Statens vegvesen

Notat

Til:	Gunnar Solbakken	**Sakshandsamar:**	Jan Helge Aalbu
Frå:	Jan Helge Aalbu	**Tlf sakshand.**	45033684
Kopi til:		**Vår dato:**	13.05.2019

Miljøprøver ved Nestangen kontorbygg, Sogndal kommune

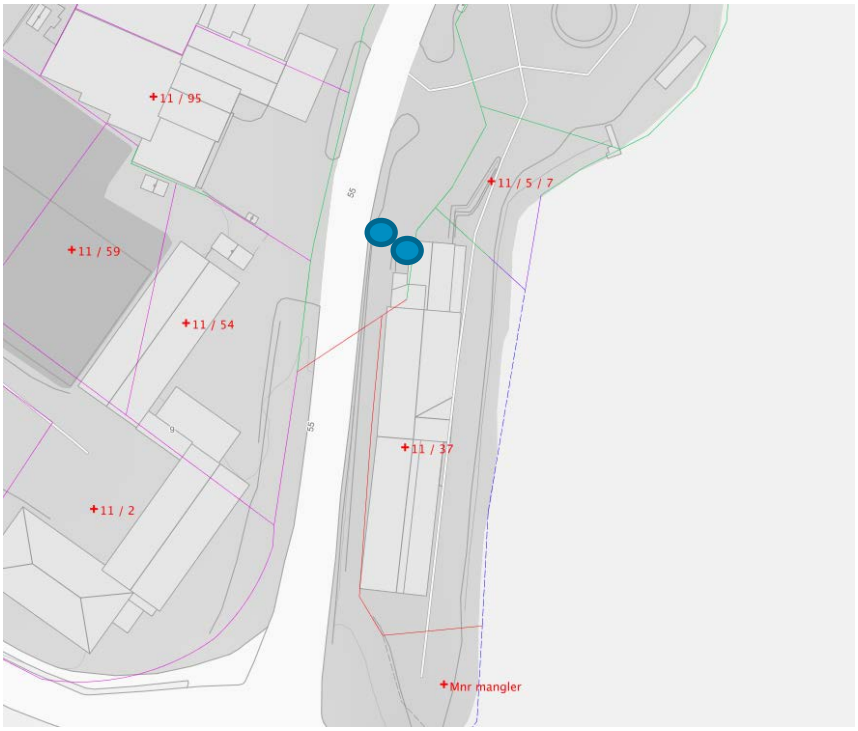
I samband med graving av grøft inn til kontorbygg på Nestangen i Sogndal kommune (11/37) blei det teke opp 6 jordprøvar. Dei blei teke opp i start og slutt av gøft på 40 cm djupne, 90 cm og 130 cm djupne (sjå vedlagt kart).

Prøvane er analyserte av ALS Laboratory Group.

Prøveresultata er brukt til å sette ein tilstandklasse for forurensa grunn etter veileder TA-2553/2009 frå Statens forurensingstilsyn. Det er delt inn i 5 tiltaksklaser. Tilstandklasse for alle prøvane frå Loftesnes kjem inn under tiltaksklasse 1 - Meget god.

For sentrumsområder, kontor og forretning skal det vere tiltakslasse 3 eller lågare.

Labresultat ligg vedlagt.



Figur 1: Omtrentleg plasering av prøvane

Ref: Statens forurensingstilsyn (2009): Tilstandsklasser for forurenset grunn (TA-2553/2009)

Rapport

N1906822

1K95TBIQR7H

Mottatt dato **2019-04-24**
Utstedt **2019-05-06**

Statens Vegvesen
Jan Helge Aalbu
Region Vest
Askeland 4
6863 Leikanger
Norway

Prosjekt **Rv 5 Loftesnes bru**
Bestnr **303775**

Analyse av faststoff

Deres prøvenavn **1-40**
Jord
Prøvetatt **2019-04-24**

Labnummer N00652936

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**96.8**	5.84	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**<0.10**		mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**31.7**	6.34	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**21.6**	4.31	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**27.7**	5.5	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**1.2**	0.2	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**20.4**	4.1	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Antracen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoranten a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Pyren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Krysen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR

Deres prøvenavn	**1-40**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652936

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Sum PAH-16 *	**n.d.**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM
Alifater >C10-C12 a ulev	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 a ulev	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 a ulev	**10.6**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 *	**11**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 *	**n.d.**		mg/kg TS	1	1	SAHM
Cr6+ a ulev	**0.084**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri a ulev	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol a ulev	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol a ulev	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol a ulev	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen a ulev	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen a ulev	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen a ulev	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen a ulev	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen a ulev	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen a ulev	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen a ulev	**<0.020**		mg/kg TS	2	1	CAFR

Deres prøvenavn	**1-40**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652936

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR

Deres prøvenavn	**1-90**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652937

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**96.6**	5.83	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**<0.10**		mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**11.8**	2.36	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**15.6**	3.11	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**27.7**	5.5	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**4.5**	0.9	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**15.6**	3.1	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Antracen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoranten a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Pyren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Krysen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Sum PAH-16 *	**n.d.**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM

Deres prøvenavn	**1-90**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652937

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Alifater >C10-C12 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 [a ulev]	**20.1**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 [*]	**20**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 [*]	**20**		mg/kg TS	1	1	SAHM
Cr6+ [a ulev]	**0.162**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri [a ulev]	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol [a ulev]	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol [a ulev]	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen [a ulev]	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	CAFR
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM

Deres prøvenavn	**1-90**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652937

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR

Deres prøvenavn	**1-130**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652938

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**96.9**	5.84	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**<0.10**		mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**5.40**	1.08	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**12.2**	2.43	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**12.3**	2.5	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**5.6**	1.1	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**13.6**	2.7	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Antracen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoranten a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Pyren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Krysen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Sum PAH-16 *	**n.d.**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM

Deres prøvenavn	**1-130**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652938

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Alifater >C10-C12 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 [a ulev]	**12.5**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 [*]	**13**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 [*]	**n.d.**		mg/kg TS	1	1	SAHM
Cr6+ [a ulev]	**0.259**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri [a ulev]	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol [a ulev]	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol [a ulev]	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen [a ulev]	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	CAFR
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM

Deres prøvenavn	**1-130**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652938

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR

Deres prøvenavn	**2-60**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652939

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**94.1**	5.68	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**0.11**	0.02	mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**8.77**	1.75	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**16.7**	3.33	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**10.0**	2.0	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**24.7**	4.9	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**76.0**	15.2	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Antracen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoranten a ulev	**0.020**	0.006	mg/kg TS	1	1	CAFR
Pyren a ulev	**0.021**	0.006	mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**0.015**	0.004	mg/kg TS	1	1	CAFR
Krysen^ a ulev	**0.014**	0.004	mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**0.038**	0.011	mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**0.013**	0.004	mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**0.026**	0.008	mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**0.042**	0.012	mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**0.031**	0.009	mg/kg TS	1	1	CAFR
Sum PAH-16 *	**0.22**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM

Deres prøvenavn	**2-60**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652939

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Alifater >C10-C12 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 [a ulev]	**12.0**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 [*]	**12**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 [*]	**n.d.**		mg/kg TS	1	1	SAHM
Cr6+ [a ulev]	**0.310**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri [a ulev]	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol [a ulev]	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol [a ulev]	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen [a ulev]	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	CAFR
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM

Deres prøvenavn	**2-60**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652939

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**0.042**	0.017	mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**0.176**	0.070	mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**0.018**	0.007	mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**0.084**	0.034	mg/kg TS	2	1	CAFR

Deres prøvenavn	**2-110**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652940

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**93.7**	5.65	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**<0.10**		mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**8.76**	1.75	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**17.5**	3.50	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**10.3**	2.1	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**23.8**	4.8	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**75.8**	15.2	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**0.013**	0.004	mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**0.012**	0.004	mg/kg TS	1	1	CAFR
Antracen a ulev	**0.012**	0.004	mg/kg TS	1	1	CAFR
Fluoranten a ulev	**0.035**	0.010	mg/kg TS	1	1	CAFR
Pyren a ulev	**0.037**	0.011	mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**0.023**	0.007	mg/kg TS	1	1	CAFR
Krysen^ a ulev	**0.025**	0.007	mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**0.097**	0.029	mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**0.028**	0.008	mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**0.080**	0.024	mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**0.014**	0.004	mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**0.098**	0.030	mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**0.082**	0.025	mg/kg TS	1	1	CAFR
Sum PAH-16 *	**0.56**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM

Deres prøvenavn	**2-110**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652940

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Alifater >C10-C12 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 [a ulev]	**13.7**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 [*]	**14**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 [*]	**n.d.**		mg/kg TS	1	1	SAHM
Cr6+ [a ulev]	**0.207**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri [a ulev]	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol [a ulev]	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol [a ulev]	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen [a ulev]	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	CAFR
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM

Deres prøvenavn	**2-110**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652940

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**0.043**	0.017	mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**0.171**	0.068	mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**0.032**	0.013	mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**0.094**	0.038	mg/kg TS	2	1	CAFR

Deres prøvenavn	**2-160**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652941

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Tørrstoff (E) a ulev	**93.0**	5.61	%	1	1	CAFR
As (Arsen) a ulev	**<0.50**		mg/kg TS	1	1	CAFR
Cd (Kadmium) a ulev	**<0.10**		mg/kg TS	1	1	CAFR
Cr (Krom) a ulev	**7.26**	1.45	mg/kg TS	1	1	CAFR
Cu (Kopper) a ulev	**18.3**	3.67	mg/kg TS	1	1	CAFR
Hg (Kvikksølv) a ulev	**<0.20**		mg/kg TS	1	1	CAFR
Ni (Nikkel) a ulev	**9.3**	1.9	mg/kg TS	1	1	CAFR
Pb (Bly) a ulev	**24.5**	4.9	mg/kg TS	1	1	CAFR
Zn (Sink) a ulev	**80.4**	16.1	mg/kg TS	1	1	CAFR
PCB 28 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 52 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 101 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 118 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 138 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 153 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
PCB 180 a ulev	**<0.0030**		mg/kg TS	1	1	CAFR
Sum PCB-7 *	**n.d.**		mg/kg TS	1	1	CAFR
Naftalen a ulev	**0.011**	0.003	mg/kg TS	1	1	CAFR
Acenaftylen a ulev	**0.010**	0.003	mg/kg TS	1	1	CAFR
Acenaften a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fluoren a ulev	**<0.010**		mg/kg TS	1	1	CAFR
Fenantren a ulev	**0.010**	0.003	mg/kg TS	1	1	CAFR
Antracen a ulev	**0.010**	0.003	mg/kg TS	1	1	CAFR
Fluoranten a ulev	**0.046**	0.014	mg/kg TS	1	1	CAFR
Pyren a ulev	**0.047**	0.014	mg/kg TS	1	1	CAFR
Benso(a)antracen^ a ulev	**0.031**	0.009	mg/kg TS	1	1	CAFR
Krysen^ a ulev	**0.046**	0.014	mg/kg TS	1	1	CAFR
Benso(b)fluoranten^ a ulev	**0.071**	0.021	mg/kg TS	1	1	CAFR
Benso(k)fluoranten^ a ulev	**0.025**	0.007	mg/kg TS	1	1	CAFR
Benso(a)pyren^ a ulev	**0.054**	0.016	mg/kg TS	1	1	CAFR
Dibenso(ah)antracen^ a ulev	**0.012**	0.004	mg/kg TS	1	1	CAFR
Benso(ghi)perylen a ulev	**0.063**	0.019	mg/kg TS	1	1	CAFR
Indeno(123cd)pyren^ a ulev	**0.055**	0.016	mg/kg TS	1	1	CAFR
Sum PAH-16 *	**0.49**		mg/kg TS	1	1	CAFR
Benzen a ulev	**<0.0050**		mg/kg TS	1	1	SAHM
Toluen a ulev	**<0.10**		mg/kg TS	1	1	SAHM
Etylbensen a ulev	**<0.020**		mg/kg TS	1	1	SAHM
Xylener a ulev	**<0.0150**		mg/kg TS	1	1	SAHM
Sum BTEX *	**n.d.**		mg/kg TS	1	1	SAHM
Alifater >C5-C6 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C6-C8 a ulev	**<7.00**		mg/kg TS	1	1	SAHM
Alifater >C8-C10 a ulev	**<5.0**		mg/kg TS	1	1	SAHM

Deres prøvenavn	**2-160**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652941

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
Alifater >C10-C12 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C12-C16 [a ulev]	**<3.0**		mg/kg TS	1	1	CAFR
Alifater >C16-C35 [a ulev]	**<10.0**		mg/kg TS	1	1	CAFR
Sum alifater >C12-C35 [*]	**n.d.**		mg/kg TS	1	1	CAFR
Sum alifater >C5-C35 [*]	**n.d.**		mg/kg TS	1	1	SAHM
Cr6+ [a ulev]	**0.212**	0.010	mg/kg TS	2	1	CAFR
Cyanid-fri [a ulev]	**<0.10**		mg/kg TS	2	1	CAFR
2-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
4-Monoklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4+2,5-Diklorfenol [a ulev]	**<0.040**		mg/kg TS	2	1	SAHM
2,6-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,5-Diklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,4,6-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
3,4,5-Triklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,5-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,4,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
2,3,5,6-Tetraklorfenol [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Pentaklorfenol [a ulev]	**<0.006**		mg/kg TS	2	1	SAHM
Monoklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,4-Diklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
1,2,3-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,4-Triklorbensen [a ulev]	**<0.030**		mg/kg TS	2	1	SAHM
1,3,5-Triklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2,3,5+1,2,4,5-Tetraklorbensen [a ulev]	**<0.020**		mg/kg TS	2	1	CAFR
Pentaklorbensen [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
Heksaklorbensen [a ulev]	**<0.0050**		mg/kg TS	2	1	CAFR
Diklormetan [a ulev]	**<0.060**		mg/kg TS	2	1	SAHM
Triklormetan (kloroform) [a ulev]	**<0.020**		mg/kg TS	2	1	SAHM
Trikloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetraklormetan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
Tetrakloreten [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dikloretan [a ulev]	**<0.0030**		mg/kg TS	2	1	SAHM
1,1,1-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
1,2-Dibrometan [a ulev]	**<0.0040**		mg/kg TS	2	1	SAHM

Deres prøvenavn	**2-160**
	Jord
Prøvetatt	**2019-04-24**
Labnummer	N00652941

Analyse	Resultater	Usikkerhet (±)	Enhet	Metode	Utført	Sign
1,1,2-Trikloretan [a ulev]	**<0.010**		mg/kg TS	2	1	SAHM
g-HCH (Lindan) [a ulev]	**<0.0010**		mg/kg TS	2	1	CAFR
o,p'-DDT [a ulev]	**0.040**	0.016	mg/kg TS	2	1	CAFR
p,p'-DDT [a ulev]	**0.161**	0.064	mg/kg TS	2	1	CAFR
o,p'-DDD [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDD [a ulev]	**0.031**	0.012	mg/kg TS	2	1	CAFR
o,p'-DDE [a ulev]	**<0.010**		mg/kg TS	2	1	CAFR
p,p'-DDE [a ulev]	**0.064**	0.026	mg/kg TS	2	1	CAFR

"a" etter parameternavn indikerer at analysen er utført akkreditert ved ALS Laboratory Group Norway AS.
"a ulev" etter parameternavn indikerer at analysen er utført akkreditert av underleverandør.
"*" etter parameternavn indikerer uakkreditert analyse.
Utførende laboratorium er oppgitt i tabell kalt Utf.
n.d. betyr ikke påvist.
n/a betyr ikke analyserbart.
< betyr mindre enn.
> betyr større enn.

	Metodespesifikasjon		
1	**Normpakke, normverdier for følsom arealbruk, med alifater del 1 (2).**		
	Metode:	Metaller:	ISO 11885, EPA 200.7, EPA 6010, SM 3120
		Tørrstoff:	ISO 11465
		Cr6+:	EN 15192, EPA 3060A
		Cyanid-fri:	ISO 6703-2
		PCB-7:	EPA 8082, ISO 10382
		Klorpesticider:	EPA 8081
		Klorbensener:	ISO 15009, EPA 8260, EPA 5021A, EPA 5021, EPA 8015, MADEP 2004, rev.1.1.
		Klorerte løsemidler:	ISO 15009, EPA 8260, EPA 5021A, EPA 5021, EPA 8015, MADEP 2004, rev.1.1.
	Måleprinsipp:	Metaller:	ICP-AES
		Cr6+:	IC-SPC
		Cyanid-fri:	Spektrofotometri
		PCB-7:	GC-ECD
		Klorpesticider:	GC-ECD
		Klorbensener:	GC-FID/MS
		Klorerte løsemidler:	GC-FID/MS
	Rapporteringsgrenser:	Metaller:	0,10-5,0 mg/kg TS
		Cr6+:	0,060 mg/kg TS
		Cyanid-fri:	0,10 mg/kg TS
		PCB-7:	0,0030 mg/kg TS
		Klorpesticider:	0,010 mg/kg TS
		g-HCH (Lindan):	0,0010 mg/kg TS
		Klorbensener:	0,010-0,030 mg/kg TS
		Heksaklorbensen:	0,0050 mg/kg TS
		Klorerte løsemidler:	0,0030-0,060 mg/kg TS
	Relativ måleusikkerhet:	Metaller:	20 %
		Tørrstoff:	10 %
		Cr6+:	20 %
		Cyanid-fri:	40 %
		PCB-7:	40 %
		Klorpesticider:	40 %
		Klorbensener:	40 %
		Klorerte løsemidler:	40 %
2	**Bestemmelse av Normpakke, normverdier for følsom arealbruk, del 2 (2).**		
	Metode:	PAH:	EPA 8270, ISO 18287
		BTEX:	ISO 15009, EPA 8260, EPA 5021A, EPA 5021, EPA 8015, MADEP 2004 rev. 1.1
		Klorfenoler:	ISO 14154, EPA 8041, EPA 3500
		Alifater:	EPA 8260, EPA 5021A, EPA 5021, EPA 8015, MADEP 2004, rev. 1.1, ISO 15009

	Metodespesifikasjon		
	Måleprinsipp:	PAH:	GC-MS
		BTEX:	GC-FID/MS
		Klorfenoler:	GC-MS/ECD
		Alifater:	GC-MS
	Rapporteringsgrenser:	PAH-16:	0,010 mg/kg TS
		Benzen:	0,0050 mg/kg TS
		BTEX:	0.01-0.10 mg/kg TS
		Klorfenoler:	0,020 mg/kg TS
		Pentaklorfenol:	0,006 mg/kg TS
		Alifater:	
		C5-C6:	7 mg/kg TS
		C6-C8:	7 mg/kg TS
		C8-C10:	5 mg/kg TS
		C10-C12:	3 mg/kg TS
		C12-C16:	3 mg/kg TS
		C16-C35:	10 mg/kg TS
		C12-C25:	6.5 mg/kg TS (SUM)
		C5-C35:	17.5 mg/kg TS (SUM)
	Måleusikkerhet:	PAH-16:	30 %
		BTEX	40 %
		Klorfenoler:	25 %
		Alifater:	30%

	Godkjenner
CAFR	Camilla Fredriksen
SAHM	Sabra Hashimi

	Utf[1]	
1	Ansvarlig laboratorium:	ALS Laboratory Group, ALS Czech Republic s.r.o, Na Harfě 9/336, Praha, Tsjekkia
	Lokalisering av andre ALS laboratorier:	
	Ceska Lipa	Bendlova 1687/7, 470 03 Ceska Lipa
	Pardubice	V Raji 906, 530 02 Pardubice
	Kontakt ALS Laboratory Group Norge, for ytterligere informasjon	

Måleusikkerheten angis som en utvidet måleusikkerhet (etter definisjon i "Evaluation of measurement data – Guide to the expression of uncertainty in measurement", JCGM 100:2008 Corrected version 2010) beregnet med en dekningsfaktor på 2 noe som gir et konfidensinterval på om lag 95%.

Måleusikkerhet fra underleverandører angis ofte som en utvidet usikkerhet beregnet med dekningsfaktor 2. For ytterligere informasjon, kontakt laboratoriet.

[1] Utførende teknisk enhet (innen ALS Laboratory Group) eller eksternt laboratorium (underleverandør).

Måleusikkerhet skal være tilgjengelig for akkrediterte metoder. For visse analyser der dette ikke oppgis i rapporten, vil dette oppgis ved henvendelse til laboratoriet.

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