

**RelyOn Nutec Denmark A/S**  
**Uglviggårdsvej 3**  
**6705 Esbjerg Ø**  
**Att.: Rene Petersen**

**Report code:** AR-20-CA-20027084-01  
**Batch code:** EUDKVE-20027084  
**Client code:** CA0000723  
**Received on:** 26.08.2020

## Analytical Report

**Sample type:** Waste water  
**Sampling Point:** RelyOn Nutec, spildevand - / 20001561  
**Sampler:** Eurofins Miljø Vand A/S SVT  
**Sampling:** 26.08.2020 . 10:15  
**Test period:** 26.08.2020 - 02.09.2020

### Sample description:

Lab sample No.:	835-2018-80595423	Unit	LOQ	Method	<sup>m)</sup> Urel (%)
<b>Organic Assembly Parameters</b>					
Oil	0.43	mg/l	0.1	DS/R 209 mod. Spectrophotometry (IR)	15
<b>Aromatic hydrocarbons</b>					
Benzene	< 0.02	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	20
Toluene	< 0.02	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	15
Ethylbenzene	< 0.02	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	20
Xylene (ortho-)	< 0.02	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	15
Xylene (meta-, para-)	< 0.02	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	15
Sum of xylenes	#	µg/l		ISO 11423-2:1997 mod. GC-MS	20
BTEX (sum)	#	µg/l		ISO 11423-2:1997 mod. GC-MS	20
<b>PFAS-compounds</b>					
PFBA (Perfluorobutanoic acid)	0.65	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFBS (Perfluorobutanesulfonic acid)	0.025	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFPeA (Perfluoropentanoic acid)	2.7	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxA (Perfluorohexanoic acid)	4.0	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxS (Perfluorohexanesulfonic acid)	1.7	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHpA (Perfluoroheptanoic acid)	1.6	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOA (Perfluorooctanoic acid)	0.39	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOS (Perfluorooctanesulfonic acid)	3.2	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
6:2 FTS (Fluorotelomer sulfonate)	53	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOSA (Perfluorooctanesulfonamide)	<0.01	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFNA (Perfluorononanoic acid)	0.055	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFDA (Perfluorodecanoic acid)	<0.01	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
Sum of PFAS	67	µg/l	0	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A

### Legend:

<: less than  
>: greater than  
#: none of the parameters are detected  
LOQ Limit of quantification

\*) Not included in the accreditation  
n.d: not detected  
NM: non-measurable  
m): subcontractors

Urel (%): The expanded relative measurement uncertainty, with a coverage factor 2. For results at the level of detection limit the uncertainty might be higher than reported.

<sup>o)</sup>: Uncertainties of microbiological parameters are given as a logarithmical standard deviation

The test results relate only to the items tested.

The report shall not be reproduced except in full without the written approval of the testing laboratory.

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### Information from sampler

Sampling method	Spot test			ISO 5667-10:1992:2007	B
Water temperature	16.8	°C		ISO 5667-10:1992:2007	B
pH	7.4	pH		ISO 10523	B

### Subcontractors:

A: Eurofins Food & Feed Testing Sweden (Lidköping)  
 B: Eurofins Environment Water A/S (DS EN ISO/IEC 17025 DANAK 555)

### 835-2018-80595423 Sample comment:

Som standardrutine bliver alle prøver til totalkulbrinter på FID og/eller kulbrinter på GC-MS dekanteret inden analyse. Sum af xylener er summen af resultaterne for Ethylbenzen, m+p-Xylen og o-Xylen. Detektionsgrænsen for en eller flere PFAS er hævet grundet højt indhold af PFAS i prøven.

### Batch comments:

Vandmængde 103 m3/døgn

### Copy to:

DIN Forsyning Spildevand A/S , Kopimodtager, spildevand, Ulvsundvej 1, 6715 Esbjerg N  
 Esbjerg Kommune , miljo@esbjergkommune.dk, Torvegade 74, 6700 Esbjerg

02.09.2020

Customer center  
 Tel 70224266

  
 Birgit Neess Fredslund  
 Customer Adviser

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