

Report

T1819098

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UN6CL460H0



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Project
Reference

Analysis of waste water

Your ID	R18-1534-1					
LabID	O11022146					
Analysis	Results	Uncertainty (±)	Unit	Method	Issuer	Sign
Cd	<0.05		µg/l	1	H	FREN
Hg	<0.02		µg/l	1	F	FREN
Pb	36.1	6.9	µg/l	1	H	FREN
Zn	10.0	3.6	µg/l	1	H	FREN
ammonium	<0.050		mg/l	2	1	IRSA
ammonium nitrogen	<0.040		mg/l	2	1	IRSA
AOX	<0.010		mg/l	3	1	IRSA
nitrate	0.90		mg/l	4	1	IRSA
nitrate nitrogen	0.203		mg/l	4	1	IRSA
phosphate	<0.040		mg/l	5	1	IRSA
phosphate phosphorus	<0.010		mg/l	5	1	IRSA
tot ext aliphates	<0.10		mg/l	6	1	IRSA
non-polar aliphatics	<0.10		mg/l	6	1	IRSA
tot ext aromatics	<0.10		mg/l	6	1	IRSA



* indicates unaccredited analysis.

Method specification	
1	<p>Package V-3B. Determination of metals after microwave digestion with HNO₃. The measurement was carried out according to EPA-method 200.7(mod), SS EN ISO 11885(mod) (ICP-AES) and EPA-method 200.8(mod), SS EN ISO 17294-1,2(mod) (ICP-SFMS). Analysis of Hg with AFS according to SS-EN ISO 17852:2008.</p> <p>Special information for added metals to the package: W; the sample has been digested with HNO₃ and HF. Ag; the sample has been digested with HCl.</p> <p>Rev 2015-06-25</p>
2	<p>Spectrophotometric determination of ammonium NH₄, according to method based on CSN EN ISO 11732, CSN EN ISO 13395, CSN EN 13370 and CSN EN 12506. The method includes filtration of turbid samples.</p> <p>Rev 2013-09-18</p>
3	<p>Determination of adsorbable organically bound halogens (AOX) according to method based on CSN EN ISO 9562.</p> <p>Rev 2013-09-23</p>
4	<p>Spectrophotometric determination of nitrate/nitrate nitrogen according to method based on CSN EN ISO 11732, CSN EN ISO 13395, CSN EN 13370 och CSN EN 12506. The method includes filtration of turbid samples.</p> <p>Rev 2013-09-23</p>
5	<p>Spectrophotometric determination of phosphate according to method based on CSN EN ISO 6878.</p> <p>The method includes filtration of turbid samples.</p> <p>Rev 2013-09-18</p>
6	<p>Package OV-20B. Determination of non-polar aliphatics, total extractable aliphatics and total extractable aromatics. The measurement is performed with (IR)-spectrometric method.</p> <p>Rev 2013-09-19</p>

Approver	
FREN	Fredrik Enzell
IRSA	Iris Santeliz

Issuer ¹	
F	<p>The determination is performed using AFS The analysis is provided by ALS Scandinavia AB, Aurorum 10, 977 75 Luleå, Sweden, which is a testing laboratory, accredited by the Swedish accreditation body SWEDAC (Reg.No. 2030).</p>

¹ The technical unit within ALS Scandinavia where the analysis was carried out, alternatively the subcontractor for the analysis.



Issuer	
H	The determination is performed using ICP-SFMS The analysis is provided by ALS Scandinavia AB, Aurorum 10, 977 75 Luleå, Sweden, which is a testing laboratory, accredited by the Swedish accreditation body SWEDAC (Reg.No. 2030).
1	The analysis is provided by ALS Laboratory Group, Na Harfê 9/336, 190 00, Prag 9, Czech Republic, which is a testing laboratory, accredited by the Czech accreditation body CAI (Reg.No 1163). CAI is a signatory to a MLA within EA, the same LA to which the Swedish accreditation body SWEDAC is also a signatory. The laboratories are located in; Prague, Na Harfê 9/336, 190 00, Praha 9, Ceska Lipa, Bendlova 1687/7, 470 01 Ceska Lipa, Pardubice, V Raji 906, 530 02 Pardubice. Contact the laboratory for further information.

The uncertainty is given as extended uncertainty (according to the definition in "Guide to the Expression of Uncertainty in Measurement", JCGM 100:2008 Corrected version 2010) calculated with a coverage factor of 2, which gives a confidence level of approximately 95%.

Measurement of uncertainty is reported only for detected substances with levels above the reporting limits.

The uncertainty from subcontractors is often given as extended uncertainty calculated with a coverage factor of 2. Contact the laboratory for further information.

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RANNSÓKNANIÐURSTÖÐUR
Útgefnar af faggildri rannsóknastofu
Report issued by Accredited laboratory

Síða 1 af 1

Heilbrigðiseftirlit Austurland
4710982729
Búðareyri 7
Reyðarfjörður

Sýni R18015340001
Vatn

Sýnatökudagsetning: 19/06/2018
Móttekið: 20/06/2018
Rannsakað: 20/06/2018

Tegund sýnis : Frárennslisvatn / Sigvatn
Sýnatökustaður : Sjá auðkenni
Auðkenni : Heydalsmelar í Breiðdal/Urðunarstaður
Tílefni sýnatöku : Reglubundið eftirlit
Aðrar upplýsingar :
Skýringar : Hitastig við sýnatöku: 8,0°C

Örverurannsóknir

Mæligildi Heimild

Eðlis- og Efnarannsóknir

Mæligildi Heimild

**C.O.D

<10 mg/L

HACH, DR/2000 SP

**Leiðni (EVA3)

1.000 µS/cm

ISO 7888:2012

**Sýrustig (pH) (EVA1)

7,15

ISO 10523:2012

Mat sýnis

Ekki metið

Reykjavík,

22. júní, 2018

Þessar rannsóknaniðurstöður eru
samþykktar með rafrænni undirskrift:

Hrólfur Sigurðsson
hrolfur.sigurdsson@matis.is

** Ekki faggildar niðurstöður

Niðurstöður má eingöngu nota í heild sinni, nema rannsóknastofa gefi skriflegt leyfi til annars.

Niðurstöður gilda aðeins um það/þau sýni sem var/voru rannsakað/ rannsökuð.

Mælióvissa örverumælinga byggir á um það bil 95% öryggismörkum (K=2) og er hægt að nálgast upplýsingar um hana með því að hafa samband við rannsóknastofuna.

Rannsóknarstofan uppfyllir kröfur NELAC staðals New York State Department of Health (NYSDOH), NY auðkenni: 11290.