

RelyOn Nutec Denmark A/S
Uglviggårdsvej 3
6705 Esbjerg Ø
Att.: Rene Petersen
Report code: AR-20-CA-20017585-01
Batch code: EUDKVE-20017585
Client code: CA0000723
Received on: 04.08.2020

Analytical Report

Sample type: Waste water
Sampling Point: RelyOn Nutec, spildevand - / 20001561
Sampler: Eurofins Miljø Vand A/S SVT
Sampling: 04.08.2020 . 12:15
Test period: 04.08.2020 - 12.08.2020

Sample description:

Lab sample No.:	835-2015-80308902	Unit	LOQ	Method	Urel (%)
Organic Assembly Parameters					
Oil	< 0.1	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)	0.34	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFBS (Perfluorobutanesulfonic acid)	0.017	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFPeA (Perfluoropentanoic acid)	1.7	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxA (Perfluorohexanoic acid)	2.8	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHxS (Perfluorohexanesulfonic acid)	0.35	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFHpA (Perfluoroheptanoic acid)	0.74	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOA (Perfluorooctanoic acid)	0.23	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOS (Perfluorooctanesulfonic acid)	2.1	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
6:2 FTS (Fluorotelomer sulfonate)	18	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFOSA (Perfluorooctanesulfonamide)	<0.001	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFNA (Perfluorononanoic acid)	0.041	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
PFDA (Perfluorodecanoic acid)	0.029	µg/l	0.001	* DIN38407-42, UNEP Chemicals Branch 2015 mod. LC-MS/MS	A 40
Sum of PFAS	26	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
Ⓜ): 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.

Ⓜ): Uncertainties of microbiological parameters are given as a logarithmical standard deviation

The test results relate only to the items tested.

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Information from sampler

Sampling method	Spot test			ISO 5667-10:1992:2007	B
Water temperature	14.3	°C		ISO 5667-10:1992:2007	B
pH	6.1	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)

835-2015-80308902 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.

Batch comments:

Tæller 1 Total m3: 11824. Tæller 2 døgn m3: 18,2

Copy to:

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

12.08.2020

Customer center
Tel 70224266

Lotte Marianne Faber
Lotte Marianne Faber
Customer Adivser

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