

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

Report code: AR-21-CA-21072035-02
Batch code: EUDKVE-21072035
Client code: CA0000723
Received on: 01.07.2021

Analytical Report

Sample type: Waste water
Sampling Point: RelyOn Nutec, spildevand - / 20001561
Sampler: Eurofins Miljø Vand A/S SVT
Sampling: 01.07.2021 . 11:30
Test period: 01.07.2021 - 03.08.2021

Sample description:

Lab sample No.:	835-2015-80308876	Unit	LOQ	Method	^{m)} Urel (%)
Organic Assembly Parameters					
Oil	0.12	mg/l	0.1	DS/R 209 mod. Spectrophotometry (IR)	15
Aromatic hydrocarbons					
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
PFAS-compounds					
PFBA (Perfluorobutanoic acid)	0.21	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFBS (Perfluorobutanesulfonic acid)	<0.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFPeA (Perfluoropentanoic acid)	0.81	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxA (Perfluorohexanoic acid)	1.2	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxS (Perfluorohexanesulfonic acid)	0.27	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHpA (Perfluoroheptanoic acid)	0.49	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)	2.2	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
6:2 FTS (Fluorotelomer sulfonate)	13	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOSA (Perfluorooctanesulfonamide)	<0.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFNA (Perfluorononanoic acid)	<0.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFDA (Perfluorodecanoic acid)	<0.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
Sum of PFAS	18	µg/l	0	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A

Information from sampler

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.

^{o)}: Uncertainties of microbiological parameters are given as a logarithmical standard deviation

The test results relate only to the items tested.

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Sampling method	Spot test			ISO 5667-10:1992:2007	B
Water temperature	14.2	°C		ISO 5667-10:1992:2007	B
pH	6.4	pH		DS/EN ISO 10523	B

Subcontractors:

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

835-2015-80308876 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.

Batch comments:

 Detektionsgrænsen for PFAS'er er forhøjet grundet højt indhold i prøven.
 Revideret rapport erstatter tidligere fremsendt rapport. Vandmængde er skrevet ind på rapporten.
 Vandmængde: 6,681 L.

Copy to:

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

03.08.2021

 Customer center
 Tel 70224231
 iww@eurofins.dk


 Lea Mejdahl Lind
 Customer Adviser

Legend:

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