



Date 09.07.2021

Sample arrived 18.06.2021

Our reference: EUAA55-00006163

Client Code: EP0000075

BLRT Grupp Aktsiaselts

Technical contact for your orders Veronika Tammekivi

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Sample number	337-2021-00011826
Client sample code	Merevesi 3
Sample reference	Merevesi 3
Sample description	punktproov Marine water
Sampling date and time	18.06.2021.00:00

Organotin compounds

Monobutyltin (MBT)	GFU61	µg/l	< 0.017
Monobutyltin (MBT) - Sn	GFU61	µg/l	< 0.011
Dibutyltin (DBT)	GFU61	µg/l	< 0.017
Dibutyltin (DBT) - Sn	GFU61	µg/l	< 0.0084
Tributyltin (TBT)	GFU61	µg/l	< 0.017
Tributyltin (TBT) - Sn	GFU61	µg/l	< 0.0068
Tetrabutyltin (TTBT)	GFU61	µg/l	< 0.017
Tetrabutyltin (TTBT) - Sn	GFU61	µg/l	< 0.0057
Monooctyltin (MOT)	GFU61	µg/l	< 0.017
Monooctyltin (MOT) - Sn	GFU61	µg/l	< 0.0085
Dioctyltin (DOT)	GFU61	µg/l	< 0.017
Dioctyltin (DOT) - Sn	GFU61	µg/l	< 0.0057
Triphenyltin (TPhT)	GFU61	µg/l	< 0.017
Triphenyltin (TPhT) - Sn	GFU61	µg/l	< 0.0056
Tricyclohexyltin (TCyT)	GFU61	µg/l	< 0.033
Tricyclohexyltin (TCyT) - Sn	GFU61	µg/l	< 0.011

Phenolic compounds

Nonylphenol - Isomers	AN06Z	µg/l	< 0.5
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Elements

Copper (Cu)	AN186	mg/l	0.002
Zinc (Zn)	AN210	mg/l	0.006
Barium (Ba)	AN174	mg/l	0.0229
Nickel (Ni)	AN192	mg/l	< 0.001


Method information

Testcode	Parameter name	Default MU	Default LOQ	Accredited	Method	Laboratory
Organotin compounds						
GFU61	Monobutyltin (MBT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Monobutyltin (MBT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Dibutyltin (DBT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Dibutyltin (DBT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tributyltin (TBT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tributyltin (TBT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tetrabutyltin (TTBT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tetrabutyltin (TTBT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Monooctyltin (MOT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Monooctyltin (MOT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Diocetyl tin (DOT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Diocetyl tin (DOT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Triphenyltin (TPhT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Triphenyltin (TPhT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tricyclohexyltin (TCyT)			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
GFU61	Tricyclohexyltin (TCyT) - Sn			Yes	Internal, GC-MS	GF D-PL-14629-01 -00
Phenolic compounds						
AN06Z	Nonylphenol - Isomers		0.5	Yes	DIN EN ISO 18857-2: 2012-01	AN D-PL-14078-01 -00
Elements						


Date 09.07.2021

Elements						
AN186	Copper (Cu)		0.001	Yes	DIN EN ISO 17294-2 (E29): 2017-01	AN D-PL-14078-01 -00
AN210	Zinc (Zn)		0.002	Yes	DIN EN ISO 17294-2 (E29): 2017-01	AN D-PL-14078-01 -00
AN174	Barium (Ba)		0.0005	Yes	DIN EN ISO 17294-2 (E29): 2017-01	AN D-PL-14078-01 -00
AN192	Nickel (Ni)		0.001	Yes	DIN EN ISO 17294-2 (E29): 2017-01	AN D-PL-14078-01 -00

Laboratory		
AN D-PL-14078-01-00	Eurofins Umwelt West GmbH (Wesseling)	DIN EN ISO/IEC 17025:2018 DAkKS D-PL-14078-01-00
GF D-PL-14629-01-00	Eurofins GfA Lab Service GmbH (Hamburg)	DIN EN ISO/IEC 17025:2018 Dakks D-PL-14629-01-00

Method
DIN EN ISO 17294-2 (E29): 2017-01 DIN EN ISO 18857-2: 2012-01 Internal

SIGNATURE


Gerda Alekand

Müügijuht

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Report electronically validated by

Additional information

Sampling person: Oksana Vjatkina

Sampling location: Paljassaare laht (BLRT Grupp AS segunemispiirkond TL079 X: 6592325, Y: 537285)

Analysis was performed between sample arrival date and Analytical Report date.

EXPLANATORY NOTE

This certificate may only be copied as whole. The results apply solely to the samples received and analyzed. Conclusion and other comments are not accredited.