

RelyOn Nutec Denmark A/S
Uglviggårdsvej 3
6705 Esbjerg Ø
Att.: Tonny Christiansen

Report code: AR-20-CA-00915463-01
Batch code: EUDKVE-00915463
Client code: CA0000723
Received on: 15.01.2020

Analytical Report

Sample type: Waste water
Sampling Point: RelyOn Nutec, spildevand - / 20001561
Sampler: Eurofins Miljø Vand A/S SVT
Sampling: 15.01.2020 . 14:10
Test period: 15.01.2020 - 24.01.2020

Sample description:

Lab sample No.:	80793275	Unit	LOQ	Method	^{m)} Urel (%)
Organic Assembly Parameters					
Oil	0.42	mg/l	0.1	DS/R 209 mod. Spectrophotometry (IR)	15
Aromatic hydrocarbons					
Benzene	0.083	µg/l	0.02	ISO 11423-2:1997 mod. GC-MS	20
Toluene	0.045	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)	0.13	µg/l		ISO 11423-2:1997 mod. GC-MS	20
PFAS-compounds					
PFBA (Perfluorobutanoic acid)	0.30	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFBS (Perfluorobutanesulfonic acid)	0.015	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFPeA (Perfluoropentanoic acid)	1.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxA (Perfluorohexanoic acid)	1.8	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxS (Perfluorohexanesulfonic acid)	0.31	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHpA (Perfluoroheptanoic acid)	0.45	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOA (Perfluorooctanoic acid)	0.14	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOS (Perfluorooctanesulfonic acid)	0.57	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
6:2 FTS (Fluorotelomer sulfonate)	15	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)	0.020	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	20	µg/l	0	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A

Legend:

<: less than
>: greater than
#: none of the parameters 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.

^{o)}: 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	7.8	°C		ISO 5667-10:1992:2007	B
pH	7.6	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)

80793275 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 PFAS er hævet pga. højt indhold af PFAS i prøven.

24.01.2020

Customer center
Tel 70224266


Sara Skovsende Mørk
Customer Advisor

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