



Date 21.09.2021

Sample arrived 01.09.2021

Our reference: EUAA55-00007070

Client Code: EP0000075

BLRT Grupp Aktsiaselts

Technical contact for your orders Maarja-Liis Paap

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Sample number 337-2021-00018234
Client sample code merevesi 2

Sample reference punktproof
Sample description Marine water
Sampling date and time 01.09.2021.00:00

Organotin compounds

Monobutyltin (MBT)	GFU61	µg/l	< 0.016
Monobutyltin (MBT) - Sn	GFU61	µg/l	< 0.011
Dibutyltin (DBT)	GFU61	µg/l	< 0.016
Dibutyltin (DBT) - Sn	GFU61	µg/l	< 0.0083
Tributyltin (TBT)	GFU61	µg/l	< 0.016
Tributyltin (TBT) - Sn	GFU61	µg/l	< 0.0067
Tetrabutyltin (TTBT)	GFU61	µg/l	< 0.016
Tetrabutyltin (TTBT) - Sn	GFU61	µg/l	< 0.0056
Monooctyltin (MOT)	GFU61	µg/l	< 0.016
Monooctyltin (MOT) - Sn	GFU61	µg/l	< 0.0083
Diocetyl tin (DOT)	GFU61	µg/l	< 0.016
Diocetyl tin (DOT) - Sn	GFU61	µg/l	< 0.0056
Triphenyltin (TPhT)	GFU61	µg/l	< 0.016
Triphenyltin (TPhT) - Sn	GFU61	µg/l	< 0.0055
Tricyclohexyltin (TCyT)	GFU61	µg/l	< 0.033
Tricyclohexyltin (TCyT) - Sn	GFU61	µg/l	< 0.011

Phenolic compounds

Nonylphenol - Isomers AN06Z µg/l < 0.5

Elements

Copper (Cu)	AN186	mg/l	0,003
Zinc (Zn)	AN210	mg/l	0,003
Barium (Ba)	AN174	mg/l	0,0231
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						



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


Maarja-Liis Paap

Müügiassistent

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Report electronically validated by

Additional information

Sampling person: Oksana Vjatkina

Sampling location: Vene-Balti sadama Põhjabassein (BLRT Grupp AS segunemispiirkond X:6591741,Y:536953)

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.