



Matis ohf
Rannsóknarstofa
Vínlandsleið 12
113 Reykjavík
Sími: (354)-422 5000
Fax:(354)-422 5001



RANNSÓKNANIÐURSTÖÐUR
Útgefnar af faggildri rannsóknastofu
Report issued by Accredited laboratory

Síða 1 af 1

Heilbrigðiseftirlit Vesturland
5503992299
Borgarbraut 13
Borgarnes

Sýni Nr. R11001840003
Vatn

Sýnatökudagsetning: 25/01/2011
Móttekið: 25/01/2011
Rannsakað: 25/01/2011

Tegund sýnis : Neysluvatn / Geislað (u.v. Ljós) vatn
Sýnatökustaður : Geislahús OR á Akranesi, Akranes
Auðkenni : 1722/III/Geislahús Akranesi
Tilefni sýnatöku : Reglubundið eftirlit
Aðrar upplýsingar : Hitastig við móttöku: 7°C
 Ástand vatnsbóls: Góður
 Frágangur vatnsbóls: Lokað

Skýringar : Hitastig við sýnatöku: 3,0°C

Örverurannsóknir

Gerlaufjöldi við 22°C í 1 ml (ÖVA5)	1
Kólicherlar í 100 ml síun (ÖVA2)	0

Eðlis- og Efnarannsóknir

**Sýrustig (pH) (EVA1)	7,40
* Ammoniak, NH4-N (mg/l) (EVA6)	<0,05 mg/L
**Grugg	0,23 NTU
**Leiðni (EVA3)	100 µS/cm

Mat sýnis

Stenst gæðakröfur skv. reglugerð 536/2001

máni/maður
- 4. febr. 2011

F.h. Rannsóknastofu

Reykjavík,

28. janúar, 2011

Frederik George

Sviðsstjóri

** Ekki faggildar niðurstöður

Niðurstöður má eingöngu nota í heild sinni, nema rannsóknastofa gefi skriflegt leyfi til annars.
Fyrir aftan rannsóknalögi eru auðkenni rannsókna aðferða og má fá upplýsingar um heimilidir þeirra á heimasíður Matís ohf (www.matis.is).
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Síða 1 af 1

Heilbrigðiseftirlit Vesturland
 5503992299
 Borgarbraut 13
 Borgarnes

Sýni Nr. R11009450006
 Vatn

Sýnatökudagsetning: 28/04/2011
 Móttekið: 29/04/2011
 Rannsakað: 29/04/2011

Tegund sýnis	:	Neysluvatn / Geislað (u.v. Ljós) vatn
Sýnatökustaður	:	Akranes
Auðkenni	:	1725/VI/Geislahús Akranesi
Tilefni sýnatoku	:	Reglubundið eftirlit
Aðrar upplýsingar	:	Hitastig við móttöku: 7°C Ástand vatnsbóls: Góður Frágangur vatnsbóls: Lokað
Skýringar	:	Hitastig við sýnatoku: 4,3°C

Örverurannsóknir

Gerlafjöldi við 22°C í 1 ml (ÖVA5)	1
Kólicherlar í 100 ml síun (ÖVA2)	0

Eðlis- og Efnarannsóknir

**Sýrustig (pH) (EVA1)	7,20
**Ammoniak, NH4-N (mg/l) (EVA6)	<0,05 mg/L
**Grugg	0,33 NTU
**Leiðni (EVA3)	120 µS/cm

Mat sýnis

Stenst gæðakröfur skv. reglugerð 536/2001

mári/steðad
30/5/11
JG

F.h. Rannsóknastofu

Reykjavík,

2. maí, 2011

Franklin Georgsson, sviðsstjóri

** Ekki faggildar niðurstöður

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



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Útgefnar af faggildri rannsóknastofu
Report issued by Accredited laboratory

Síða 1 af 1

Heilbrigðiseftirlit Vesturland
5503992299
Innrimelur 3
Akranes

Sýni Nr. R11014270004
Vatn

Sýnatökudagsetning: 28/06/2011
Móttekið: 28/06/2011
Rannsakað: 28/06/2011

Tegund sýnis : Neysluvatn / Geislað (u.v. Ljós) vatn
Sýnatökustaður : Akranes
Auðkenni : 1727/AV-4/Geilsahús Akranesi
Tilefni sýnatoku : Reglubundið eftirlit
Aðrar upplýsingar : Hitastig við móttöku: 6°C
Ástand vatnsbóls: Góður
Frágangur vatnsbóls: Lokað

Skýringar : Mælingar framkvæmdar af eftirliti við sýnatökur:
Hitastig vatns: 6,0°C

Örverurannsóknir

Enterokokkar 100 ml síun (ÖVA12)	0
Gerlaufjöldi við 22°C í 1 ml (ÖVA5)	1
Kóligerlar í 100 ml síun (ÖVA2)	0

Eðlis- og Efnarannsóknir

**Sýrustig (pH) (EVA1)	7,35
**Grugg	0,12 NTU
**Leiðni (EVA3)	110 µS/cm

Mat sýnis

Stenst gæðakröfur skv. reglugerð 536/2001

Mátt 12/21
FH

F.h. Rannsóknastofu

Reykjavík,

1. júlí, 2011

Franklin Georgsson, sviðsstjóri

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Síða 1 af 1

Heilbr.eftirlit Vesturlands
5503992299
Innrimelur 3
Akranes

Sýni Nr. R11021610003
Vatn

Sýnatökudagsetning: 26/09/2011
Móttekið: 26/09/2011
Rannsakað: 26/09/2011

Tegund sýnis : Neysluvatn / Geislað (u.v. Ljós) vatn
Sýnatökustaður : Geislahús OR á Akranesi, Akranes
Auðkenni : 2016/III/Geislahús Akranesi
Tilefni sýnatöku : Reglubundið eftirlit
Aðrar upplýsingar : Hitastig við móttöku: 8°C
Ástand vatnsbóls: Góður
Frágangur vatnsbóls: Opið

Skýringar : Hitastig við sýnatöku: 6,3°C

Örverurannsóknir

Gerlaufjöldi við 22°C í 1 ml (ÖVA5)	0
Kóligerlar í 100 ml síun (ÖVA2)	0

Eðlis- og Efnarannsóknir

**Sýrustig (pH) (EVA1)	7,30
*Ammoniak, NH4-N (mg/l) (EVA6)	<0,05 mg/L
**Grugg	0,17 NTU
**Leiðni (EVA3)	110 µS/cm

Mat sýnis

Stenst gæðakröfur skv. reglugerð 536/2001

2019/11

Mótt
EN

F.h. Rannsóknastofu

Reykjavík,

29. september, 2011

Franklin Georgsson, sviðsstjóri

** Ekki faggildar niðurstöður

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Síða 1 af 1

Heilbr.eftirlit Vesturlands
5503992299
Innrimelur 3
Akranes

Sýni Nr. R11021610004
Vatn

Sýnatökudagsetning: 26/09/2011
Móttekið: 26/09/2011
Rannsakað: 26/09/2011

Tegund sýnis :	Neysluvatn / Yfirborðsvatn
Sýnatökustaður :	Akranes
Auðkenni :	2116/IV/Geislahús Akranesi, fyrir geislun
Tilefni sýnatöku :	Reglubundið eftirlit
Aðrar upplýsingar :	Hitastig við móttöku: 9°C Ástand vatnsbóls: Góður Frágangur vatnsbóls: Opið
Skýringar :	

Örverurannsóknir

E coli 100 ml síun (ÖVA2)	2
Gerlafjöldi við 22°C í 1 ml (ÖVA5)	120
Kóligerlar í 100 ml síun (ÖVA2)	2

Eðlis- og Efnarannsóknir

**Grugg	0,27 NTU
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Mat sýnis

Stenst ekki gæðakröfur skv. reglugerð 536/2001
Vegna heildargerlafjölda við 22°C, kóligerla og E.coli.

*Mitt
8.9.11*

F.h. Rannsóknastofu

Reykjavík,

29. september, 2011

Franklin Georgsson

Franklin Georgsson, sviðsstjóri

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Síða 1 af 1

Heilbr.eftirlit Vesturlands
 5503992299
 Innrimelur 3
 Akranes

Sýni Nr. R11026500004
 Vatn

Sýnatökudagsetning: 17/11/2011
 Móttekið: 18/11/2011
 Rannsakað: 18/11/2011

Tegund sýnis	:	Neysluvatn / Geislað (u.v. Ljós) vatn
Sýnatökustaður	:	Akranes
Auðkenni	:	2019/IV/Geislahús Akranesi
Tilefni sýnatöku	:	Reglubundið eftirlit
Aðrar upplýsingar	:	Hitastig við móttöku: 6°C Ástand vatnsbóls: Góður Frágangur vatnsbóls: Lokað
Skýringar	:	Hitastig við sýnatöku: 5,3°C

Örverurannsóknir

Gerlaufjöldi við 22°C í 1 ml (ÖVA5)	0
Kóligerlar í 100 ml síun (ÖVA2)	0
Eðlis- og Efnarannsóknir	
**Sýrustig (pH) (EVA1)	7,15
**Ammoniak, NH4-N (mg/l) (EVA6)	<0,05 mg/l
**Grugg	0,22 NTU
**Leiðni (EVA3)	110 µS/cm

Mat sýnis

Stenst gæðakröfur skv. reglugerð 536/2001

misjárháð
2/10/11
80

Reykjavík,

21. nóvember, 2011

Þessar rannsóknaniðurstöður eru
samþykktar með rafrænni undirskrift:

Hrólfur Sigurðsson
 hrólfur.sigurdsson@matis.is

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 Rannsóknarstofan uppfyllir kröfur NELAC staðals New York State Department of Health (NYSDOH), NY auðkenni: 11290.
 Ef frekari upplýsinga er óskað hafið samband við undirritaðan eða Franklin Georgsson, sviðsstjóra.

Report

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T1109306

AB9U2LFWK4



Project drinking water
 Reference
 Registered 2011-06-30
 Issued 2011-07-12

Máls ehf
 Hrólfur Sigurdsson
 Food Research, Inn. and safety
 VInlandsleid 12
 IS-113 Reykjavík
 ICELAND

Analysis of water

Your ID	11-1427-01/BV-1/Lagnahús Hamri (Grábrókarveita)					
LabID	010386766					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
Ca	3.64	0.44	mg/l	1	E	STGR
Fe	0.0330	0.0063	mg/l	1	H	STGR
K	<0.4		mg/l	1	E	STGR
Mg	1.59	0.20	mg/l	1	E	STGR
Na	6.59	0.89	mg/l	1	E	STGR
Si	4.24	0.61	mg/l	1	E	STGR
Al	5.89	1.44	µg/l	1	H	STGR
As	<0.05		µg/l	1	H	STGR
Ba	0.370	0.064	µg/l	1	H	STGR
Cd	<0.002		µg/l	1	H	STGR
Co	0.0110	0.0104	µg/l	1	H	STGR
Cr	0.0453	0.0176	µg/l	1	H	STGR
Cu	0.866	0.152	µg/l	1	H	STGR
Hg	<0.002		µg/l	1	F	STGR
Mn	1.96	0.35	µg/l	1	H	STGR
Mo	<0.05		µg/l	1	H	STGR
Ni	<0.05		µg/l	1	H	STGR
P	2.12	0.62	µg/l	1	H	STGR
Pb	0.242	0.041	µg/l	1	H	STGR
Sr	8.20	1.03	µg/l	1	E	STGR
Zn	1.85	0.37	µg/l	1	H	STGR
Sb	<0.01		µg/l	2	H	STGR
B	<10		µg/l	2	E	STGR
Se*	0.0929		µg/l	2	G	STGR
colour	<5		mgPt/l	3	1	KABJ
nitrite	<0.01		mg/l	4	1	KABJ
nitrate	0.25	0.04	mg/l	5	2	STGR
ammonium	<0.026		mg/l	6	3	CL
chloride	10.1	2.01	mg/l	7	3	CL
sulphate	2.06	0.412	mg/l	8	3	CL
TOC	0.80	0.16	mg/l	9	3	CL
fluoride	<0.200		mg/l	10	3	CL
CN total	<0.005		mg/l	11	3	CL
benzene	<0.20		µg/l	12	3	CL
toluene	<1.0		µg/l	12	3	CL
ethylbenzene	<0.10		µg/l	12	3	CL
m,p-xilen	<0.20		µg/l	12	3	CL
o-xilen	<0.10		µg/l	12	3	CL
xylenes, sum*	<0.20		µg/l	12	3	CL
dichloromethane	<2.0		µg/l	13	3	AKR
1,1-dichloroethane	<0.10		µg/l	13	3	AKR

Report

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T1109306

AB9U2LFWK4



Your ID	11-1427-01/BV-1/Lagnahús Hamri (Grábrókarveita)					
LabID	010386766					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
1,2-dichloroethane	<1.0		µg/l	13	3	AKR
trans-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
cis-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
1,2-dichloropropane	<1.0		µg/l	13	3	AKR
trichloromethane	<0.30		µg/l	13	3	AKR
tetrachloromethane	<0.10		µg/l	13	3	AKR
1,1,1-trichloroethane	<0.10		µg/l	13	3	AKR
1,1,2-trichlorethane	<0.20		µg/l	13	3	AKR
trichloroethylene	<0.10		µg/l	13	3	AKR
tetrachloroethylene	<0.20		µg/l	13	3	AKR
vinyldichloride	<1.00		µg/l	13	3	AKR
naphthalene	<0.20		µg/l	14	3	AKR
acenaphthylene	<0.10		µg/l	14	3	AKR
acenaphthene	<0.0070		µg/l	14	3	AKR
fluorene	<0.010		µg/l	14	3	AKR
phenanthrene	<0.040		µg/l	14	3	AKR
anthracene	<0.0050		µg/l	14	3	AKR
fluoranthene	<0.0050		µg/l	14	3	AKR
pyrene	<0.0050		µg/l	14	3	AKR
benzo(a)anthracene	<0.0030		µg/l	14	3	AKR
chrysene	<0.0070		µg/l	14	3	AKR
benzo(b)fluoranthene	<0.0040		µg/l	14	3	AKR
benzo(k)fluoranthene	<0.0020		µg/l	14	3	AKR
benzo(a)pyrene	<0.0020		µg/l	14	3	AKR
dibenzo(ah)anthracene	<0.0020		µg/l	14	3	AKR
benzo(ghi)perylene	<0.0030		µg/l	14	3	AKR
indeno(123cd)pyrene	<0.0030		µg/l	14	3	AKR
PAH, sum 16	<0.20		µg/l	14	3	AKR
PAH carcinogenic	<0.012		µg/l	14	3	AKR
PAH, sum others	<0.19		µg/l	14	3	AKR
tribromomethane	<0.20		µg/l	15	3	AKR
dibromochloromethane	<0.10		µg/l	15	3	AKR
bromodichloromethane	<0.10		µg/l	15	3	AKR
sum trihalomethanes	<0.35		µg/l	15	3	AKR

Report

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T1109306

AB9U2LFWK4



Your ID	11-1427-02/BV-21 landi sydstu Fossa					
LabID	010386767					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
Ca	7.28	0.87	mg/l	1	E	STGR
Fe	0.0037	0.0010	mg/l	1	H	STGR
K	0.724	0.163	mg/l	1	E	STGR
Mg	3.61	0.44	mg/l	1	E	STGR
Na	10.5	1.4	mg/l	1	E	STGR
Si	7.92	1.15	mg/l	1	E	STGR
Al	8.57	1.54	µg/l	1	H	STGR
As	<0.05		µg/l	1	H	STGR
Ba	<0.01		µg/l	1	H	STGR
Cd	<0.002		µg/l	1	H	STGR
Co	<0.005		µg/l	1	H	STGR
Cr	0.422	0.122	µg/l	1	H	STGR
Cu	0.212	0.041	µg/l	1	H	STGR
Hg	<0.002		µg/l	1	F	STGR
Mn	0.0391	0.0513	µg/l	1	H	STGR
Mo	0.0621	0.0383	µg/l	1	H	STGR
Ni	<0.05		µg/l	1	H	STGR
P	24.2	4.5	µg/l	1	H	STGR
Pb	<0.01		µg/l	1	H	STGR
Sr	3.15	0.45	µg/l	1	E	STGR
Zn	<0.2		µg/l	1	H	STGR
Sb	<0.01		µg/l	2	H	STGR
B	<10		µg/l	2	E	STGR
Se*	0.120		µg/l	2	G	STGR
colour	<5		mgPt/l	3	1	KABJ
nitrite	<0.01		mg/l	4	1	KABJ
nitrate	1.3	0.18	mg/l	5	2	STGR
ammonium	<0.026		mg/l	6	3	CL
chloride	11.3	2.27	mg/l	7	3	CL
sulphate	2.01	0.401	mg/l	8	3	CL
TOC	0.72	0.14	mg/l	9	3	CL
fluoride	<0.200		mg/l	10	3	CL
CN total	<0.005		mg/l	11	3	CL
benzene	<0.20		µg/l	12	3	CL
toluene	<1.0		µg/l	12	3	CL
ethylbenzene	<0.10		µg/l	12	3	CL
m,p-xlen	<0.20		µg/l	12	3	CL
o-xlen	<0.10		µg/l	12	3	CL
xlenes, sum*	<0.20		µg/l	12	3	CL
dichloromethane	<2.0		µg/l	13	3	AKR
1,1-dichloroethane	<0.10		µg/l	13	3	AKR
1,2-dichloroethane	<1.0		µg/l	13	3	AKR
trans-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
cis-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
1,2-dichloropropane	<1.0		µg/l	13	3	AKR
trichloromethane	<0.30		µg/l	13	3	AKR
tetrachloromethane	<0.10		µg/l	13	3	AKR
1,1,1-trichloroethane	<0.10		µg/l	13	3	AKR
1,1,2-trichlorethane	<0.20		µg/l	13	3	AKR
trichloroethene	<0.10		µg/l	13	3	AKR
tetrachloroethene	0.23	0.09	µg/l	13	3	CL

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AB9U2LFWK4



Your ID	11-1427-02/BV-21 landi sydstu Fossa					
LabID	010386767					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
vinylchloride	<1.00		$\mu\text{g/l}$	13	3	AKR
naphthalene	<0.20		$\mu\text{g/l}$	14	3	AKR
acenaphtylene	<0.10		$\mu\text{g/l}$	14	3	AKR
acenaphthene	<0.0070		$\mu\text{g/l}$	14	3	AKR
fluorene	<0.010		$\mu\text{g/l}$	14	3	AKR
phenanthrene	<0.040		$\mu\text{g/l}$	14	3	AKR
anthracene	<0.0050		$\mu\text{g/l}$	14	3	AKR
fluoranthene	<0.0050		$\mu\text{g/l}$	14	3	AKR
pyrene	<0.0050		$\mu\text{g/l}$	14	3	AKR
benzo(a)anthracene	<0.0030		$\mu\text{g/l}$	14	3	AKR
chrysene	<0.0070		$\mu\text{g/l}$	14	3	AKR
benzo(b)fluoranthene	<0.0040		$\mu\text{g/l}$	14	3	AKR
benzo(k)fluoranthene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(a)pyrene	<0.0020		$\mu\text{g/l}$	14	3	AKR
dibenzo(ah)anthracene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(ghi)perylene	<0.0030		$\mu\text{g/l}$	14	3	AKR
indeno(123cd)pyrene	<0.0030		$\mu\text{g/l}$	14	3	AKR
PAH, sum 16	<0.20		$\mu\text{g/l}$	14	3	AKR
PAH carcinogenic	<0.012		$\mu\text{g/l}$	14	3	AKR
PAH, sum others	<0.19		$\mu\text{g/l}$	14	3	AKR
tribromomethane	<0.20		$\mu\text{g/l}$	15	3	AKR
dibromochloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
bromodichloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
sum trihalomethanes	<0.35		$\mu\text{g/l}$	15	3	AKR

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AB9U2LFWK4



Your ID		11-1427-03/BV-3 Narmalaek					
LabID	010386768	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
Analysis							
Ca	9.19	1.10	mg/l	1	E	STGR	
Fe	0.0005	0.0005	mg/l	1	H	STGR	
K	0.605	0.134	mg/l	1	E	STGR	
Mg	4.30	0.53	mg/l	1	E	STGR	
Na	10.1	1.3	mg/l	1	E	STGR	
Si	13.2	1.9	mg/l	1	E	STGR	
Al	3.05	0.75	µg/l	1	H	STGR	
As	<0.05		µg/l	1	H	STGR	
Ba	<0.01		µg/l	1	H	STGR	
Cd	<0.002		µg/l	1	H	STGR	
Co	<0.005		µg/l	1	H	STGR	
Cr	0.992	0.175	µg/l	1	H	STGR	
Cu	<0.1		µg/l	1	H	STGR	
Hg	<0.002		µg/l	1	F	STGR	
Mn	<0.03		µg/l	1	H	STGR	
Mo	0.0658	0.0387	µg/l	1	H	STGR	
Ni	0.0513	0.0322	µg/l	1	H	STGR	
P	12.0	2.3	µg/l	1	H	STGR	
Pb	<0.01		µg/l	1	H	STGR	
Sr	7.20	0.93	µg/l	1	E	STGR	
Zn	<0.2		µg/l	1	H	STGR	
Sb	<0.01		µg/l	2	H	STGR	
B	<10		µg/l	2	E	STGR	
Se*	0.230		µg/l	2	G	STGR	
colour	<5		mgPt/l	3	1	KABJ	
nitrite	<0.01		mg/l	4	1	KABJ	
nitrate	0.11	0.02	mg/l	5	2	STGR	
ammonium	<0.026		mg/l	6	3	CL	
chloride	14.3	2.86	mg/l	7	3	CL	
sulphate	2.86	0.573	mg/l	8	3	CL	
TOC	0.66	0.13	mg/l	9	3	CL	
fluoride	<0.200		mg/l	10	3	CL	
CN total	<0.005		mg/l	11	3	CL	
benzene	<0.20		µg/l	12	3	CL	
toluene	<1.0		µg/l	12	3	CL	
ethylbenzene	<0.10		µg/l	12	3	CL	
m,p-xlen	<0.20		µg/l	12	3	CL	
o-xlen	<0.10		µg/l	12	3	CL	
xlenes, sum*	<0.20		µg/l	12	3	CL	
dichloromethane	<2.0		µg/l	13	3	AKR	
1,1-dichloroethane	<0.10		µg/l	13	3	AKR	
1,2-dichloroethane	<1.0		µg/l	13	3	AKR	
trans-1,2-dichloroethene	<0.10		µg/l	13	3	AKR	
cis-1,2-dichloroethene	<0.10		µg/l	13	3	AKR	
1,2-dichloropropane	<1.0		µg/l	13	3	AKR	
trichloromethane	<0.30		µg/l	13	3	AKR	
tetrachloromethane	<0.10		µg/l	13	3	AKR	
1,1,1-trichloroethane	<0.10		µg/l	13	3	AKR	
1,1,2-trichlorethane	<0.20		µg/l	13	3	AKR	
trichloroethene	<0.10		µg/l	13	3	AKR	
tetrachloroethene	0.21	0.08	µg/l	13	3	CL	

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AB9U2LFWK4



Your ID 11-1427-03/BV-3Narmalaek

LabID 010386768

Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
vinyldchloride	<0.00		$\mu\text{g/l}$	13	3	AKR
naphthalene	<0.20		$\mu\text{g/l}$	14	3	AKR
acenaphtylene	<0.10		$\mu\text{g/l}$	14	3	AKR
acenaphthene	<0.0070		$\mu\text{g/l}$	14	3	AKR
fluorene	<0.010		$\mu\text{g/l}$	14	3	AKR
phenanthrene	<0.040		$\mu\text{g/l}$	14	3	AKR
anthracene	<0.0050		$\mu\text{g/l}$	14	3	AKR
fluoranthene	<0.0050		$\mu\text{g/l}$	14	3	AKR
pyrene	<0.0050		$\mu\text{g/l}$	14	3	AKR
benzo(a)anthracene	<0.0030		$\mu\text{g/l}$	14	3	AKR
chrysene	<0.0070		$\mu\text{g/l}$	14	3	AKR
benzo(b)fluoranthene	<0.0040		$\mu\text{g/l}$	14	3	AKR
benzo(k)fluoranthene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(a)pyrene	<0.0020		$\mu\text{g/l}$	14	3	AKR
dibenzo(ah)anthracene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(ghi)perylene	<0.0030		$\mu\text{g/l}$	14	3	AKR
indeno(123cd)pyrene	<0.0030		$\mu\text{g/l}$	14	3	AKR
PAH, sum 16	<0.20		$\mu\text{g/l}$	14	3	AKR
PAH carcinogenic	<0.012		$\mu\text{g/l}$	14	3	AKR
PAH, sum others	<0.19		$\mu\text{g/l}$	14	3	AKR
tribromomethane	<0.20		$\mu\text{g/l}$	15	3	AKR
dibromochloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
bromodichloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
sum trihalomethanes	<0.35		$\mu\text{g/l}$	15	3	AKR

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AB9U2LFWK4



Your ID	11-1427-04/BV-4/Geislahús Akranesi					
LabID	010386769					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
Ca	6.52	0.78	mg/l	1	E	STGR
Fe	0.0027	0.0007	mg/l	1	H	STGR
K	<0.4		mg/l	1	E	STGR
Mg	2.25	0.28	mg/l	1	E	STGR
Na	10.4	1.4	mg/l	1	E	STGR
Si	7.93	1.15	mg/l	1	E	STGR
Al	2.11	0.66	µg/l	1	H	STGR
As	<0.05		µg/l	1	H	STGR
Ba	0.0349	0.0141	µg/l	1	H	STGR
Cd	<0.002		µg/l	1	H	STGR
Co	0.0103	0.0108	µg/l	1	H	STGR
Cr	0.585	0.105	µg/l	1	H	STGR
Cu	0.202	0.049	µg/l	1	H	STGR
Hg	<0.002		µg/l	1	F	STGR
Mn	0.196	0.061	µg/l	1	H	STGR
Mo	0.0606	0.0383	µg/l	1	H	STGR
Ni	0.172	0.043	µg/l	1	H	STGR
P	22.1	4.2	µg/l	1	H	STGR
Pb	0.0184	0.0087	µg/l	1	H	STGR
Sr	3.05	0.43	µg/l	1	E	STGR
Zn	1.59	0.32	µg/l	1	H	STGR
Sb	0.0184	0.0047	µg/l	2	H	STGR
B	<10		µg/l	2	E	STGR
Se*	0.147		µg/l	2	G	STGR
colour	<5		mgPt/l	3	1	KABJ
nitrite	<0.01		mg/l	4	1	KABJ
nitrate	0.40	0.06	mg/l	5	2	STGR
ammonium	<0.026		mg/l	6	3	CL
chloride	15.1	3.02	mg/l	7	3	CL
sulphate	3.15	0.631	mg/l	8	3	CL
TOC	0.65	0.13	mg/l	9	3	CL
fluoride	<0.200		mg/l	10	3	CL
CN total	<0.005		mg/l	11	3	CL
benzene	<0.20		µg/l	12	3	CL
toluene	<1.0		µg/l	12	3	CL
ethylbenzene	<0.10		µg/l	12	3	CL
m,p-xlen	<0.20		µg/l	12	3	CL
o-xlen	<0.10		µg/l	12	3	CL
xlenes, sum*	<0.20		µg/l	12	3	CL
dichloromethane	<2.0		µg/l	13	3	AKR
1,1-dichloroethane	<0.10		µg/l	13	3	AKR
1,2-dichloroethane	<1.0		µg/l	13	3	AKR
trans-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
cis-1,2-dichloroethene	<0.10		µg/l	13	3	AKR
1,2-dichloropropane	<1.0		µg/l	13	3	AKR
trichloromethane	<0.30		µg/l	13	3	AKR
tetrachloromethane	<0.10		µg/l	13	3	AKR
1,1,1-trichloroethane	<0.10		µg/l	13	3	AKR
1,1,2-trichlorethane	<0.20		µg/l	13	3	AKR
trichloroethene	<0.10		µg/l	13	3	AKR
tetrachloroethene	<0.20		µg/l	13	3	AKR

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Your ID	11-1427-04/BV-4/Geislahús Akranesi					
LabID	010386769					
Analysis	Results	Uncertainty (\pm)	Unit	Method	Issuer	Sign
vinylchloride	<0.00		$\mu\text{g/l}$	13	3	AKR
naphthalene	<0.20		$\mu\text{g/l}$	14	3	AKR
acenaphtylene	<0.10		$\mu\text{g/l}$	14	3	AKR
acenaphthene	<0.0070		$\mu\text{g/l}$	14	3	AKR
fluorene	<0.010		$\mu\text{g/l}$	14	3	AKR
phenanthrene	<0.040		$\mu\text{g/l}$	14	3	AKR
anthracene	<0.0050		$\mu\text{g/l}$	14	3	AKR
fluoranthene	<0.0050		$\mu\text{g/l}$	14	3	AKR
pyrene	<0.0050		$\mu\text{g/l}$	14	3	AKR
benzo(a)anthracene	<0.0030		$\mu\text{g/l}$	14	3	AKR
chrysene	<0.0070		$\mu\text{g/l}$	14	3	AKR
benzo(b)fluoranthene	<0.0040		$\mu\text{g/l}$	14	3	AKR
benzo(k)fluoranthene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(a)pyrene	<0.0020		$\mu\text{g/l}$	14	3	AKR
dibenzo(ah)anthracene	<0.0020		$\mu\text{g/l}$	14	3	AKR
benzo(ghi)perylene	<0.0030		$\mu\text{g/l}$	14	3	AKR
indeno(123cd)pyrene	<0.0030		$\mu\text{g/l}$	14	3	AKR
PAH, sum 16	<0.20		$\mu\text{g/l}$	14	3	AKR
PAH carcinogenic	<0.012		$\mu\text{g/l}$	14	3	AKR
PAH, sum others	<0.19		$\mu\text{g/l}$	14	3	AKR
tribromomethane	<0.20		$\mu\text{g/l}$	15	3	AKR
dibromochloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
bromodichloromethane	<0.10		$\mu\text{g/l}$	15	3	AKR
sum trihalomethanes	<0.35		$\mu\text{g/l}$	15	3	AKR

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* indicates unaccredited analysis.

Method specification	
1	Determination of metals without digestion. The measurement was carried out according to EPA-methods 200.7 (ICP-AES) and 200.8 (ICP-SFMS).
2	Additional metals
3	Determination of colour according to SS-EN ISO 7887:1988-4. Uncertainty (k=2): $\pm 14\%$ at 20 mg Pt/l <small>Rev 2011-02-03</small>
4	Determination of nitrite nitrogen according to SS-EN ISO 13395-1 (FIA). The method includes filtration of turbid samples. Uncertainty (k=2) Clean water: $\pm 8\%$ vid 0.01 mg N/l och $\pm 7\%$ vid 0.05 mg N/l Waste water: $\pm 9\%$ vid 0.01 mg N/l och $\pm 8\%$ vid 0.05 mg N/l <small>Rev 2011-02-03</small>
5	Determination of nitrate, NO ₃ , using ion chromatography. Method, SS-EN ISO 10304-1.
6	Determination of ammonium, low LOQ, using FIA and spectrophotometric detector according to CSN ISO 11732. Filtration of turbid samples is included in the method.
7	Determination of chloride using ion chromatography according to CSN ISO 10304-1&2. The method includes filtration of turbid samples.
8	Determination of sulfate using ion chromatography according to a method based on CSN ISO 10304-1&2. The method includes filtration of turbid samples.
9	Determination of TOC according to method based on CSN EN 1484.
10	Determination of fluoride using ion chromatography according to CSN ISO 10304-01. The method includes filtration of turbid samples.
11	Determination of total cyanide according to CSN ISO 6703-1.
12	Package OV-5. Determination of monocyclic aromatics (BTEX) by GC-MS.
13	Package OV-6. Determination of chlorinated aliphatics according to US EPA 624 & 610. The analysis was carried out with head-space GC-MS. Not accredited for determination of 1,2-dichloropropane.
14	Package OV-1.

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Method specification	
	Determination of polycyclic aromatic hydrocarbons, PAH (EPA-16) by HPLC with both UV and fluorescence detection.
15	Package OV-10. Determination of trihalomethanes according to a method based on EPA 601 and EPA 624. The measurement is performed with GC-MS.

Approver	
AKR	Anna-Karin Revell
CL	Camilla Lundeborg
KABJ	Karin Björk
STGR	Sture Grågg

Issuer¹	
E	The determination is performed using ICP-AES 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).
F	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).
G	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).
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 Scandinavia AB, Box 511, 183 25 Täby, which is accredited by the Swedish accreditation body SWEDAC (Reg.No. 2030).
2	The analysis is provided by AK Lab AB, Getängsvägen 29, 504 68 Borås, Sweden, which is a testing laboratory, accredited by the Swedish accreditation body SWEDAC (Reg.No. 1790).
3	The analysis is provided by ALS Laboratory Group, Na Harfě 9/336, 190 00, Praha 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 Harfě 9/336, 190 00, Praha 9, Ceska Lipa, Bendlova 1687/7, 470 03 Ceska Lipa, Pardubice, V Raji 906, 530 02 Pardubice. Contact the laboratory for further information.

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

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Issuer ¹	

The uncertainty is given as extended uncertainty (according to the definition in "Guide to the Expression of Uncertainty in Measurement", ISO, Geneva, Switzerland 1993) calculated with a coverage factor of 2, which gives a confidence level of approximately 95%.

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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