166 LC-MS-MS	20%
BAM (2.6-dichlorbenzamid)	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Desethyl-desisopropylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desethylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desethylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Desethylterbutylazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desisopropylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Desisopropylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Didealkylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Hydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Hydroxysimazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Metribuzin-desamino-deketo	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metribuzin-diketo	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metribuzin-desamino	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metalaxyl/Metalaxyl-M	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
CGA62826	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
CGA108906	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Chloridazon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desphenyl-chloridazon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Methyl-desphenyl-chloridazon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
1.2.4-Triazol	<0.01 µg/L	-	-		0.01	*LC-MS/MS	20%
N,N-Dimethylsulfamid (DMS)	<0.01 µg/L	-	-		0.01	*LC-MS/MS	20%

Bemærkninger:

Der findes ingen krav til råvand. Grænseværdier for forbrugers taphane er vist til orientering.

LAB nr:	18-18843, Prøve nr. 365094	Prøvetager:	KJ, AnalyTech Miljølaboratorium A/S
Prøvemærkning:		Prøvetagningsmetode:	M-0061 DS/ISO 5667
Prøvetype:	Råvandskontrol - VOC-kontrol	Prøvetagningsperiode:	04.09.2018 13:05 - 04.09.2018 13:20
Prøvested:	Skrillinge Russelbæk DGU 134.177	Prøvetagningssted:	Taphane
Grænseværdier:	Miljøministeriet, BEK nr. 1068 d. 23.08.2018	Analyseperiode:	04.09.2018 - 17.09.2018

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
Chloroform	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
Dichlormethan	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
1.2-Dichlorethan	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
Trichlorethen	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
Tetrachlorethen	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
1.1-Dichlorethylen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
Cis-1.2-Dichlorethen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
Trans-1.2-Dichlorethen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
1.1.1-Trichlorethan	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
1.1.2-Trichlorethan	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
1.1.1.2-Tetrachlorethan	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
1.1.2.2-Tetrachlorethan	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
MTBE (Methyl tert-butyl ether)	<0.02 µg/L	-	5		0.02	M-0131 GC-MS	20%
Benzen	<0.02 µg/L	-	1		0.02	M-0131 GC-MS	20%
Toluen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
Ethylbenzen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
o-xylen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
m+p-xylen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%
Napthalen	<0.02 µg/L	-	-		0.02	M-0131 GC-MS	20%

Bemærkninger:

Der findes ingen krav til råvand. Grænseværdier for forbrugers taphane er vist til orientering.

LAB nr:	18-18844, Prøve nr. 365095	Prøvetager:	KJ, AnalyTech Miljølaboratorium A/S
Prøvemærkning:		Prøvetagningsmetode:	M-0061 DS/ISO 5667
Prøvetype:	Råvandskontrol - Mikroforureninger	Prøvetagningsperiode:	04.09.2018 13:05 - 04.09.2018 13:20
Prøvested:	Skrillinge Russelbæk DGU 134.177	Prøvetagningssted:	Taphane
Grænseværdier:	Miljøministeriet, BEK nr. 1068 d. 23.08.2018	Analyseperiode:	04.09.2018 - 17.09.2018

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
Perfluoroktansyre (PFOA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorktansulfonat (PFOS)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorbutansulfonat (PFBS)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorheptansyre (PFHpA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorhexansulfonat (PFHxS)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorhexansyre (PFHxA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluornonansyre (PFNA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluoroktansulfonamid (PFOSA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorbutansyre (PFBA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluorpentansyre (PFPeA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
Perfluordecansyre (PFDA)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
6:2 fluortelomersulfonsyre (6:2 FTS)	<0.001 µg/L	-	-		0.001	LC-MS/MS	30%
PFAS Sum (12)	<0.001 µg/L	-	0.1		0.001	LC-MS/MS	30%
Phenol	<0.1 µg/L	-	0.5		0.1	*GC-MS	10%
2-Methylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
3-Methylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
4-Methylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
2,6-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
2,5-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
2,4-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
3,5-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
2,3-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%
3,4-Dimethylphenol	<0.05 µg/L	-	-		0.05	*GC-MS	10%

Bemærkninger:

Der findes ingen krav til råvand. Grænseværdier for forbrugers taphane er vist til orientering.

Rekvirent: Skrillinge Russelbæk Vandværk
Kopi: Danmarks Miljøportal, Middelfart Kommune

Nørresundby d. 17.09.2018

Forklaring:

D.L.: Detektionsgrænse <: Mindre end *: Ikke omfattet af akkrediteringen
+/-: Total ekspanderet usikkerhed (2x total RSD%) >: Større end



Sven-Erik Lykke, laboratorichef

Analyserapporten må kun gengives i uddrag, hvis den enten er offentlig tilgængelig, eller hvis laboratoriet har godkendt uddraget. Resultaterne gælder udelukkende for de analyserede prøver.

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