



Norwegian State Pollution Monitoring Programme

Report 585/94

Client State Pollution Control Authority

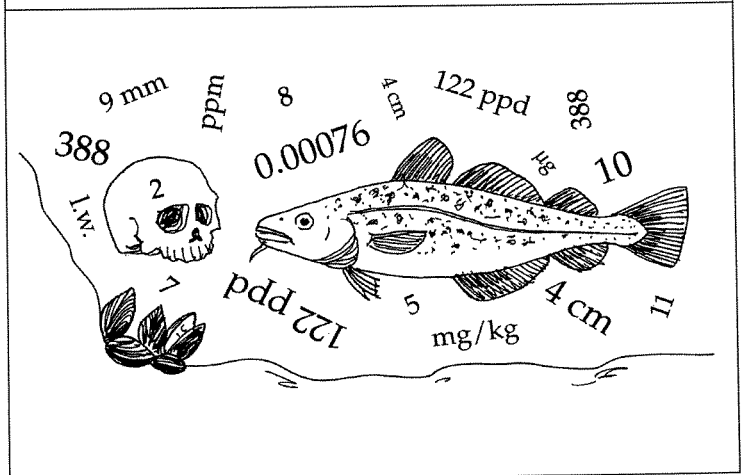
Contractor NIVA

Contaminants in shellfish and fish 1981-92



The Joint Monitoring Programme (JMP)

Norwegian Biota Data



NIVA - REPORT

Norwegian Institute for Water Research  NIVA

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Main Office P.O. Box 173, Kjelsås N-0411 Oslo Norway Phone (47) 22 18 51 00 Telefax (47) 22 18 52 00	Regional Office, Sørlandet Televeien 1 N-4890 Grimstad Norway Phone (47) 37 04 30 33 Telefax (47) 37 04 45 13	Regional Office, Østlandet Rute 866 N-2312 Ottestad Norway Phone (47) 62 57 64 00 Telefax (47) 62 57 66 53	Regional Office, Vestlandet Thormøhlensgt 55 N-5008 Bergen Norway Phone (47) 55 32 56 40 Telefax (47) 55 32 88 33	Akvaplan-NIVA A/S Søndre Tollbugate 3 N-9000 Tromsø Norway Phone (47) 77 68 52 80 Telefax (47) 77 68 05 09
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Abstract: This report is a compilation of data on contaminant concentrations in marine organisms used in the Norwegian contribution to the Joint Monitoring Programme and concerns mainly selected metals, organochlorines, polycyclic aromatic hydrocarbons that were collected during the period 1981 to 1992.

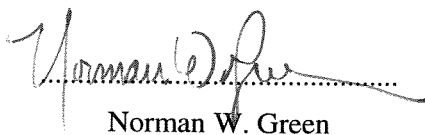
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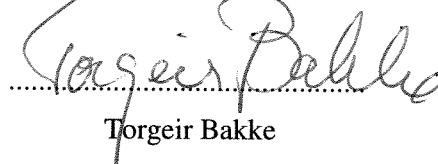
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Project manager


Norman W. Green

For the Administration


Torgeir Bakke

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Norwegian Institute for Water Research

**Contaminants in shellfish and fish
1981-92**

**JOINT MONITORING PROGRAMME (JMP)
NORWEGIAN BIOTA DATA**

Oslo, 20. November 1994

Project manager: Norman W. Green

Preface

This report presents a summary of the Norwegian data for contaminants in organisms 1981-1992 compiled for the Joint Monitoring Programme (JMP). JMP is administered by the Oslo and Paris Commissions (OSPARCOM) under the guidance of the International Council for the Exploration of the Seas (ICES). The programme is implemented by participating members comprising the Joint Monitoring Group (JMG).

The Norwegian JMP was primarily carried out by the Norwegian Institute for Water Research (NIVA) by contract from the Norwegian State Pollution Control Authority (SFT) (NIVA contract 80106). Other participating institutes have been:

*Institute for Nutrition, Fisheries Directorate
Institute of Marine Research (IMR)
Nordic Analytical Center
Swedish Environmental Research Institute
Norwegian Veterinary Institute
Foundation for Scientific and Industrial Research at the Norwegian Institute of Technology -
SINTEF-SI (previously: Center for Industrial Research SI)*

The Norwegian contribution to the JMP was initiated by SFT in 1981 as part of the national monitoring programme. It now comprises three areas: the Oslofjord and adjacent areas (Hvaler-Singlefjord area and Langesundfjord, 1981-), Sørffjord Hardangerfjord (1983-84, 1987-) and Orkdalsfjord area (1984-89, 1991).

Since the North Sea Task Force Monitoring Master Plan was implemented in 1990 additional areas have also been monitored. These include: Arendal area, Lista area and Bømlo-Sotra area.

On the initiative of NIVA and SFT blue mussel and fish were sampled at selected sites in merely diffusely contaminated areas (reference stations) from Bergen to Lofoten in 1991 and 1992.

Thanks are due to my colleagues at NIVA and the above mentioned institutes for helping to compile this data. These have been credited through the years in the National Comments. I am especially grateful to Audun Rønningen who has been responsible for the computer programs necessary to create the tables presented in this report.

Oslo, 20. November 1994.

*Norman W. Green
Project coordinator*

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1. Background and aims

The 1981-92 data for contaminants in organisms was compiled as part of the Norwegian contribution to the Joint Monitoring Programme (JMP) and the North Sea Task Force Monitoring Master Plan (NSTF-MMP) for the years 1990-91.

The JMP is performed as part of the Oslo and Paris Commissions (OSPARCOM). OSPARCOM was established in the seventies with the aim to protect the marine environment against anthropogenic contamination. The Oslo commission focuses on problems relating to dumping at sea in the northeast Atlantic and Baltic areas. Whereas the responsibility of the Paris commission is discharges from land based sources. Together, the commissions govern the "Joint Monitoring Group" (JMG) with the "International Council for the Exploration of the Sea" (ICES) as scientific adviser. Norway and other European countries, which are members of OSPARCOM have the following aims outlined in the "Joint Monitoring Program" (JMP) (OSPARCOM, 1990):

- 1) Assess the state of contamination,
- 2) Indicate possible remedial action.

The NSTF was established in 1989 by the countries bordering the North Sea. The NSTF aim is (NSTF, 1990):

To carry out work leading, in a reasonable time-scale, to a dependable and comprehensive statement of circulation patterns, inputs and dispersion of contaminants, ecological conditions and effects of human activities in the North Sea.."

Norway has designated three JMG areas: Oslofjord-area (including the Hvaler area, Singlefjord and Langesundsfjord), Sør fjord/Hardangerfjord and the Orkdalsfjord area and during 1990-91 have also included Arendal and Lista areas. The results have been presented for 1984-85 (Green, 1988), 1986 (Green, 1987; SFT, 1987), 1987 (SFT, 1988), 1988 (Green, 1989b; SFT, 1989), 1989 (Green, 1991, SFT, 1990), and 1990-91 (Green 1992, 1993a).

2. Sampling

The JMP stations monitored in 1981-92 by Norway are spread from the Swedish border to Lofoten (Fig.1 - 3).

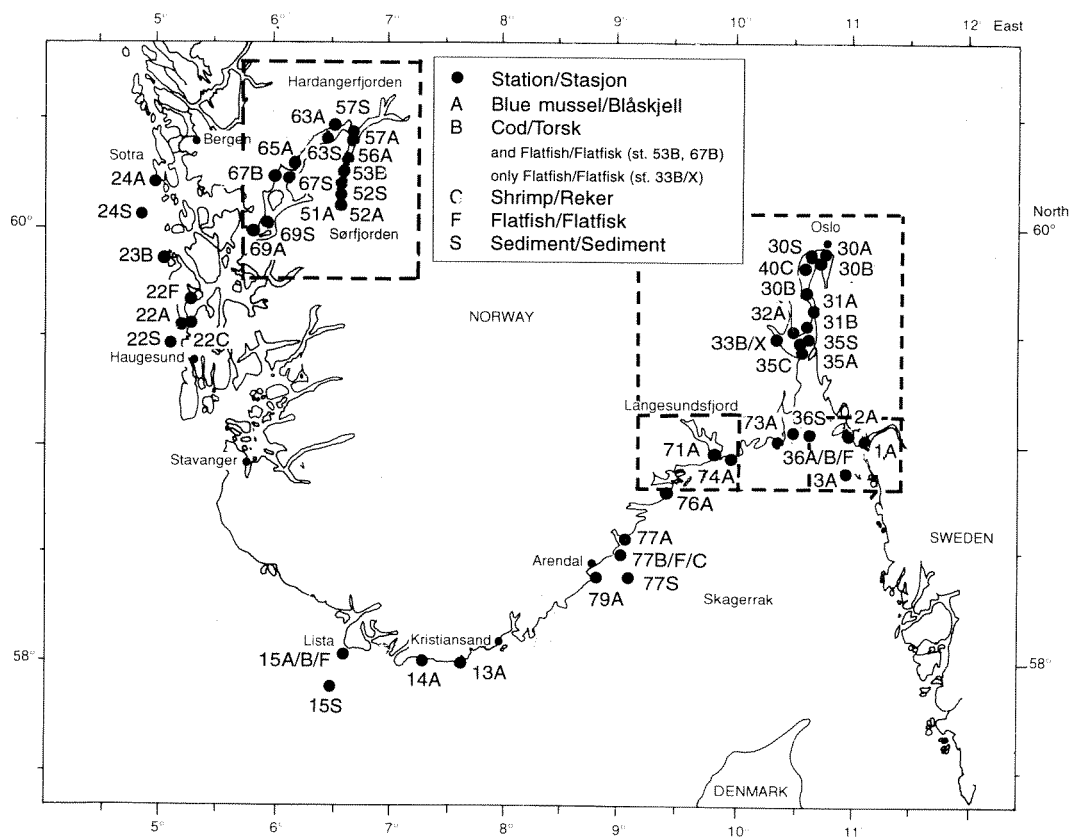
The sampling of biota has followed the ICES guidelines (ICES 1986, 1992) as closely as possible. For historical reason three size-groups of **mussels** (*Mytilus edulis*) have been sampled from most of the stations. The size classes were: 2-3, 3-4 and, 4-5cm. Fifty individuals were collected for each class. In order to obtain enough material for all analyses it was sometimes necessary to collect 100 individuals for the 2-3cm size class. In 1992 a stricter ICES approach was applied for new 1992 stations (north of the Bømlø area). For these stations 3 pooled samples of 20 individuals each will be collected (ICES, 1992). There is some evidence that the results from samples collected by the two methods are not significantly different. Pending further investigation it is proposed that all mussel samples for 1993 be collected by the "1992" ICES method.

To clean the intestinal canal (depuration) the mussels are kept alive for 12-24 hours in a 15 litre glass container with sea water from the respective sample localities and at ambient temperature. Following depuration the mussels were shucked and frozen. The depuration was omitted if there was sufficient evidence that the process had no significant influence on the body burden of the contaminants measured (cf., Green, 1989a).

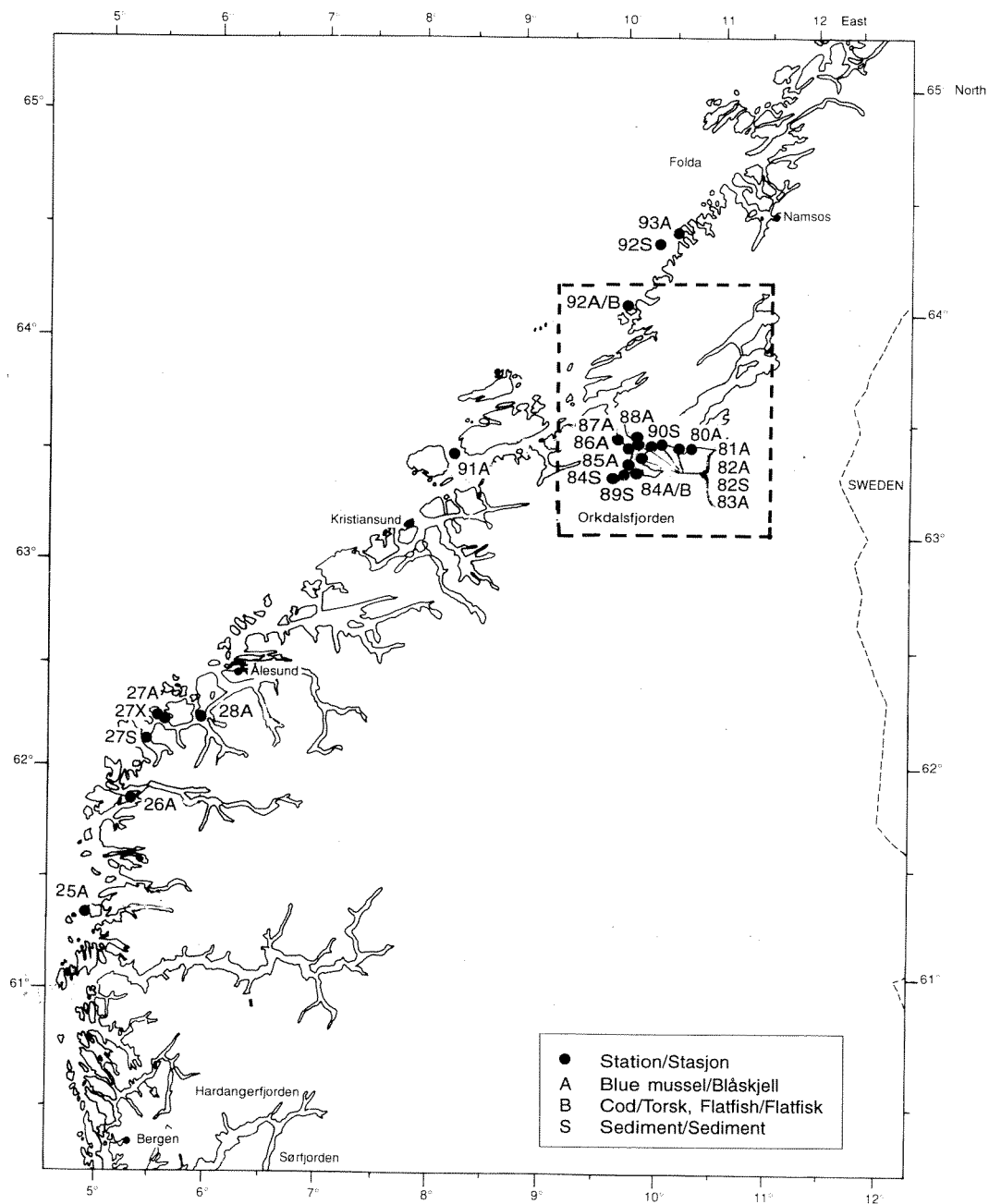
Routinely, **cod** (*Gadus morhua*) and one flatfish species was sampled. An attempt was made to collect the same species at each station each sampling year. The order of preference for flatfish species was: **dab** (*Limanda limanda*), **flounder** (*Platichthys flesus*) and **plaice** (*Pleuronectes platessa*). At one station (St.67B in the Hardangerfjord) the only flatfish in abundance was **megrin** (*Lepidorhombus whiffiagonis*) which has been sampled annually. If possible, the fish samples were sampled with five individuals within each of the five length classes roughly geometrically distributed:

	cod	flatfish
size class 1	370-420mm	300-320mm
size class 2	420-475mm	320-340mm
size class 3	475-540mm	340-365mm
size class 4	540-615mm	365-390mm
size class 5	615-700mm	390-420mm

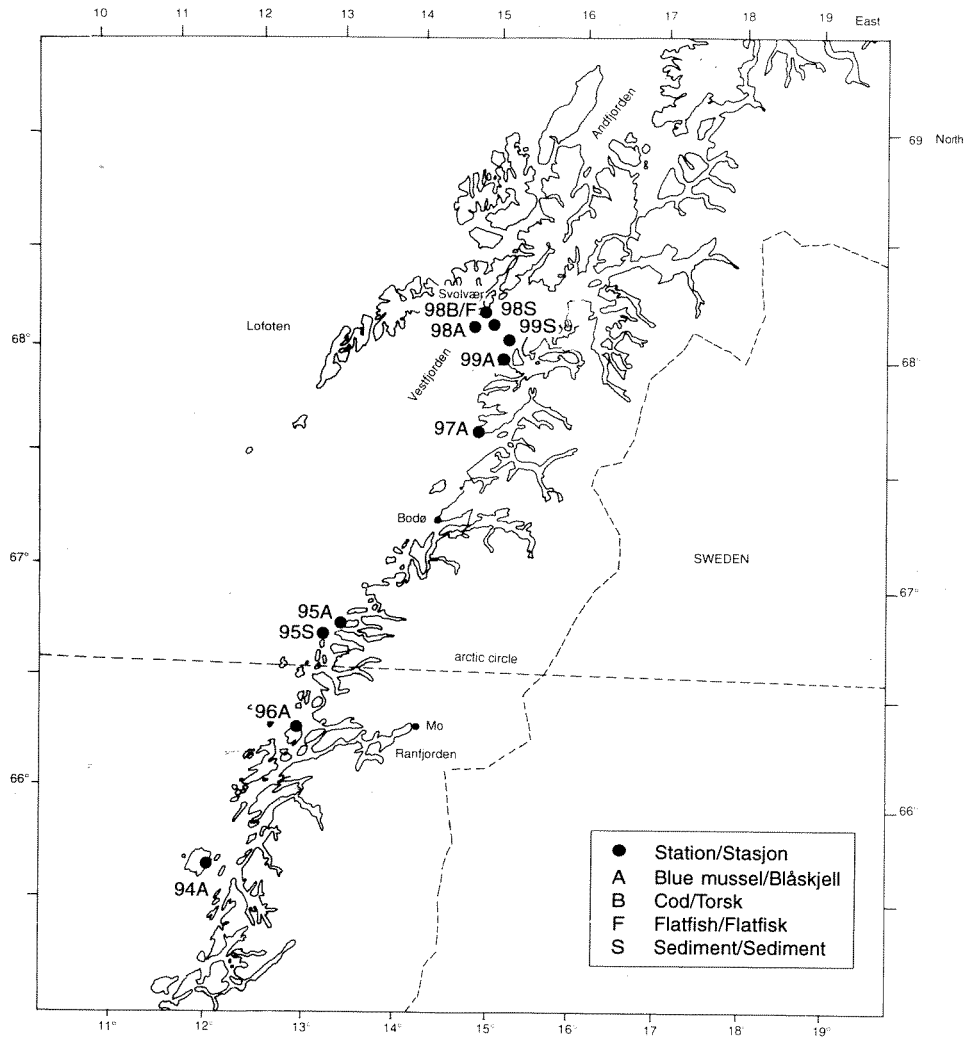
Two samples of 100 individuals of **Shrimp** (*Pandalus borealis*) were collected as supplementary data to assess possible health risk to the consumption of marine organisms.



Figur 1. JMP sampling stations along the southern coast of Norway from the Swedish border to Bergen.



Figur 2. JMP sampling stations along the western coast of Norway from Bergen to Namsos.



Figur 3. JMP sampling stations along the northwest coast of Norway from the region of Ranfjord to Lofoten.

3. Analyses

JMG (OSPARCOM 1990) agreed that the concentration of at least cadmium, copper, mercury, lead, zinc and polychlorinated hydrocarbons should be monitored in biota. In these investigations many other contaminants have also been quantified. A complete list of variables used is given in section 4. An overview of the contaminants and associated analytical methods has been given by Green (1993b).

Recently JMG has preferred that **seven individual isomers of PCB** be quantified (Table 1). which provided a far better basis for assessing trends and gradients of PCB; besides easing comparison of the results from one country to another. In addition, it was favourable and practical to quantify **SumDDE+DDT**, **HCB**, and the remaining **HCH-isomers** in connection with the analysis of chlorinated compounds. In some cases (analyses at NIVA) it was also convenient to include determinations of pentachlorobenzene(**5-CB**), octachlorostyrene (**OCS**), **CB-156** (2 3 4 5- 3'4'), **CB-209** (2 3 4 5 6 - 2'3'4'5'6) and **CB-105** (2 3 4 - 3'4').

Tabell 1. Suggested PCB-isomers which were quantified in biota (ICES, 1986).

IUPAC/CB no.	Structure
28	2 4 - 4'
52	2 5 - 2'5'
101	2 4 5 - 2'5'
118	2 4 5 - 3'4'
138	2 3 4 - 2'4'5'
153	2 4 5 - 2'4'5'
180	2 3 4 5 - 2'4'5'

For **fish** two types of tissue were analysed. Fish fillet was analyzed for the mercury and PCB content and fish liver was analyzed for all mentioned contaminants except mercury. In addition, the age, sex, and pathological state for each individual was determined. Other measurements include: fish weight and length, weight of liver, liver dry weight and fat content (% total extractable fat), the fillet dry weight and its % fat content.

Mussels were analyzed for all contaminants, shell length of each mussel was measured. On a bulk basis the total shell weight, total soft tissue weight, dry weight and % fat content was measured.

4. Variables

List of determinands in the Norwegian JMP database (Green, 1993b). Codes are derived by ICES (1992). Only a selection of codes are used in Tables A - C

Abbreviation ¹	English	Norwegian
ELEMENTS		
Al	aluminium	<i>aluminium</i>
As	arsenic	<i>arsenikk</i>
Cd	cadmium	<i>kadmium</i>
Co	cobalt	<i>kobolt</i>
Cr	chromium	<i>krom</i>
Cu	copper	<i>kobber</i>
Fe	iron	<i>jern</i>
Hg	mercury	<i>kvikksølv</i>
Li	lithium	<i>litium</i>
Mn	manganese	<i>mangan</i>
Ni	nickel	<i>nikkel</i>
Pb	lead	<i>bly</i>
Pb210	lead-210	<i>bly-210</i>
Se	selenium	<i>selen</i>
Ti	titanium	<i>titan</i>
Zn	zinc	<i>sink</i>
PAHs		
PAH	polycyclic aromatic hydrocarbons	<i>polysykliske aromatiske hydrokarboner</i>
ACNE	acenaphthene	<i>acenaften</i>
ACNLE	acenaphthylene	<i>acenaftylen</i>
ANT	anthracene	<i>antracene</i>
BAA ³	benz(a)anthracene	<i>benz(a)antracene</i>
BAP ³	benzo(a)pyrene	<i>benzo(a)pyren</i>
BBF ³	benzo(b)fluoranthene	<i>benzo(b)fluoranten</i>
BBKF	benzo(b+k)fluoranthene	<i>benzo(b+k)fluoranten</i>
BEP	benzo(e)pyrene	<i>benzo(e)pyren</i>
BGHIP	benzo(ghi)perylene	<i>benzo(ghi)perylen</i>
BIPN ²	biphenyl	<i>bifenyl</i>
BJKF ³	benzo(j,k)fluoranthene	<i>benzo(j,k)fluoranten</i>
CHR	chrysene	<i>chrysen</i>
COR	coronene	<i>coronen</i>
DBAHA ³	(see DBA3A)	<i>(se DBA3A)</i>
DBA3A ³	dibenz(a,c/a,h)anthracene	<i>dibenz(a,c/a,h)antracene</i>
DBP	dibenzopyrener	<i>dibenzopyren</i>
DBT	dibenzothiophene	<i>dibenzotiofen</i>
DBTC1	C ₁ -dibenzothiophenes	<i>C₁-dibenzotiofen</i>
DBTC2	C ₂ -dibenzothiophenes	<i>C₂-dibenzotiofen</i>

Abbreviations (cont'd.)

Abbreviation ¹	English	Norwegian
PAHs (cont.)		
DBTC3	C ₃ -dibenzothiophenes	<i>C₃-dibenzotiofen</i>
FLE	fluorene	<i>fluoren</i>
FLU	fluoranthene	<i>fluoranten</i>
ICDP ³	indeno(1,2,3-cd)pyrene	<i>indeno(1,2,3-cd)pyren</i>
NAPTM ²	2,3,5-trimethylnaphthalene	<i>2,3,5-trimetylnaftalen</i>
NAP ²	naphthalene	<i>naftalen</i>
NAP1M ²	1-methylnaphthalene	<i>1-metylnaftalen</i>
NAP2M ²	2-methylnaphthalene	<i>2-metylnaftalen</i>
NAPC1 ²	C ₁ -naphthalenes	<i>C₁-naftalen</i>
NAPC2 ²	C ₂ -naphthalenes	<i>C₂-naftalen</i>
NAPC3 ²	C ₃ -naphthalenes	<i>C₃-naftalen</i>
NAPDI ²	2,6-dimethylnaphthalene	<i>2,6-dimetylnaftalen</i>
PA	phenanthrene	<i>fenantren</i>
PAC1	C ₁ -phenanthrenes	<i>C₁-fenantren</i>
PAC2	C ₂ -phenanthrenes	<i>C₂-fenantren</i>
PAM1	1-methylphenanthrene	<i>1-metylfenantren</i>
PER	perylene	<i>perylen</i>
PYR	pyrene	<i>pyren</i>
DI-Σ_n	sum of "n" dicyclic "PAH"s (footnote 2)	<i>sum "n" disykliske "PAH" (fotnote 2)</i>
P-Σ_n	sum "n" PAH	<i>sum "n" PAH</i>
PK-Σ_n	sum carcinogen PAH's (footnote 3)	<i>sum kreftfremkallende PAH (fotnote 3)</i>
PAHΣΣ	DI-Σ _n + P-Σ _n etc.	<i>DI-Σ_n + P-Σ_n mm..</i>
SPA_H	"total" PAH, specific compounds not quantified (outdated analytical method)	<i>"total" PAH, spesifikke forbindelser ikke kvantifisert (foreldret metode)</i>
PCBs		
PCB	polychlorinated biphenyls	<i>polyklorerte bifenyler</i>
CB	individual chlorobiphenyls (CB)	<i>enkelte klorobifenyl</i>
CB28	CB28 (IUPAC)	<i>CB28 (IUPAC)</i>
CB31	CB31 (IUPAC)	<i>CB31 (IUPAC)</i>
CB44	CB44 (IUPAC)	<i>CB44 (IUPAC)</i>
CB52	CB52 (IUPAC)	<i>CB52 (IUPAC)</i>
CB95	CB95 (IUPAC)	<i>CB95 (IUPAC)</i>
CB101	CB101 (IUPAC)	<i>CB101 (IUPAC)</i>
CB105	CB105 (IUPAC)	<i>CB105 (IUPAC)</i>
CB110	CB110 (IUPAC)	<i>CB110 (IUPAC)</i>
CB118	CB118 (IUPAC)	<i>CB118 (IUPAC)</i>
CB128	CB128 (IUPAC)	<i>CB128 (IUPAC)</i>
CB138	CB138 (IUPAC)	<i>CB138 (IUPAC)</i>

Abbreviations (cont'd.)

Abbreviation ¹	English	Norwegian
PCBs (cont.)		
CB149	CB149 (IUPAC)	<i>CB149 (IUPAC)</i>
CB153	CB153 (IUPAC)	<i>CB153 (IUPAC)</i>
CB156	CB156 (IUPAC)	<i>CB156 (IUPAC)</i>
CB170	CB170 (IUPAC)	<i>CB170 (IUPAC)</i>
CB180	CB180 (IUPAC)	<i>CB180 (IUPAC)</i>
CB194	CB194 (IUPAC)	<i>CB194 (IUPAC)</i>
CB209	CB209 (IUPAC)	<i>CB209 (IUPAC)</i>
CB-Σ7	CB: 28+52+101+118+138+153+180	<i>CB: 28+52+101+118+138+153+180</i>
CB-ΣΣ	sum of CBs, includes CB-Σ7	<i>sum CBer, inkluderer CB-Σ 7</i>
ALD	aldrin	<i>aldrin</i>
DIELD	dieldrin	<i>dieldrin</i>
ENDA	endrin	<i>endrin</i>
CCDAN	cis-chlordane (=α-chlordane)	<i>cis-chlordan (=α -chlordan)</i>
TCDAN	trans-chlordane (=γ-chlordane)	<i>trans-chlordan (=γ -chlordan)</i>
OCDAN	oxy-chlordane	<i>oxy-chlordan</i>
TNONC	trans-nonachlor	<i>trans-nonaklor</i>
TCDAN	trans-chlordane	<i>trans-chlordan</i>
OCS	octachlorostyrene	<i>octaklorstyren</i>
QCB	pentachlorobenzene	<i>pentaklorbenzen</i>
DDD	dichlorodipenyldichloroethane 1,1-dichloro-2,2-bis- (4-chlorophenyl)ethane	<i>diklordifenyldikloretan</i> <i>1,1-dikloro-2,2-bis-(4-klorofenyl)etan</i>
DDE	dichlorodiphenylethylene (principle metabolite of DDT) 1,1-dichloro-2,2-bis- (4-chlorophenyl)ethylene*	<i>diklordifenyletylen</i> <i>(hovedmetabolitt av DDT)</i> <i>1,1-dikloro-2,2-bis-</i> <i>(4-klorofenyl)etylen</i>
DDT	dichlorodiphenyltrichloroethane 1,1,1-trichloro-2,2-bis- (4-chlorophenyl)ethane	<i>diklordifenyltrikloretan</i> <i>1,1,1-trikloro-2,2-bis-(4-klorofenyl)etan</i>
DDEOP	<i>o,p'</i> -DDE	<i>o,p'-DDE</i>
DDEPP	<i>p,p'</i> -DDE	<i>p,p'-DDE</i>
DDTOP	<i>o,p'</i> -DDT	<i>o,p'-DDT</i>
DDTPP	<i>p,p'</i> -DDT	<i>p,p'-DDT</i>
TDEOP	<i>o,p'</i> -DDD	<i>o,p'-DDD</i>
TDEPP	<i>p,p'</i> -DDD	<i>p,p'-DDD</i>

Abbreviations (cont'd.)

Abbreviation ¹	English	Norwegian
DDTEP	p,p'-DDE + p,p'-DDT	<i>p,p'-DDE + p,p'-DDT</i>
DD-nΣ	sum of DDT and metabolites, n = number of compounds	<i>sum DDT og metaboliter, n = antall forbindelser</i>
HCB	hexachlorobenzene	<i>heksaklorbenzen</i>
HCHG	lindane γ HCH = gamma hexachlorocyclohexane (γ BHC = gamma benzenhexachloride, outdated synonym)	<i>lindan γHCH = gamma heksaklorsykloheksan (γBHC = gamma benzenheksaklorid, foreldret navn)</i>
HCHA	α HCH = alpha HCH	<i>αHCH = alpha HCH</i>
HCHB	β HCH = beta HCH	<i>βHCH = beta HCH</i>
HC-nΣ	sum of HCHs, n = count	<i>sum av HCHs, n = antall</i>
EOCI	extractable organically bound chlorine	<i>ekstraherbart organisk bundet klor</i>
EPOCI	extractable persistent organically bound chlorine	<i>ekstraherbart persistent organisk bundet klor</i>
NTOT	total organic nitrogen	<i>total organisk nitrogen</i>
CORG	organic carbon	<i>organisk karbon</i>
GSAMT	grain size	<i>kornfordeling</i>
MOCON	moisture content	<i>vanninnhold</i>

- 1) After: ICES Environmental Data Reporting Formats. International Council for the Exploration of the Sea. January 1992.
- 2) Indicates "PAH" compounds that are dicyclic and not truly PAH's typically identified during the analyses of PAH, include naphthalenes and "biphenyls".
- 3) Indicates PAH compounds potentially cancerogenic for humans according to IARC (1987), i.e., categories 2A+2B (possibly and probably carcinogenic).
- *) The Pesticide Index, second edition. The Royal Society of Chemistry, 1991.

5. Analytical laboratories

The analytical laboratories involved in the 1981-92 biota survey are listed below (ICES laboratory codes) (from Green, 1993b):

Abbreviation ¹	English	Norwegian
INSTITUTES		
FIER	Institute for Nutrition, Fisheries Directorate	<i>Fiskeridirektoratets Ernæringsinstitutt</i>
IMRN	Institute of Marine Research (IMR)	<i>Havforskningsinstituttet</i>
NACE	Nordic Analytical Center	<i>Nordisk Analyse Center</i>
NIVA	Norwegian Institute for Water Research	<i>Norsk institutt for vannforskning</i>
SERI	Swedish Environmental Research Institute	<i>Institutionen för vatten- och luftvårdsforskning</i>
VETN	Norwegian Veterinary Institute	<i>Veterinærinstituttet</i>
SIIF	Fondation for Scientific and Industrial Research at the Norwegian Institute of Technology - SINTEF (a division, previously: Center for Industrial Research SI)	<i>Stiftelsen for industriell og teknisk forskning ved Norges tekniske høgskole-SINTEF (en avdeling, tidligere: Senter for industriforskning SI)</i>

¹) After: ICES Environmental Data Reporting Formats. International Council for the Exploration of the Sea. January 1992.

6. Comment on quality assurance and detection limit

The analytical labs have been routinely involved in international and national intercalibration exercises. An overview of which exercises the laboratories have participated in has been given in Green (1993b). In addition the laboratories have (more regularly in recent years) analyzed standard reference material in connection with analyses of the samples used in monitoring. The results of incalibration excercises and analyses of the standard reference material is discussed in part in the annual National Comments.

The detections limits are approximations based on 3 times the standard deviation of the 'blank' or near zero concentration of a solution. Day-to-day variations in the analytical instrument may lead to minor variation in detection limits.

7. Explanation of Tables A and B

Table A and **Table B** presents concentration of the contaminants found in shellfish (blue mussel and shrimp) and fish, respectively. All data are on a **original basis** basis that is the basis on which the sample was analyzed. Two units of measure are used: **ppm** (parts per million, mg/kg) and **ppb** (parts per billion, µg/kg). The numeric values shown have been printed with a fixed number of digits and do not necessarily indicate analytical precision. (Refer also to the comments preceding the tables)

The data is sorted by (in descending order):

Species	ICES code, latin, English and Norwegian name follow
Sample area	refers to the official JMP designation and for some samples this may be undefined. The stations are sorted beginning with those near the Swedish border and continuing around the coast to Lofoten.
Tissue	refers to type of tissue analyzed
Locality	station name and position

8. References

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TABLE A
SHELLFISH 1981-92

REPORT INFORMATION : " S H E L L F I S H " .

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----- : -----
Table-File-Name      : I:\TBX\JMG\BIO\TAB-OSHL.TB1
Limit-CheckFile     : )LIM\NO-LIMIT.SHL
Weight basis        : "ORIGINAL".
Table SORT-Mode     : 1. SPECIES.
                   : 2. TISSUE.
                   : 3. LOCALITY-index. (Predefined sequence)
                   : 4. DATE
                   : 5. SAMPLE-TYPE (Indiv.,Bulked,Homogenate)
----- : -----

```

NOTES :

- ☛ The detection limits given here are approximations based on 3 times the standard deviation of the "blank" or near zero concentration of a solution.
Day to day variations in the analytical instrument may lead to different detection limits.
- ☛ Method codes are explained in: Green,N.W.,1993. Overview of Analytical Methods Employed by JMP in Norway 1981-92. NIVA project 80106.
- ☛ NB ! The numeric values shown have been printed with a FIXED number of digits, and do not necessarily indicate analytical precision.
- ☛ If a numeric value is suspect, the value is ignored in parameter statistics. (Unless all observations are suspect).
If value can not be converted to basis for this table, the value is printed in the original basis but not included in any parameter statistics unless all values are in original basis.
- ☛ For "Σ" variables (e.g. CB_Σ7, DD_Σ4) , all the "<"-values (less than the detection limits) are counted only once.
If two or more different "<"-values are present, the maximum of the least questionable (suspect) "<"-value is used.
Any missing "Σ"-elements are ignored.
- ☛ If replicates are analyzed, the mean value of the replicates is counted in parameter statistics.
- ☛ If value is prefixed "<<", the number of "<" values is greater or equal to 25% of computed observations.
Standard Deviation values are prefixed the character "~" if any "<" values are included.
- ☛ Footnotes consist of 4 parts:
 - 1: a letter code (e.g ? or a/A)
The letter code may include one or more characters indicating possible matching letters referenced before or after numbers.
When more letters are given, the syntax "A:D" means any of "A,B,C or D" while syntax "a/A" means any of "a" or "A" is referencing.
 - 2: a count (in paranthesis)
 - 3: a "!" or ">"
"!" refer to notes BEFORE numeric values.
">" refer to notes AFTER numeric values.
 - 4: The footnote explanation.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **01A Sponvika**, Latitude: 59°05.10N, Longitude: 11°13.90E.
 Catch,date : **821014**, Count: 153, Sample type: **Bulked**.

Analytical Lab.	=>	SIIF	SIIF	SIIF
Analysis Code.	=>	130	120	111
Detection Limit.	=>	0.010	0.010	5.00
Shell-length -wght	No of	Cd	Hg	PCB
Repl. Min:Max,Mean	mean shell	ppm	ppm	ppb
no.	g	w.wt	w.wt	w.wt
01/ 0	40:50	45	51	117.0
02/ 0	30:40	35	50	37.0
03/ 0	20:30	26	52	13.0
Mean	35.3	51.0		55.7
Minimum	26	50		13.0
Maximum	45	52		117.0
St.dev.	9.5	1.0		54.5
Count	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **01A Sponvika**, Latitude: 59°05.10N, Longitude: 11°13.90E.
 Catch,date : **851016**, Count: 156, Sample type: **Bulked**.
 Comment : BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10) . WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE

Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	=>	130	132	130	132	111	111	111
Detection Limit.	=>	0.010	0.010	0.020	0.040	5.00	0.50	0.20
Shell-length -wght	No of	Cd	Hg	Pb	Zn	PCB	DDTEP	HCB
Repl. Min:Max,Mean	mean shell	ppm	ppm	ppm	ppm	ppb	ppb	ppb
no.	g	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt
01/ 0	20:29	25	0.80	2.110	0.210	9.810	0.770	89.00
02/ 0	30:39	34	1.90	2.460	0.190	7.609	0.810	100.00
03/ 0	40:49	44	4.10	3.690	0.190	7.760	1.350	127.00
Mean	34.3	2.27	52.0	2.753	0.197	8.393	0.977	105.33
Minimum	25	0.80	50	2.110	0.190	7.609	0.770	89.00
Maximum	44	4.10	56	3.690	0.210	9.810	1.350	127.00
St.dev.	9.5	1.68	3.5	0.06	0.830	0.012	0.324	19.55
Count	3	3	3	3	3	3	3	3

miss(4) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **01A Sponvika**, Latitude: 59°05.40N, Longitude: 11°12.50E.
 Catch,date : **901106**, Count: 200, Sample type: **Bulked**.

Analytical Lab. Analysis Code. =>=>	Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm g	NIVA		NIVA		NIVA		NIVA		NIVA	
		312	310	311	310	312	311	312	311	312	311
Mean Weight g		0.030	0.150	0.030	0.150	0.030	0.150	0.030	0.150	0.030	0.150
		Cd	Cu	Cd	Cu	Hg	Pb	Hg	Pb	Zn	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:29 25 0.90 100		0.090	2.300	0.090	2.300	0.020	0.280	0.020	0.280	20.20	20.20
02/ 0 30:39 35 2.20 50		0.120	1.400	0.120	1.400	0.020	0.200	0.020	0.200	23.20	23.20
03/ 0 40:49 44 3.60 50		0.100	1.000	0.100	1.000	0.020	0.190	0.020	0.190	21.60	21.60
Mean 34.7 2.23 66.7		0.103	1.567	0.103	1.567	0.020	0.223	0.020	0.223	21.67	21.67
Minimum 25 0.90 50		0.090	1.000	0.090	1.000	0.020	0.190	0.020	0.190	20.20	20.20
Maximum 44 3.60 100		0.120	2.300	0.120	2.300	0.020	0.280	0.020	0.280	23.20	23.20
St.dev. 9.5 1.35 28.9		0.015	0.666	0.015	0.666	0.000	0.049	0.000	0.049	1.50	1.50
Count 3 3 3		3	3	3	3	3	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **02A Fugleskjær**, Latitude: 59°06.90N, Longitude: 10°59.00E.
 Catch,date : **821014**, Count: 145, Sample type: **Bulked**.

Analytical Lab. Analysis Code. =>=>	Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm g	SIIF		SIIF		SIIF		SIIF		SIIF	
		130	120	130	120	130	120	130	120	130	120
Mean		0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Cd	Hg	Cd	Hg	Cd	Hg	Cd	Hg	Cd	Hg
		ppm	ppb	ppm	ppb	ppm	ppb	ppm	ppb	ppm	ppb
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 40:50 45 50		0.310	0.029	0.310	0.029	0.310	0.029	0.310	0.029	28.0	28.0
02/ 0 30:40 36 50		0.260	0.025	0.260	0.025	0.260	0.025	0.260	0.025	25.0	25.0
03/ 0 20:30 26 45		0.360	0.041	0.360	0.041	0.360	0.041	0.360	0.041	53.0	53.0
Mean 35.7 48.3		0.310	0.032	0.310	0.032	0.310	0.032	0.310	0.032	35.3	35.3
Minimum 26 45		0.260	0.025	0.260	0.025	0.260	0.025	0.260	0.025	25.0	25.0
Maximum 45 50		0.360	0.041	0.360	0.041	0.360	0.041	0.360	0.041	53.0	53.0
St.dev. 9.5 2.9		0.050	0.008	0.050	0.008	0.050	0.008	0.050	0.008	15.4	15.4
Count 3 3		3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue: **Whole SOFT BODY**.
 Locality : **03A Tisler**, Latitude: 58°58.80N, Longitude: 10°57.50E.
 Catch,date : **821014**, Count: 100, Sample type: **Bulked**.

Analytical Lab.		=>		SIIF		SIIF		SIIF	
Analysis Code.		=>		130		120		111	
Detection Limit.		=>		0.010		0.010		5.00	
Samp/	Shell-length	-wght	No of	Dry	Fat	Hg	Pcb	Hg	Pcb
Repl.	Min:Max,	Mean	mean shell	%	%	ppm	ppb	ppm	ppb
no.	mm:mm	mm	g			w.wt	w.wt	w.wt	w.wt
01/ 0	40:50	45	47	.	0.80	0.230	0.020	14.0	14.0
02/ 0	30:40	36	53	.	0.50	0.210	0.024	16.0	16.0
Mean	40.5	50.0		.	0.65	0.220	0.022	15.0	15.0
Minimum	36	47		.	0.50	0.210	0.020	14.0	14.0
Maximum	45	53		.	0.80	0.230	0.024	16.0	16.0
St.dev.	6.4	4.2		.	0.21	0.014	0.003	1.4	1.4
Count	2	2		.	2	2	2	2	2

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue: **Whole SOFT BODY**.
 Locality : **03A Tisler**, Latitude: 58°58.80N, Longitude: 10°57.50E.
 Catch,date : **851015**, Count: 103, Sample type: **Bulked**.
 Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10) . WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Analytical Lab.		=>		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		
Analysis Code.		=>		130		120		132		130		132		111		111		111		
Detection Limit.		=>		0.010		0.010		0.040		0.020		0.40		5.00		0.50		0.20		
Samp/	Shell-length	-wght	No of	Dry	Fat	Hg	Mn	Pb	Zn	Pcb	DD	TEP	DD	Σ4	HCB	HCB	HCB	HCB	HCB	
Repl.	Min:Max,	Mean	mean shell	%	%	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
no.	mm:mm	mm	g			d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	
01/ 0	20:28	23	0.60	21	20.00	1.30	0.950	0.650	79.20	<26.0	miss	miss	miss	<15.3	0.90	0.90	0.90	<<.57	<<.57	
02/ 0	30:39	36	3.00	32	19.89	0.90	0.950	0.390	76.10	8.0	0.80	0.80	0.80	8.0	0.80	0.80	0.80	<0.10	<0.10	
03/ 0	40:49	44	6.60	50	19.80	1.30	0.970	0.390	67.60	12.0	1.00	1.00	1.00	12.0	1.00	1.00	1.00	1.00	1.00	
Mean	34.3	34.0	34.3		19.90	1.17	0.957	0.477	74.30	<15.3	0.90	0.90	0.90	<15.3	0.90	0.90	0.90	<<.57	<<.57	
Minimum	23	0.60	21		19.80	0.90	0.950	0.390	67.60	8.0	0.80	0.80	0.80	8.0	0.80	0.80	0.80	<0.10	<0.10	
Maximum	44	6.60	50		20.00	1.30	0.970	0.650	79.20	<26.0	1.00	1.00	1.00	<26.0	1.00	1.00	1.00	1.00	1.00	
St.dev.	10.6	3.02	14.6		0.10	0.23	0.012	0.150	6.01	~9.5	0.14	0.14	0.14	~9.5	0.14	0.14	0.14	0.14	0.45	
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3

miss (2) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **306 Håøya**, Latitude: 59°42.69N, Longitude: 10°33.35E.
 Catch.date : **921106**, Count: 150, Sample type: **Bulked**.
 Comment : Station name : Håøya

Analytical Lab. Code.	Shell-length -width No of	Mean Weight g	Dry %	Fat %	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		Σ(*)		Σ(*)		NIVA		Σ(*)	
					312	311	310	311	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
01/ 0	20:29	24	0.90	50	0.240	1.180	0.010	0.340	32.40	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
02/ 0	30:39	34	2.50	50	0.180	1.100	0.010	0.250	24.30	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
03/ 0	40:49	45	5.70	50	0.220	1.040	0.010	0.310	26.70	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Mean	34.3	3.03	50.0		1.70	1.70	1.70	1.70	27.80	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Minimum	24	0.90	50		1.70	1.70	1.70	1.70	24.30	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maximum	45	5.70	50		0.240	1.180	0.010	0.340	32.40	0.30	0.30	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
St.dev.	10.5	2.44	0.0		0.00	0.031	0.070	0.046	4.16	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	3	3	3		2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Tab.width cont'd **MYTI EDU, SB, J26, 306 Håøya, 921106**.

Analytical Lab. Code.	Shell-length -width No of	Mean Weight g	Dry %	Fat %	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		Σ(*)		Σ(*)		NIVA		Σ(*)	
					341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
01/ 0	20:29	24	0.90	50	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
02/ 0	30:39	34	2.50	50	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
03/ 0	40:49	45	5.70	50	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean	34.3	3.03	50.0		0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Minimum	24	0.90	50		0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Maximum	45	5.70	50		0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
St.dev.	10.5	2.44	0.0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	3	3	3		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Sample.No 01 : Kun 50 stk. D:rtig rekrutering Oljefilm fra Blucher i hele sundet.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **30A Gressholmen**, Latitude: 59°52.50N, Longitude: 10°43.00E.
 Catch.date : **841011**, Count: 160, Sample type: **Bulked**.

Analytical Lab. Code.	Shell-length -width No of	Mean Weight g	Dry %	Fat %	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		Σ(*)		Σ(*)		SIIF		Σ(*)	
					130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132
01/ 0	20:30	25	1.10	60	0.980	0.020	0.780	s0.040	23.90	0.980	0.020	0.780	s0.040	23.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
02/ 0	30:40	35	3.00	50	0.720	0.032	0.650	s0.040	21.30	0.720	0.032	0.650	s0.040	21.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
03/ 0	40:50	44	5.90	50	0.750	0.015	0.710	s0.050	22.60	0.750	0.015	0.710	s0.050	22.60	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Mean	34.7	3.33	53.3		0.817	0.022	0.713	s0.043	22.60	0.817	0.022	0.713	s0.043	22.60	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
Minimum	25	1.10	50		0.720	0.015	0.650	s0.040	21.30	0.720	0.015	0.650	s0.040	21.30	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Maximum	44	5.90	60		0.980	0.032	0.780	s0.050	23.90	0.980	0.032	0.780	s0.050	23.90	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
St.dev.	9.5	2.42	5.8		0.142	0.009	0.065	0.006	1.30	0.142	0.009	0.065	0.006	1.30	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(6) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **30A Gressholmen**, Latitude: 59°52.50N, Longitude: 10°43.00E.
 Catch,date : **851029**, Count: 162, Sample type: **Bulked**.
 Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10). WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Analytical Lab. =>	SIIF						SIIF						SIIF											
	=>			=>			=>			=>			=>			=>			=>					
	Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.				
<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	
Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	
01/ 0	20:29	26	1.00	0.93	22.20	1.70	0.810	0.073	3.960	2.430	90.50	95.0	4.00	4.00	1.00	0.93	22.20	1.70	0.810	0.073	3.960	2.430	90.50	95.0
02/ 0	30:39	35	2.60	2.24	22.80	1.50	0.770	0.068	3.780	2.390	89.50	89.0	4.00	4.00	<0.20	2.24	22.80	1.50	0.770	0.068	3.780	2.390	89.50	89.0
03/ 0	40:49	45	5.70	4.48	22.00	1.60	1.000	0.077	3.760	2.570	101.00	s<5.0	s<0.20	s<0.20	0.09	4.48	22.00	1.60	1.000	0.077	3.760	2.570	101.00	s<5.0
Mean	35.3	3.10	54.0	2.55	22.33	1.60	0.860	0.073	3.833	2.463	93.67	92.0	4.00	4.00	<<.43	2.55	22.33	1.60	0.860	0.073	3.833	2.463	93.67	92.0
Minimum	26	1.00	50	0.93	22.00	1.50	0.770	0.068	3.760	2.390	89.50	89.0	4.00	4.00	0.09	0.93	22.00	1.50	0.770	0.068	3.760	2.390	89.50	89.0
Maximum	45	5.70	62	4.48	22.80	1.70	1.000	0.077	3.960	2.570	101.00	95.0	4.00	4.00	1.00	4.48	22.80	1.70	1.000	0.077	3.960	2.570	101.00	95.0
St.dev.	9.5	2.39	6.9	1.80	0.42	0.10	0.123	0.005	0.110	0.095	6.37	4.2	0.00	0.00	~0.50	1.80	0.42	0.10	0.123	0.005	0.110	0.095	6.37	4.2
Count	3	3	3	3	3	3	3	3	3	3	3	12	12	12	3	3	3	3	3	3	3	3	12	12

s/q(3) ! Suspect value(s)
 i (3) ! Suspect or ambiguous basis-value(s) ignored in statistics.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **30A Gressholmen**, Latitude: 59°52.50N, Longitude: 10°43.00E.
 Catch,date : **861020**, Count: 146, Sample type: **Bulked**.

Analytical Lab. =>	NIVA						NIVA						NIVA						NIVA											
	=>			=>			=>			=>			=>			=>			=>			=>			=>			=>		
	Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.		Analysis Code.	Detection Limit.				
<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of	<u>Shell-length</u>	mm	mm	No of			
Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g	Mean	g	%	g			
01/ 0	23:29	26	1.40	0.99	18.90	1.20	1.390	7.450	0.120	3.710	155.00	40.0	2.10	<3.00	390.0	0.99	18.90	1.20	1.390	7.450	0.120	3.710	155.00	40.0	2.10	<3.00	390.0			
02/ 0	30:39	34	2.80	2.10	19.40	1.30	1.430	s16.300	0.180	4.430	127.00	40.0	2.20	<3.00	210.0	2.10	19.40	1.30	1.430	7.450	0.180	4.430	127.00	40.0	2.20	<3.00	210.0			
03/ 0	40:49	44	5.80	2.39	19.70	2.60	miss	miss	miss	miss	miss	85.0	4.30	<3.00	520.0	2.39	19.70	2.60	1.430	7.450	0.180	4.430	155.00	85.0	4.30	<3.00	520.0			
Mean	34.7	3.33	48.7	1.83	19.33	1.70	1.410	7.450	0.150	4.070	141.00	55.0	2.87	<<3.00	373.3	1.83	19.33	1.70	1.410	7.450	0.150	4.070	141.00	55.0	2.87	<<3.00	373.3			
Minimum	26	1.40	46	0.99	18.90	1.20	1.390	7.450	0.120	3.710	127.00	40.0	2.10	<3.00	210.0	0.99	18.90	1.20	1.390	7.450	0.120	3.710	127.00	40.0	2.10	<3.00	210.0			
Maximum	44	5.80	50	2.39	19.70	2.60	1.430	7.450	0.180	4.430	155.00	85.0	4.30	<3.00	520.0	2.39	19.70	2.60	1.430	7.450	0.180	4.430	155.00	85.0	4.30	<3.00	520.0			
St.dev.	9.0	2.25	2.3	0.74	0.40	0.78	0.028	.	0.042	0.509	19.80	26.0	1.24	~0.00	155.7	0.74	0.40	0.78	0.028	.	0.042	0.509	19.80	26.0	1.24	~0.00	155.7			
Count	3	3	3	3	3	3	2	i1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			

s/q (1) ! Suspect value(s)
 i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.
 miss(5) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **30A Gressholmen**, Latitude: 59°52.50N, Longitude: 10°43.00E.
 Catch,date : **871012**, Count: 182, Sample type: **Bulked**.

Analytical Lab. Code.	Detection Limit.	Shell-length -weight No of	Mean		NIVA		NIVA		NIVA		SIIF		SIIF		SIIF		SIIF		SIIF		
			g	%	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppb	w.WT	ppb	w.WT	ppb	w.WT	ppb	w.WT	ppb	w.WT
01/ 0	20:29	24	1.00	27	0.60	5.410	<.050	1.360	126.00	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss
02/ 0	30:39	35	3.20	50	0.580	4.960	<.050	1.310	111.00	72.0	5.30	5.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
03/ 0	30:39	36	3.70	22	1.90	1.90		0.150	3.00	54.0	3.50	3.30	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
04/ 0	40:49	46	6.60	53	1.90	4.820	<.050	1.610	120.00	47.0	2.70	2.70	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Mean	35.3	36.3	38.0		2.97	21.35	2.00	0.637	5.063	119.00	3.83	3.67	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Minimum	24	1.00	22		0.87	21.00	1.90	0.580	4.820	111.00	2.70	2.70	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Maximum	46	6.60	53		5.03	21.80	2.20	0.730	5.410	126.00	5.30	5.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
St.dev.	9.0	2.30	15.8		1.71	0.33	0.17	0.081	0.308	7.55	1.33	1.19	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Count	4	4	4		4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(8) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **30A Gressholmen**, Latitude: 59°52.50N, Longitude: 10°43.00E.
 Catch,date : **881107**, Count: 199, Sample type: **Bulked**.

Analytical Lab. Code.	Detection Limit.	Shell-length -weight No of	Mean		NIVA		NIVA		NIVA		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		
			g	%	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppb	w.WT	ppb	w.WT	ppb	w.WT	ppb	w.WT	ppb	w.WT	ppb	w.WT
01/ 0	20:28	24	0.60	100	0.740	6.900	0.320	1.500	110.00	39.0	0.10	0.60	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
02/ 0	30:39	36	1.80	50	0.610	5.480	0.130	1.220	84.40	39.0	0.10	0.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
03/ 0	40:48	42	3.30	49	0.530	4.260	0.110	1.330	93.10	45.0	0.10	0.70	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
Mean	34.0	1.90	66.3		2.12	17.47	1.72	0.627	5.547	95.83	0.10	0.60	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Minimum	24	0.60	49		0.55	15.90	1.64	0.530	4.260	84.40	0.10	0.50	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Maximum	42	3.30	100		3.63	19.10	1.84	0.740	6.900	110.00	0.10	0.70	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
St.dev.	9.2	1.35	29.2		1.54	1.60	0.11	0.106	1.321	13.02	0.00	0.10	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 : Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 16.93%
 Sample.No 02 : Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 17.19%
 Sample.No 03 : Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 18.75%

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **811229**, Count: 100, Sample type: **Bulked**.

.	Analytical Lab.	=>	SIIF		SIIF		SIIF	
			130	120	130	120	110	110
.	Analysis Code.	=>	0.010		0.010		0.010	
.	Detection Limit.	=>	C d		H g		P C B	
Repl. no.	Shell-length -wght mean shell mm	No of mean shell g	ppm w.wt	ppm w.wt	ppb	ppb	ppb	w.wt
01/ 0	35:50	42	50	50	0.200	0.030	90.0	90.0
02/ 0	35:50	42	50	50	0.300	0.040	110.0	110.0
Mean	42.0	50.0	0.250	0.035	100.0	100.0	100.0	100.0
Minimum	42	50	0.200	0.030	90.0	90.0	90.0	90.0
Maximum	42	50	0.300	0.040	110.0	110.0	110.0	110.0
St.dev.	0.0	0.0	0.071	0.007	14.1	14.1	14.1	14.1
Count	2	2	2	2	2	2	2	2

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **830302**, Count: 150, Sample type: **Bulked**.

.	Analytical Lab.	=>	SIIF		SIIF		SIIF	
			130	120	130	120	111	111
.	Analysis Code.	=>	0.010		0.010		5.00	
.	Detection Limit.	=>	C d		H g		P C B	
Repl. no.	Shell-length -wght mean shell mm	No of mean shell g	ppm w.wt	ppm w.wt	ppm	ppm	ppb	w.wt
01/ 0	40:50	46	50	50	0.180	0.014	47.0	47.0
02/ 0	30:40	35	50	50	0.180	0.015	32.0	32.0
03/ 0	20:30	26	50	50	0.210	0.016	miss	miss
Mean	35.7	50.0	0.190	0.015	39.5	39.5	39.5	39.5
Minimum	26	50	0.180	0.014	32.0	32.0	32.0	32.0
Maximum	46	50	0.210	0.016	47.0	47.0	47.0	47.0
St.dev.	10.0	0.0	0.017	0.001	10.6	10.6	10.6	10.6
Count	3	3	3	3	3	3	3	2

miss(1) ! Missing value.

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT. NO PCB DATA AVAILABLE FOR THIS PARTIAL BULK

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **831012**, Count: 160, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	130	130	120	130	130	130	131	130	130	131	130	131	130	131	130	131
	0.010	0.010	0.010	0.020	0.020	0.40	0.40	5.00	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	Fat %		Cu ppm		Hg ppm		Ni ppm		Pb ppm		Zn ppm		PCB ppm		DDTEP ppm	
	w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt	
01/ 0	20:30	26	60	18.50	1.19	0.260	1.680	0.014	0.280	0.380	23.40	23.40	20.0	2.00	2.00	2.80
02/ 0	30:40	34	50	20.20	1.19	0.280	1.420	0.015	0.230	0.360	17.40	17.40	22.0	2.10	2.10	2.70
03/ 0	40:50	44	50	19.40	1.20	0.260	1.250	0.016	0.180	0.340	17.10	17.10	21.0	3.00	3.00	2.00
Mean	34.7	53.3		19.37	1.19	0.267	1.450	0.015	0.230	0.360	19.30	19.30	21.0	2.37	2.37	2.50
Minimum	26	50		18.50	1.19	0.260	1.250	0.014	0.180	0.340	17.10	17.10	20.0	2.00	2.00	2.00
Maximum	44	60		20.20	1.20	0.280	1.680	0.016	0.280	0.380	23.40	23.40	22.0	3.00	3.00	2.80
St.dev.	9.0	5.8		0.85	0.01	0.012	0.217	0.001	0.050	0.020	3.55	3.55	1.0	0.55	0.55	0.44
Count	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 02 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 03 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **841011**, Count: 160, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	130	130	120	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
	0.010	0.010	0.010	0.010	0.040	0.020	0.40	0.40	5.00	5.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	Fat %		Cu ppm		Hg ppm		Mn ppm		Pb ppm		Zn ppm		PCB ppm		DDTEP ppm		DDTEP ppm	
	w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt	
01/ 0	20:30	26	60	0.72	14.50	0.80	0.180	1.010	0.020	0.770	50.020	50.020	19.20	19.20	20.0	1.50	1.50	<0.20
02/ 0	30:40	34	50	1.80	13.70	0.70	0.180	0.900	q<.005	0.550	50.030	50.030	19.90	19.90	24.0	1.20	1.20	<0.20
03/ 0	40:50	45	50	3.94	14.80	0.90	0.210	0.920	0.029	0.630	50.030	50.030	18.10	18.10	21.0	1.20	1.20	<0.20
Mean	35.0	3.20	53.3	2.15	14.33	0.80	0.190	0.943	0.025	0.650	50.027	50.027	19.07	19.07	21.7	1.30	1.30	<<.20
Minimum	26	1.20	50	0.72	13.70	0.70	0.180	0.900	0.020	0.550	50.020	50.020	18.10	18.10	20.0	1.20	1.20	<0.20
Maximum	45	5.60	60	3.94	14.80	0.90	0.210	1.010	0.029	0.770	50.030	50.030	19.90	19.90	24.0	1.50	1.50	<0.20
St.dev.	9.5	2.23	5.8	1.64	0.57	0.10	0.017	0.059	0.006	0.111	0.006	0.006	0.91	0.91	2.1	0.17	0.17	~0.00
Count	3	3	3	3	3	3	3	3	12	3	3	3	3	3	3	3	3	3

s/q(7) ! Suspect value(s)
 i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **851024**, Count: 159, Sample type: **Bulked**.
 Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10). WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Samp/ Repl. no.	Shell-length mm	-wght mm	No of shell	Analytical Lab.		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		
				Min:	Max:	Mean	g	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
01/ 0	20:29	26	1.20	59	130	120	132	130	132	111	111	111	111	111	111	111	111	111	111	111
02/ 0	30:39	34	2.90	50	0.010	0.010	0.040	0.020	0.040	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
03/ 0	40:49	44	5.80	50																
Mean	34.7	3.30	53.0																	
Minimum	26	1.20	50																	
Maximum	44	5.80	59																	
St.dev.	9.0	2.33	5.2																	
Count	3	3	3																	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **861020**, Count: 160, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length mm	-wght mm	No of shell	Analytical Lab.		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
				Min:	Max:	Mean	g	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
01/ 0	20:29	24	0.90	60	312	311	310	312	311	111	111	111	111	111	111	111	111	111	111	111	111
02/ 0	30:39	35	3.20	50	0.030	0.150	0.010	0.150	0.010	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
03/ 0	40:49	44	6.40	50																	
Mean	34.3	3.50	53.3																		
Minimum	24	0.90	50																		
Maximum	44	6.40	60																		
St.dev.	10.0	2.76	5.8																		
Count	3	3	3																		

s/q(6) ! Suspect value (s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area : **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **871105**, Count: 149, Sample type: **Bulked**.

•	Analytical Lab. =>	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIIF	SIIF	SIIF	Σ(*)	SIIF	Σ(*)	SIIF	Σ(*)	SIIF	Σ(*)			
•	Analysis Code. =>	312	311	310	312	311	310	312	111	111	111	111	111	111	111	111	111	111			
•	Detection Limit. =>																				
•	Shell-length -weight No of																				
•	Repl. Min:Max,Mean	mm	mm	mm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
•	no.	mm	mm	mm	g	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt		
01/	0	20:29	26	1.20	50	0.400	4.180	<.050	0.780	75.60	0.10	0.10	0.10	0.4	0.4	0.4	3.40	<5.00	<5.00	0.20	110.0
02/	0	30:39	34	2.50	49	0.360	4.440	<.050	0.790	65.60	0.30	1.30	0.50	4.1	4.1	4.1	3.40	<5.00	<5.00	0.20	130.0
03/	0	40:48	43	4.20	50	0.400	4.820	<.050	0.760	66.30	1.20	0.40	0.40	3.5	3.5	3.5	3.00	<5.00	<5.00	0.20	100.0
Mean		34.3	2.63	49.7		0.387	4.480	<.050	0.777	69.17	24.3	0.87	0.33	2.7	2.7	2.7	3.27	<5.00	<5.00	0.20	113.3
Minimum		26	1.20	49		0.360	4.180	<.050	0.760	65.60	23.0	0.10	0.10	0.4	0.4	0.4	3.00	<5.00	<5.00	0.20	100.0
Maximum		43	4.20	50		0.400	4.820	<.050	0.790	75.60	25.0	1.30	0.50	4.1	4.1	4.1	3.40	<5.00	<5.00	0.20	130.0
St.dev.		8.5	1.50	0.6		0.023	0.322	~.000	0.015	5.58	1.2	0.67	0.21	2.0	2.0	2.0	0.23	~0.00	~0.00	0.00	15.3
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area : **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **31A Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **881102**, Count: 207, Sample type: **Bulked**.

•	Analytical Lab. =>	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF		
•	Analysis Code. =>	312	311	310	312	311	310	312	111	111	111	111	111	111	111	111	111	111	111		
•	Detection Limit. =>																				
•	Shell-length -weight No of																				
•	Repl. Min:Max,Mean	mm	mm	mm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
•	no.	mm	mm	mm	g	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt		
01/	0	21:29	26	0.70	107	0.440	4.520	0.120	0.990	68.00	21.0	0.30	0.90	2.60	1.90	1.90	<6.7	<6.7	2.90	<0.20	300.0
02/	0	30:39	35	1.70	52	0.430	4.300	0.090	0.870	67.70	16.0	0.20	0.70	2.20	0.60	0.60	<4.6	<4.6	2.90	<0.20	380.0
03/	0	40:49	45	4.40	48	0.360	5.340	0.080	0.810	67.00	18.0	0.20	0.60	2.10	0.70	0.70	<4.5	<4.5	2.90	<0.20	340.0
Mean		35.3	2.27	69.0		0.410	4.720	0.097	0.890	67.57	18.3	0.23	0.73	2.30	1.07	1.07	<5.3	<5.3	2.90	<<.20	340.0
Minimum		26	0.70	48		0.360	4.300	0.080	0.810	67.00	16.0	0.20	0.60	2.10	0.60	0.60	<4.5	<4.5	2.90	<0.20	300.0
Maximum		45	4.40	107		0.440	5.340	0.120	0.990	68.00	21.0	0.30	0.90	2.60	1.90	1.90	<6.7	<6.7	2.90	<0.20	380.0
St.dev.		9.5	1.91	33.0		0.044	0.548	0.021	0.092	0.51	2.5	0.06	0.15	0.26	0.72	0.72	~1.2	~1.2	0.00	~0.00	40.0
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 20.42%
 Sample.No 02 :
 Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 21.04%
 Sample.No 03 :
 Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 25.26%

Tab.width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 901107.

Analytical Lab.	SIIF
Analysis Code.	605
Detection Limit.	40.0
Samp/Shell-length - weight No of	EPOCLI
Repl. Min:Max,Mean mean shell	ppb
no. mm:mm mm g	w.wt
01/ 0 21:29 26 1.30 100	460.0
02/ 0 30:39 35 2.50 50	180.0
03/ 0 40:49 45 4.70 50	220.0
Mean	35.3 2.83 66.7 286.7
Minimum	26 1.30 50 180.0
Maximum	45 4.70 100 460.0
St.dev.	9.5 1.72 28.9 151.4
Count	3 3 3 3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
 Locality : 31A Solbergstrand, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : 911009, Count: 200, Sample type: Bulked.

Analytical Lab.	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	311	312	310	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311
Detection Limit.	0.050	0.050	0.010	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Samp/Shell-length - weight No of	NiVA	NiVA	Hg	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb	Pb
Repl. Min:Max,Mean mean shell	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. mm:mm mm g	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:29 24 0.90 100	21.10	0.200	0.008	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
02/ 0 30:39 35 2.60 50	21.30	0.180	0.008	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
03/ 0 40:49 44 6.10 50	23.30	0.200	0.009	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Mean	17.0	0.200	0.008	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
Minimum	5.00	0.050	0.010	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Maximum	17.0	0.200	0.008	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
St.dev.	5.00	0.050	0.009	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 911009.

Analytical Lab.	SIIF
Analysis Code.	605
Detection Limit.	130.0
Samp/Shell-length - weight No of	EPOCLI
Repl. Min:Max,Mean mean shell	ppb
no. mm:mm mm g	w.wt
01/ 0 20:29 24 0.90 100	410.0
02/ 0 30:39 35 2.60 50	270.0
03/ 0 40:49 44 6.10 50	270.0
Mean	34.3 3.20 66.7 316.7
Minimum	24 0.90 50 270.0
Maximum	44 6.10 100 410.0
St.dev.	10.0 2.65 28.9 80.8
Count	3 3 3 3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **32A Rødtangen**, Latitude: 59°31.50N, Longitude: 10°25.60E.
 Catch,date : **821015**, Count: 163, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length mm	-wght g	No of mean shell	SIIF		SIIF		SIIF	
				Min:Max	Mean	Min:Max	Mean	Min:Max	Mean
01/ 0	40:50	45	52	0.010	0.010	0.010	0.010	0.010	0.010
02/ 0	30:40	35	55	0.010	0.010	0.010	0.010	0.010	0.010
03/ 0	20:30	26	56	0.010	0.010	0.010	0.010	0.010	0.010
Mean	35.3	54.3		0.010	0.010	0.010	0.010	0.010	0.010
Minimum	26	52		0.010	0.010	0.010	0.010	0.010	0.010
Maximum	45	56		0.010	0.010	0.010	0.010	0.010	0.010
St.dev.	9.5	2.1		0.010	0.010	0.010	0.010	0.010	0.010
Count	3	3		0.010	0.010	0.010	0.010	0.010	0.010

miss(1) ! Missing value.

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT. NO PCB DATA FOR THIS PARTIAL BULK

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **32A Rødtangen**, Latitude: 59°31.50N, Longitude: 10°25.60E.
 Catch,date : **851017**, Count: 147, Sample type: **Bulked**.
 Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10) . WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Samp/ Repl. no.	Shell-length mm	-wght g	No of mean shell	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
				Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean
01/ 0	20:29	26	45	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
02/ 0	30:39	35	52	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
03/ 0	40:49	44	50	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Mean	35.0	2.60	49.0	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Minimum	26	0.80	45	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Maximum	44	4.70	52	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
St.dev.	9.0	1.97	3.6	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Count	3	3	3	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

miss(1) ! Missing value.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
 Locality : 35A Mølen, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : 811027, Count: 50, Sample type: Homogenate.

Analytical Lab.		=>	
Analysis Code.		SIIF 130	SIIF 120
Detection Limit.		0.010	0.010
Shell-length -wght	No of	Fat %	
Repl. Min:Max,Mean	mean shell	Cd ppm	Hg ppm
no.	mm:mm	w.wt	w.wt
01/ 0	35:50	42	50
		0.300	0.040
			90.0

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
 Locality : 35A Mølen, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : 821015, Count: 159, Sample type: Bulked.

Analytical Lab.		=>	
Analysis Code.		SIIF 130	SIIF 120
Detection Limit.		0.010	0.010
Shell-length -wght	No of	Fat %	
Repl. Min:Max,Mean	mean shell	Cd ppm	Hg ppm
no.	mm:mm	w.wt	w.wt
01/ 0	40:50	46	51
02/ 0	30:40	35	51
03/ 0	20:30	26	57
Mean	35.7	53.0	
Minimum	26	51	
Maximum	46	57	
St.dev.	10.0	3.5	
Count	3	3	3

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **35A Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : **831007**, Count: 160, Sample type: **Bulked**.

. Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	Fat %	Cd ppm	Cu ppm	Hg ppm	Ni ppm	Pb ppm	Zn ppm	PCB ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb
01/ 0 20:30 25 60	1.19	0.260	1.170	0.020	0.200	0.320	17.00	19.0	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
02/ 0 30:40 34 50	1.19	0.220	1.840	0.016	0.180	0.280	14.00	22.0	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
03/ 0 40:50 45 50	1.20	0.260	1.180	0.018	0.180	0.390	18.30	19.0	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
Mean 34.7 53.3	1.19	0.247	1.397	0.018	0.187	0.330	16.43	20.0	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13
Minimum 25 50	1.19	0.220	1.170	0.016	0.180	0.280	14.00	19.0	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
Maximum 45 60	1.20	0.260	1.840	0.020	0.200	0.390	18.30	22.0	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
St.dev. 10.0 5.8	0.42	0.01	0.023	0.002	0.012	0.056	2.21	1.7	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Count 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 02 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 03 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **35A Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : **841017**, Count: 158, Sample type: **Bulked**.

. Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	Fat %	Cd ppm	Cu ppm	Hg ppm	Mn ppm	Pb ppm	Zn ppm	PCB ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb	DDTEP ppb
01/ 0 20:30 25 1.10 58	1.40	0.210	0.890	0.017	0.700	0.040	24.00	40.0	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80
02/ 0 30:40 35 3.60 50	1.19	0.200	0.760	0.010	0.580	0.020	16.10	27.0	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
03/ 0 40:50 44 6.90 50	1.60	0.200	0.760	0.016	0.500	0.050	17.20	19.0	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10
Mean 34.7 3.87 52.7	1.40	0.203	0.803	0.014	0.593	0.037	19.10	28.7	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
Minimum 25 1.10 50	1.19	0.200	0.760	0.010	0.500	0.020	16.10	19.0	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
Maximum 44 6.90 58	1.60	0.210	0.890	0.017	0.700	0.050	24.00	40.0	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10
St.dev. 9.5 2.91 4.6	0.81	0.006	0.075	0.004	0.101	0.015	4.28	10.6	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Count 3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(6) ! Suspect value(s)

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **35A Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch, date : **851017**, Count: 146, Sample type: **Bulked**.
 Comment : BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10) . WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE

Analytical Lab. => Analysis Code. => Detection Limit. => Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	Fat		Hg		Mn		Pb		Zn		PCB		DD		Σ4		HCB	
	g	%	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
Mean	21.10	1.80	4.140	0.073	7.880	1.520	142.00	<11.0	2.00	2.00	2.00	2.00	0.60	0.60	0.60	0.60	0.60	0.60
01/ 0	20:29	25	0.90	62														
02/ 0	30:39	34	2.30	38														
03/ 0	40:49	46	5.80	46														
Mean	35.0	3.00	48.7															
Minimum	25	0.90	38															
Maximum	46	5.80	62															
St.dev.	10.5	2.52	12.2															
Count	3	3	3															

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **35A Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch, date : **861020**, Count: 117, Sample type: **Bulked**.

Analytical Lab. => Analysis Code. => Detection Limit. => Samp/ Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	Fat		Cu		Hg		Pb		Zn		PCB		DD		Σ4		HCHG HC_Σ2		HCB EPOCL	
	g	%	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
Mean	17.20	1.30	1.380	8.060	0.070	4.160	91.70	22.0	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
01/ 0	20:29	25	0.80	60																
02/ 0	30:39	34	1.60	50																
03/ 0	40:47	43	4.00	7																
Mean	34.0	2.13	39.0																	
Minimum	25	0.80	7																	
Maximum	43	4.00	60																	
St.dev.	9.0	1.67	28.2																	
Count	3	3	3																	

s/q (2) ! Suspect value(s)

i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.
 miss(5) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **36A Fårder**, Latitude: 59°01.60N, Longitude: 10°31.70E.
 Catch,date : **830301**, Count: 87, Sample type: **Bulked**.

	Analytical Lab.	=>	SIIF 130	SIIF 120	SIIF 111
Analysis Code.	=>		0.010	0.010	0.010
Detection Limit.	=>				
Samp/ Shell-length -wght	No of				
Repl. Min:Max,Mean	mean shell				
no. mm:mm	g				
01/ 0	30:40	37	0.150	0.014	
02/ 0	20:30	50	0.120	0.024	
Mean	30.0	43.5	0.135	0.019	
Minimum	25	37	0.120	0.014	
Maximum	35	50	0.150	0.024	
St.dev.	7.1	9.2	0.021	0.007	
Count	2	2	2	2	2

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT.
 Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **36A Fårder**, Latitude: 59°01.60N, Longitude: 10°31.70E.
 Catch,date : **831006**, Count: 156, Sample type: **Bulked**.
 Comment : **GROWING ON BUOY**

	Analytical Lab.	=>	SIIF 130	SIIF 120	SIIF 111	SIIF 131	SIIF 111	SIIF 111	Σ (*)	SIIF	SIIF
Analysis Code.	=>		0.010	0.010	0.010	0.020	0.020	0.50	!	!	!
Detection Limit.	=>								!	!	!
Samp/ Shell-length -wght	No of								!	!	!
Repl. Min:Max,Mean	mean shell								!	!	!
no. mm:mm	g								!	!	!
01/ 0	20:30	60	0.170	0.013	0.170	0.170	0.170	13.10	1.50	1.50	3.30
02/ 0	30:40	50	0.180	0.011	0.210	0.140	0.140	15.10	1.80	1.80	3.20
03/ 0	40:50	46	0.160	0.011	0.180	0.160	0.160	13.40	1.80	1.80	2.60
Mean	34.7	52.0	1.343	0.012	0.187	0.157	0.157	13.87	1.70	1.70	3.03
Minimum	25	46	1.240	0.011	0.170	0.140	0.140	13.10	1.50	1.50	2.60
Maximum	44	60	1.490	0.013	0.210	0.170	0.170	15.10	1.80	1.80	3.30
St.dev.	9.5	7.2	0.131	0.001	0.021	0.015	0.015	1.08	0.17	0.17	0.38
Count	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 02 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 03 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT

Tab.width cont'd MYTI EDU, SB, J26, 36A Færder, 891018.

Analytical Lab.	⇒	SIIF	SIIF
Analysis Code.	⇒	605	605
Detection Limit.	⇒	170.0	40.0
Samp/Shell-length - weight	⇒	EFOCI	EFOCI
Repl. Min:Max, Mean		ppb	ppb
no. mm:mm	mm	w.wt	w.wt
01/ 0 20:29	25 0.50	1700.0	
02/ 0 31:39	35 1.30	200.0	
03/ 0 40:49	43 2.10	140.0	
03/99		2000.0	
Mean	34.3 1.30 66.7	2000.0	680.0
Minimum	25 0.50 50	2000.0	140.0
Maximum	43 2.10 100	2000.0	1700.0
St.dev.	9.0 0.80 28.9		883.9
Count	3 3 3	1	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
Sample area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
Locality : 36A Færder, Latitude: 59°01.60N, Longitude: 10°31.70E.
Catch, date : 901106, Count: 200, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	Samp/Shell-length - weight Repl. Min:Max, Mean no. mm:mm	Fat % Dry % Weight g	NIVA				PCB				CB				HCB														
			312	311	310	313	312	311	310	313	312	311	310	313	312	311	310	313											
Mean	35.0 2.30 66.7	2.25 2.18 2.28	0.030	0.150	0.010	0.240	3.00	5.00	0.20	0.40	0.20	1.10	0.96	0.77	0.83	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
Minimum	25 0.90 100	2.18 2.28 2.28	0.030	0.150	<0.010	0.220	3.00	5.00	0.20	0.40	0.20	0.96	0.89	0.75	0.91	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Maximum	45 3.80 50	2.28 2.28 2.28	0.030	0.150	<0.010	0.210	3.00	5.00	0.20	0.40	0.20	1.10	0.82	0.41	0.81	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
St.dev.	10.0 1.45 28.9	0.05 0.40 0.05	0.000	0.115	0.000	0.015	2.68	0.7	0.69	0.05	0.05	0.24	0.07	0.20	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Count	3 3 3	3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd MYTI EDU, SB, J26, 36A Færder, 901106.

Analytical Lab.	⇒	SIIF	SIIF
Analysis Code.	⇒	605	605
Detection Limit.	⇒	40.0	40.0
Samp/Shell-length - weight	⇒	EFOCI	EFOCI
Repl. Min:Max, Mean		ppb	ppb
no. mm:mm	mm	w.wt	w.wt
01/ 0 20:29	25 0.90	480.0	
02/ 0 30:39	35 2.20	390.0	
03/ 0 40:49	45 3.80	330.0	
Mean	35.0 2.30 66.7	400.0	
Minimum	25 0.90 50	330.0	
Maximum	45 3.80 100	480.0	
St.dev.	10.0 1.45 28.9		75.5
Count	3 3 3	3	3

Tab.width cont'd MYTI EDU, SB, J26, 36A Færder, 921106.

Table with columns for Analytical Lab., Analysis Code, Detection Limit, and various chemical analysis results (NIVA, SIIF, Σ(*) etc.) for samples 01/0 to 05/0 and Mean/Minimum/Maximum/Std.dev./Count.

Tab.width cont'd MYTI EDU, SB, J26, 36A Færder, 921106.

Table with columns for Analytical Lab., Analysis Code, Detection Limit, and various chemical analysis results (NIVA, SIIF, Σ(*) etc.) for samples 01/0 to 05/0 and Mean/Minimum/Maximum/Std.dev./Count.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
Sample.area : J26 Oslofjorden, Tissue : Whole SOFT BODY.
Locality : 73A Lyngsholmen, Latitude: 59°02.60N, Longitude: 10°18.10E.
Catch,date : 901105, Count: 200, Sample type: Bulked.

Table with columns for Analytical Lab., Analysis Code, Detection Limit, and various chemical analysis results (NIVA, SIIF, Σ(*) etc.) for samples 01/0 to 05/0 and Mean/Minimum/Maximum/Std.dev./Count.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjørkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **810317**, Count: 50, Sample type: **Homogenate**.
 Comment : Station name : **Bjørkøya (Risøyodd.)**

Analytical Lab.	=>	SIIF	SIIF	SIIF
Analysis Code.	=>	130	120	110
Detection Limit.	=>	0.010	0.010	10.0
Samp/ Shell-length -wgt No of		Fat	Hg	PCB
Repl. Min:Max,Mean mean shell		%	ppm	ppb
no. mm:mm mm g		w.wt	w.wt	w.wt
01/ 0	50	1.200	0.090	40.0

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjørkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **821110**, Count: 150, Sample type: **Bulked**.
 Comment : Station name : **Bjørkøya (Risøyodd.)**

Analytical Lab.	=>	SIIF	SIIF	SIIF
Analysis Code.	=>	130	120	111
Detection Limit.	=>	0.010	0.010	5.00
Samp/ Shell-length -wgt No of		Fat	Hg	PCB
Repl. Min:Max,Mean mean shell		%	ppm	ppb
no. mm:mm mm g		w.wt	w.wt	w.wt
01/ 0 40:50 46	50	2.00	0.440	0.098
02/ 0 30:40 35	50	1.70	0.260	0.059
03/ 0 20:30 26	50	1.50	0.270	0.058
Mean	35.7	1.73	0.323	0.072
Minimum	26	1.50	0.260	0.058
Maximum	46	2.00	0.440	0.098
St.dev.	10.0	0.25	0.101	0.023
Count	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 02 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.
 Sample.No 03 :
 Whole Soft Body : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG WET WT.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjørkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **831109**, Count: 152, Sample type: **Bulked**.
 Comment : Station name : **Bjørkøya (Risøyodd.)**

Analytical Lab. Analysis Code. Detection Limit.	=> => =>	Dry %	Fat %	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		
				SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Shell-length -wght No of				130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Repl. Min:Max,Mean				0.010	0.010	0.010	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
mm:mm				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	20:30	25	54	1.120	0.044	0.370	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270
02/ 0	30:40	36	49	1.000	0.050	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
03/ 0	40:50	46	49	0.990	0.049	0.240	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310
Mean	35.7	50.7		1.037	0.048	0.283	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273
Minimum	25	49		0.990	0.044	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Maximum	46	54		1.120	0.050	0.370	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310
St.dev.	10.5	2.9		0.072	0.003	0.075	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
Count	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 02 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT
 Sample.No 03 :
 Whole Soft Body : DDTEP = p,p'-DDE + p,p'-DDT

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjørkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **841108**, Count: 159, Sample type: **Bulked**.
 Comment : Station name : **Bjørkøya (Risøyodd.)**

Analytical Lab. Analysis Code. Detection Limit.	=> => =>	Mean Weight g	Dry %	Fat %	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
					SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Shell-length -wght No of				0.010	0.010	0.010	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
Repl. Min:Max,Mean				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
mm:mm				w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	20:30	25	59	0.320	0.850	0.035	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750
02/ 0	30:40	35	50	0.340	0.860	0.045	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950
03/ 0	40:50	45	50	0.300	0.660	0.039	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Mean	35.0	2.57	53.0	0.320	0.790	0.040	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967	2.967
Minimum	25	1.00	50	0.300	0.660	0.035	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Maximum	45	4.50	59	0.340	0.860	0.045	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950	3.950
St.dev.	10.0	1.78	5.2	0.020	0.113	0.005	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895	0.895
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(6) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjerkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **851024**, Count: 106, Sample type: **Bulked**.
 Comment : Station name : **Bjerkøya (Risøyodd.)** ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10) . WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE

Analytical Lab. => Analysis Code. => Detection Limit. =>	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF								
	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt							
Mean Weight	0.86	23.40	2.40	1.370	0.170	9.390	0.970	78.50	35.0	2.00	2.00	14.00	0.86	21.50	1.90	1.470	0.280	9.960	1.050	75.60	32.0	3.00	3.00	30.00	
Repl. Min:Max,Mean	30.0	1.70	53.0	1.57	22.45	2.15	1.420	0.225	9.675	1.010	77.05	33.5	2.50	22.00	2.28	23.40	2.40	1.470	0.280	9.960	1.050	78.50	35.0	3.00	30.00
St.dev.	7.1	0.99	4.2	1.00	1.34	0.35	0.071	0.078	0.403	0.057	2.05	2.1	0.71	11.31	0.71	1.34	0.35	0.071	0.057	2.05	2.1	0.71	11.31	0.71	11.31
Count	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Sample.No 01 : Sample for 4-5cm has been misplaced. By chance a parallel sample was collected (for PAH analyses) but does not strictly meet JMG requirements (n=28, 40-52mm), however, JMG contaminant analyses carried out, results on request (rg 11.5.93).

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **71A Bjerkøya (Risøyodd.)**, Latitude: 59°01.40N, Longitude: 09°45.30E.
 Catch,date : **861021**, Count: 152, Sample type: **Bulked**.
 Comment : Station name : **Bjerkøya (Risøyodd.)**

Analytical Lab. => Analysis Code. => Detection Limit. =>	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA					
	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt	g	d.wt				
Mean Weight	0.89	18.90	1.50	2.170	17.400	0.290	2.260	119.00	16.0	1.30	1.30	<3.00	<3.00	1.20	210.0	0.89	18.80	1.20	1.850	14.000	0.210	2.060	111.00	11.0	1.00	1.00	<3.00	<3.00	3.50	370.0
Repl. Min:Max,Mean	34.0	2.77	50.7	2.56	18.87	1.40	2.010	15.700	0.250	2.160	115.00	13.0	1.07	1.07	<3.00	4.48	18.90	1.50	2.170	17.400	0.290	2.260	119.00	16.0	1.30	1.30	<3.00	<3.00	3.50	370.0
St.dev.	9.5	1.76	8.0	1.81	0.06	0.17	0.226	2.404	0.057	0.141	5.66	2.6	0.21	0.21	~0.00	0.89	18.90	1.50	2.170	17.400	0.290	2.260	119.00	16.0	1.30	1.30	<3.00	<3.00	3.50	370.0
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q (5) ! Suspect value(s)
 miss (5) ! Missing value.

Tab.width cont'd MYTI EDU, SB, J26, 71A Bjørkøya (Risøyodd.), 901105.

Samp/ Repl. no.	Shell-length mm	-weight g	No of shell	SIIF	
				605	40.0
01/ 0	20:29	26	1.00	100	190.0
02/ 0	30:39	35	2.20	50	150.0
03/ 0	40:49	44	4.30	50	110.0
Mean	35.0	2.50	66.7		150.0
Minimum	26	1.00	50		110.0
Maximum	44	4.30	100		190.0
St.dev.	9.0	1.67	28.9		40.0
Count	3	3	3		3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
 Locality : 71A Bjørkøya (Risøyodd.), Latitude: 59°01.40N, Longitude: 09°45.40E.
 Catch, date : 9111008, Count: 99, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm	-weight mm	No of shell	g	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA			
					311	312	310	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312
01/ 0	20:29	25	1.10	99	0.82	19.30	2.40	0.210	1.980	0.028	0.140	28.10	12.0	<0.30	<0.30	0.50	1.00	0.60	<0.50	<0.20	<2.6	<2.6	1.30	1.30	1.00	1.00
02/ 0	30:39	34	2.60	50	2.16	18.80	2.20	0.190	1.770	0.025	0.140	23.70	13.0	<0.30	<0.30	0.50	0.80	0.60	<0.20	<2.8	<2.8	0.80	0.80	0.90	0.90	
03/ 0	40:49	45	5.20	50	4.08	16.50	1.70	0.280	1.840	0.027	0.130	23.60	11.0	<0.30	<0.30	0.40	0.90	0.40	<0.20	<2.2	<2.2	0.80	0.80	0.80	0.80	
Mean	34.7	2.97	66.3		2.35	18.20	2.10	0.227	1.863	0.027	0.137	25.13	12.0	<0.30	<0.30	0.47	0.90	0.53	<0.20	<2.5	<2.5	0.97	0.97	0.90	0.90	
Minimum	25	1.10	50		0.82	16.50	1.70	0.190	1.770	0.025	0.130	23.60	11.0	<0.30	<0.30	0.40	0.80	0.40	<0.20	<2.2	<2.2	0.80	0.80	0.80	0.80	
Maximum	45	5.20	99		4.08	19.30	2.40	0.280	1.980	0.028	0.140	28.10	13.0	<0.30	<0.30	0.50	1.00	0.60	<0.20	<2.8	<2.8	1.30	1.30	1.00	1.00	
St.dev.	10.0	2.07	28.3		1.64	1.49	0.36	0.047	0.107	0.002	0.006	2.57	1.0	~0.00	~0.00	0.06	0.10	~0.06	~0.00	~0.3	~0.3	0.29	0.29	0.10	0.10	
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Tab.width cont'd MYTI EDU, SB, J26, 71A Bjørkøya (Risøyodd.), 9111008.

Samp/ Repl. no.	Shell-length mm	-weight g	No of shell	SIIF	
				605	130.0
01/ 0	20:29	25	1.10	99	180.0
02/ 0	30:39	34	2.60	50	310.0
03/ 0	40:49	45	5.20	50	310.0
Mean	34.7	2.97	66.3		266.7
Minimum	25	1.10	50		180.0
Maximum	45	5.20	99		310.0
St.dev.	10.0	2.07	28.3		75.1
Count	3	3	3		3

Tab.width cont'd MYTI EDU, SB, J99, 76A Risøy, 921021.

	Analytical Lab. =>		NIVA										Σ(*)		Σ(*)							
	Analysis Code. =>		309										!		!							
	Detection Limit. =>		0.20										!		!							
Samp/ Repl.	Shell-length mm	-weight g	No of shell	Mean	St.dev.	Count	BEP	BAP	PER	ICDP	DBA3A	BGHIP	COR	DBP	DI	Σ6	P	Σ20	PK	Σ7	PAHEΣ	Σ(*)
							ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
01/ 0	20:29	25	0.90	50			miss	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	16.7	<21.5	<0.2	<38.2	
02/ 0	30:39	34	2.30	50			5.1	2.5	0.3	5.0	0.3	4.3	<0.2	<0.2	<0.2	<0.2	<0.2	10.5	<27.7	<16.9	<38.2	
03/ 0	40:49	45	5.60	50			3.5	1.5	0.3	2.9	0.4	2.2	<0.2	<0.2	<0.2	<0.2	<0.2	12.9	<44.1	<14.0	<57.0	
Mean	34.7	2.93	50.0				4.3	2.0	<0.3	<2.7	<0.3	<2.2	<0.2	<0.2	<0.2	<0.2	<0.2	13.4	<31.1	<10.4	<44.5	
Minimum		0.90	50				3.5	1.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	10.5	<21.5	<0.2	<38.2	
Maximum		5.60	50				5.1	2.5	0.3	5.0	0.4	4.3	<0.2	<0.2	<0.2	<0.2	<0.2	16.7	<44.1	<16.9	<57.0	
St.dev.		10.0	2.41	0.0			1.1	0.7	~0.1	~2.4	~0.1	~2.1	~0.0	~0.0	~0.0	~0.0	~0.0	3.1	~11.7	~8.9	~10.9	
Count		3	3	3			2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 77A Flostafjord, Latitude: 58°31.50N, Longitude: 08°56.90E.
 Catch,date : 901104, Count: 188, Sample type: Bulked.

	Analytical Lab. =>		NIVA										NIVA		
	Analysis Code. =>		312										311		
	Detection Limit. =>		0.030										0.150		
Samp/ Repl.	Shell-length mm	-weight g	No of shell	Mean	St.dev.	Count	Weight g	Dry	Fat	Cd	Cu	Hg	Pb	Zn	ppm
								%	%	ppm	ppm	ppm	ppm	ppm	ppm
01/ 0	20:29	26	0.70	100			0.70	19.90	:	0.080	1.400	0.010	0.230	27.60	
02/ 0	30:39	35	1.30	50			1.63	18.70	:	0.160	0.900	0.030	0.180	23.10	
03/ 0	40:49	43	2.90	38			3.56	19.50	:	0.080	1.300	<0.10	0.230	24.90	
Mean	34.7	1.63	62.7				1.96	19.37	:	0.107	1.200	<<.017	0.213	25.20	
Minimum		0.70	38				0.70	18.70	:	0.080	0.900	<.010	0.180	23.10	
Maximum		2.90	100				3.56	19.90	:	0.160	1.400	0.030	0.230	27.60	
St.dev.		8.5	1.14	32.9			1.46	0.61	:	0.046	0.265	0.012	0.029	2.26	
Count		3	3	3			3	3	:	3	3	3	3	3	

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 77A Flostafjord, Latitude: 58°31.50N, Longitude: 08°56.90E.
 Catch,date : 911007, Count: 150, Sample type: Bulked.

	Analytical Lab. =>		NIVA										NIVA	
	Analysis Code. =>		312										311	
	Detection Limit. =>		0.010										0.050	
Samp/ Repl.	Shell-length mm	-weight g	No of shell	Mean	St.dev.	Count	Weight g	Dry	Fat	Cd	Cu	Hg	Pb	Zn
								%	%	ppm	ppm	ppm	ppm	ppm
01/ 0	20:29	25	0.80	50			0.70	20.70	:	0.170	1.900	0.010	0.190	30.40
02/ 0	30:39	34	1.70	50			1.40	20.20	:	0.180	2.240	0.010	0.190	26.00
03/ 0	40:49	44	3.10	50			2.41	19.00	:	0.190	2.080	0.009	0.170	23.90
Mean	34.3	1.87	50.0				1.50	19.97	:	0.170	2.073	0.010	0.183	26.77
Minimum		0.80	50				0.70	19.00	:	0.170	1.900	0.009	0.170	23.90
Maximum		3.10	50				2.41	20.70	:	0.190	2.240	0.010	0.190	30.40
St.dev.		9.5	1.16	0.0			0.86	0.87	:	0.010	0.170	0.001	0.012	3.32
Count		3	3	3			3	3	:	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **79A Gjerdsvoldøyen east**, Latitude: 58°24.80N, Longitude: 08°45.30E.
 Catch,date : **901104**, Count: 200, Sample type: **Bulked**.
 Comment : Station name : Gjerdsvoldøyen east

Samp/ Repl. no.	Shell-length mm	-length mm	-wt g	No of mean shell	NIVA			NIVA			NIVA							
					312	311	310	312	311	310	312	311	310					
01/ 0	20:29	25	1.10	100														
02/ 0	30:39	35	2.80	50														
03/ 0	40:49	44	5.40	50														
Mean	34.7	3.10	66.7															
Minimum	25	1.10	50															
Maximum	44	5.40	100															
St.dev.	9.5	2.17	28.9															
Count	3	3	3															

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **79A Gjerdsvoldøyen east**, Latitude: 58°24.80N, Longitude: 08°45.30E.
 Catch,date : **911007**, Count: 142, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length mm	-length mm	-wt g	No of mean shell	NIVA			NIVA			NIVA							
					312	311	310	312	311	310	312	311	310					
01/ 0	21:29	25	1.10	42														
02/ 0	30:39	34	2.60	50														
03/ 0	40:49	45	5.90	50														
Mean	34.7	3.20	47.3															
Minimum	25	1.10	42															
Maximum	45	5.90	50															
St.dev.	10.0	2.46	4.6															
Count	3	3	3															

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **13A Langøysund**, Latitude: 57°59.80N, Longitude: 07°34.60E.
 Catch,date : **901104**, Count: 24, Sample type: **Homogenate**.

Samp/ Repl. no.	Shell-length mm	-length mm	-wt g	No of mean shell	NIVA			NIVA			NIVA							
					312	311	310	312	311	310	312	311	310					
01/ 0	65:86	74	27.70	24														
Mean	14.39	14.00																
Minimum																		
Maximum																		
St.dev.																		
Count																		

Sample.No 01 :
 Whole Soft Body : Uncertain dry wt.%. Some liquid loss during storage.

Tab.width cont'd MYTI EDU, SB, J99, 22A Espevør, west, 901029.

Analytical Lab.	SIIF
Analysis Code.	605
Detection Limit.	40.0
SIIF	
Shell-length - weight No of	EPOCL
Repl. Min:Max,Mean mean shell	ppb
no. mm:mm mm g	w.wt
01/ 0 22:29 26 0.90 100	260.0
02/ 0 30:39 36 2.50 50	220.0
03/ 0 40:48 43 4.90 50	240.0
Mean	240.0
Minimum	220.0
Maximum	260.0
St.dev.	20.0
Count	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 22A Espevør, west, Latitude: 59°35.20N, Longitude: 05°08.50E.
 Catch,date : 910930, Count: 199, Sample type: Bulked.
 Comment : Station name : Espevør, west

Analytical Lab.	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605
Detection Limit.	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Shell-length - weight No of	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL	EPOCL
Repl. Min:Max,Mean mean shell	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no. mm:mm mm g	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:29 25 1.00 99																
02/ 0 30:39 35 2.40 50																
03/ 0 40:49 44 4.90 50																
Mean	34.7	2.77	66.3	34.7	2.77	66.3	34.7	2.77	66.3	34.7	2.77	66.3	34.7	2.77	66.3	34.7
Minimum	25	1.00	50	25	1.00	50	25	1.00	50	25	1.00	50	25	1.00	50	25
Maximum	44	4.90	99	44	4.90	99	44	4.90	99	44	4.90	99	44	4.90	99	44
St.dev.	9.5	1.98	28.3	9.5	1.98	28.3	9.5	1.98	28.3	9.5	1.98	28.3	9.5	1.98	28.3	9.5
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd MYTI EDU, SB, J99, 22A Espevør, west, 910930.

Analytical Lab.	SIIF
Analysis Code.	605
Detection Limit.	130.0
SIIF	
Shell-length - weight No of	EPOCL
Repl. Min:Max,Mean mean shell	ppb
no. mm:mm mm g	w.wt
01/ 0 20:29 25 1.00 99	270.0
02/ 0 30:39 35 2.40 50	250.0
03/ 0 40:49 44 4.90 50	350.0
Mean	290.0
Minimum	250.0
Maximum	350.0
St.dev.	52.9
Count	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørffjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **51A Byrkjenes**, Latitude: 60°05.10N, Longitude: 06°33.10E.
 Catch,date : **870902**, Count: 146, Sample type: **Bulked**.

. Analytical Lab. Analysis Code. Detection Limit. Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA				NIVA				NIVA				
	312	311	310	311	312	311	310	312	311	312	311	312	311
01/ 0 20:29 25 1.20 49	0.030	0.150	0.010	0.150	0.030	0.150	0.010	0.150	0.030	0.150	0.010	0.150	0.030
02/ 0 30:39 34 2.40 49													
03/ 0 40:49 44 3.40 48													
Mean	46.900	10.200	0.240	10.200	46.900	10.200	0.240	10.200	46.900	10.200	0.240	10.200	46.900
Minimum	36.000	5.060	0.220	5.060	36.000	5.060	0.220	5.060	36.000	5.060	0.220	5.060	36.000
Maximum	46.900	10.200	0.290	10.200	46.900	10.200	0.290	10.200	46.900	10.200	0.290	10.200	46.900
St.dev.	5.505	2.586	0.036	2.586	5.505	2.586	0.036	2.586	5.505	2.586	0.036	2.586	5.505
Count	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørffjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **51A Byrkjenes**, Latitude: 60°05.10N, Longitude: 06°33.10E.
 Catch,date : **881006**, Count: 146, Sample type: **Bulked**.

. Analytical Lab. Analysis Code. Detection Limit. Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA				NIVA				NIVA				
	312	311	310	311	312	311	310	312	311	312	311	312	311
01/ 0 20:29 26 0.40 47	0.030	0.150	0.010	0.150	0.030	0.150	0.010	0.150	0.030	0.150	0.010	0.150	0.030
02/ 0 30:39 36 1.10 43													
03/ 0 40:49 45 2.10 56													
Mean	50.900	6.750	0.270	6.750	50.900	6.750	0.270	6.750	50.900	6.750	0.270	6.750	50.900
Minimum	62.400	6.140	0.220	6.140	62.400	6.140	0.220	6.140	62.400	6.140	0.220	6.140	62.400
Maximum	58.200	5.550	0.250	5.550	58.200	5.550	0.250	5.550	58.200	5.550	0.250	5.550	58.200
St.dev.	5.819	0.600	0.025	0.600	5.819	0.600	0.025	0.600	5.819	0.600	0.025	0.600	5.819
Count	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 :
 Whole Soft Body : undepurated
 Sample.No 02 :
 Whole Soft Body : undepurated
 Sample.No 03 :
 Whole Soft Body : undepurated

Tab.width cont'd MYTI EDU, SB, J63, 52A Eitrheimsneset, 901031.

Analytical Lab.	STIF
⇒ Analysis Code.	⇒ 605
⇒ Detection Limit.	⇒ 40.0
⇒ Shell-length -weight No of	⇒ EPOCI
Repl. Min:Max,Mean mean shell	ppb
no. mm:mm mm g	w.wt
01/ 0 23:29 27 0.50 50	.
02/ 0 30:39 35 1.00 50	.
03/ 0 40:47 42 1.60 50	340.0
Mean	34.7 1.03 50.0 340.0
Minimum	27 0.50 50 340.0
Maximum	42 1.60 50 340.0
St.dev.	7.5 0.55 0.0
Count	3 3 3 1

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J63 Sørfjorden, Tissue : Whole SOFT BODY.
 Locality : 52A Eitrheimsneset, Latitude: 60°05.80N, Longitude: 06°32.20E.
 Catch,date : 911002, Count: 156, Sample type: Bulked.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
⇒ Analysis Code.	⇒ 312	⇒ 311	⇒ 310	⇒ 312	⇒ 311	⇒ 312	⇒ 311
⇒ Detection Limit.	⇒ 0.010	⇒ 0.050	⇒ 0.010	⇒ 0.050	⇒ 0.050	⇒ 0.050	⇒ 1.00
⇒ Shell-length -weight No of	⇒ Fat	⇒ Cu	⇒ Hg	⇒ Pb	⇒ Zn	⇒ Zn	⇒ Zn
Repl. Min:Max,Mean mean shell	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. mm:mm mm g	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 21:29 25 0.40 50	11.700	25.500	0.749	48.900	62.70		
02/ 0 30:39 34 0.90 50	9.610	8.650	0.361	37.500	54.30		
03/ 0 40:47 43 1.50 36	7.440	4.650	0.293	34.700	51.60		
Mean	11.47	12.933	0.468	40.367	56.20		
Minimum	7.440	4.650	0.293	34.700	51.60		
Maximum	11.700	25.500	0.749	48.900	62.70		
St.dev.	9.0	5.55	8.1	7.522	5.79		
Count	3	3	3	3	3		

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J63 Sørfjorden, Tissue : Whole SOFT BODY.
 Locality : 52A Eitrheimsneset, Latitude: 60°05.80N, Longitude: 06°32.20E.
 Catch,date : 920906, Count: 150, Sample type: Bulked.
 Comment : Station name : Eitrheimsneset

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
⇒ Analysis Code.	⇒ 312	⇒ 311	⇒ 310	⇒ 312	⇒ 311	⇒ 312	⇒ 311	⇒ 312	⇒ 311	⇒ 312	⇒ 311	⇒ 312	⇒ 311
⇒ Detection Limit.	⇒ 0.010	⇒ 0.010	⇒ 0.010	⇒ 0.050	⇒ 1.00	⇒ 0.050	⇒ 1.00	⇒ 0.050	⇒ 1.00	⇒ 0.050	⇒ 1.00	⇒ 0.050	⇒ 1.00
⇒ Shell-length -weight No of	⇒ Fat	⇒ Cu	⇒ Hg	⇒ Pb	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn	⇒ Zn
Repl. Min:Max,Mean mean shell	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. mm:mm mm g	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 23:29 26 0.60 50	1.10	5.570	1.770	24.700	42.60								
02/ 0 30:39 35 0.90 50	1.20	5.300	1.150	23.500	50.20								
03/ 0 40:49 44 1.70 50	1.40	5.250	1.170	19.100	53.00								
Mean	11.93	5.373	1.363	22.367	48.60								
Minimum	1.10	5.250	1.150	19.100	42.60								
Maximum	1.40	5.570	1.770	24.700	53.00								
St.dev.	1.19	0.15	0.172	2.914	5.38								
Count	3	3	3	3	3								

miss(2) ! Missing value.

Tab.width cont'd **MYTI EDU, SB, J63, 52A Eitrheimsneset, 920906.**

Analytical Lab.	=>	NIVA	NIVA	Σ (*)	NIVA	NIVA	NIVA
Analysis Code.	=>	341	341	!	341	341	341
Detection Limit.	=>	0.10	0.10	!	0.10	0.10	0.10
Samp/ Shell-length -wght No of		HCHA	HCHG	HC_Σ2	HC B	QCB	OCS
Repl. Min:Max,Mean		ppb	ppb	ppb	ppb	ppb	ppb
no. mm:mm	g	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	23:29	26	0.60	50	<0.10	<0.10	<0.10
02/ 0	30:39	35	0.90	50	<0.10	<0.10	miss
03/ 0	40:49	44	1.70	50	<0.10	0.10	miss
Mean	35.0	1.07	50.0	<<0.10	0.13	<<0.23	<<0.10
Minimum	26	0.60	50	<0.10	0.10	<0.20	<0.10
Maximum	44	1.70	50	<0.10	0.20	<0.30	<0.10
St.dev.	9.0	0.57	0.0	~0.00	0.06	~0.06	~0.00
Count	3	3	3	3	3	3	1

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **56A Kvalnes**, Latitude: 60°13.40N, Longitude: 06°36.10E.
 Catch,date : **870902**, Count: 160, Sample type: **Bulked**.

Analytical Lab.	=>	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
Analysis Code.	=>	312	311	312	311	312	311
Detection Limit.	=>	0.030	0.150	0.030	0.150	0.150	3.00
Samp/ Shell-length -wght No of		Cd	Cu	Fat	Hg	Pb	Zn
Repl. Min:Max,Mean		ppm	ppm	%	ppm	ppm	ppm
no. mm:mm	g	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt
01/ 0	20:29	25	0.60	55	0.55	15.92	41.000
02/ 0	30:39	35	1.70	52	1.41	15.19	55.900
03/ 0	40:49	43	2.90	53	2.06	15.93	74.500
Mean	34.3	1.73	53.3	1.34	15.68	57.133	8.145
Minimum	25	0.60	52	0.55	15.19	41.000	7.030
Maximum	43	2.90	55	2.06	15.93	74.500	9.260
St.dev.	9.0	1.15	1.5	0.76	0.42	16.784	1.577
Count	3	3	3	3	3	3	i2

s/q(1) ! Suspect value(s)
 i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.
 k (1) Value= 1000 * given units.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sør fjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **57A Krossanes**, Latitude: 60°23.20N, Longitude: 06°41.20E.
 Catch,date : **870903**, Count: 158, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length mm	-wght mm	No of mean shell g	Dry %		Fat %		Cd ppm		Cu ppm		Hg ppm		Pb ppm		Zn ppm		
				Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.
01/ 0	20:29	25	0.50	52	15.23		21.700	8.700	0.170	11.700	350.00							
02/ 0	30:39	33	1.00	52	16.28		21.100	8.210	0.160	15.500	378.00							
03/ 0	40:49	44	2.00	54	16.61		20.100	5.580	0.180	63.600	563.00							
Mean	34.0	1.17	52.7		16.04		20.967	7.497	0.170	30.267	430.33							
Minimum	25	0.50	52		15.23		20.100	5.580	0.160	11.700	350.00							
Maximum	44	2.00	54		16.61		21.700	8.700	0.180	63.600	563.00							
St.dev.	9.5	0.76	1.2		0.72		0.808	1.678	0.010	28.930	115.74							
Count	3	3	3		3		3	3	3	3	3							

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sør fjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **57A Krossanes**, Latitude: 60°23.20N, Longitude: 06°41.20E.
 Catch,date : **881006**, Count: 152, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length mm	-wght mm	No of mean shell g	Dry %		Fat %		Cd ppm		Cu ppm		Hg ppm		Pb ppm		Zn ppm	
				Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.	Mean	St.dev.
01/ 0	20:29	26	0.40	51	18.17		43.200	6.880	0.140	5.190	198.00						
02/ 0	30:39	34	1.20	49	17.66		38.100	5.810	0.210	8.510	263.00						
03/ 0	40:48	43	2.40	52	16.40		44.100	6.330	0.250	88.100	457.00						
Mean	34.3	1.33	50.7		17.41		41.800	6.340	0.200	33.933	306.00						
Minimum	26	0.40	49		16.40		38.100	5.810	0.140	5.190	198.00						
Maximum	43	2.40	52		18.17		44.100	6.880	0.250	88.100	457.00						
St.dev.	8.5	1.01	1.5		0.91		3.236	0.535	0.056	46.939	134.75						
Count	3	3	3		3		3	3	3	3	3						

Sample.No 01 :
 Whole Soft Body : undepurated
 Sample.No 02 :
 Whole Soft Body : undepurated
 Sample.No 03 :
 Whole Soft Body : undepurated

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørifjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **57A Krossanes**, Latitude: 60°23.20N, Longitude: 06°41.20E.
 Catch,date : **911002**, Count: 150, Sample type: **Bulked**.

Samp/ Repl. no.	Shell-length (mm)	Weight (g)	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
01/0	21:29	26	0.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	
02/0	30:39	36	1.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	
03/0	40:48	43	2.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	

Tab.width cont'd **MYTI EDU, SB, J63, 57A Krossanes, 911002**.

Samp/ Repl. no.	Shell-length (mm)	Weight (g)	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA				
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
01/0	21:29	26	0.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050
02/0	30:39	36	1.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050
03/0	40:48	43	2.60	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørifjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **57A Krossanes**, Latitude: 60°23.20N, Longitude: 06°41.20E.
 Catch,date : **920905**, Count: 150, Sample type: **Bulked**.
 Comment : Station name : Krossanes

Samp/ Repl. no.	Shell-length (mm)	Weight (g)	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
01/0	20:29	24	0.70	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050				
02/0	30:39	36	2.00	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050				
03/0	40:48	43	3.00	50	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050				

miss(2) ! Missing value.

Tab.width cont'd MYTI EDU, SB, J63, 57A Krossanes, 920905.

Samp/ Repl. no.	Shell-length mm:mn	-wght mm	No of mean shell g	NIVA		Σ (*)		NIVA		NIVA	
				341	341	!	!	341	341	341	341
01/ 0	20:29	24	0.70	50	0.10	0.10	0.20	<0.10	<0.10	<0.10	<0.10
02/ 0	30:39	36	2.00	50	<0.10	0.20	<0.30	0.10	miss	<0.10	<0.10
03/ 0	40:48	43	3.00	50	<0.10	0.20	<0.30	0.10	miss	<0.10	<0.10
Mean	34.3	1.90	50.0		<<0.10	0.17	<<0.27	<<0.10	<0.10	<0.10	<<0.10
Minimum	24	0.70	50		<0.10	0.10	0.20	<0.10	<0.10	<0.10	<0.10
Maximum	43	3.00	50		0.10	0.20	<0.30	0.10	<0.10	<0.10	<0.10
St.dev.	9.6	1.15	0.0		~0.00	0.06	~0.06	~0.00	.	.	~0.00
Count	3	3	3		3	3	3	3	1	1	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.

Sample.area: J62 Hardangerfjorden, Tissue : Whole SOFT BODY.

Locality : 63A Ranaskjær, Latitude: 60°25.10N, Longitude: 06°24.50E.

Catch,date : 870901, Count: 142, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm:mn	-wght mm	No of mean shell g	NIVA		Fat		NIVA		NIVA		NIVA	
				312	311	%	%	312	311	312	311		
01/ 0	20:29	25	0.60	49	0.31	15.72	.	21.500	10.700	0.200	35.800	414.00	414.00
02/ 0	30:39	35	1.80	51	0.93	14.92	.	47.200	9.840	0.310	127.000	579.00	579.00
03/ 0	40:49	43	2.90	42	1.51	14.56	.	48.600	9.410	0.410	148.000	723.00	723.00
Mean	34.3	1.77	47.3		0.92	15.07	.	39.100	9.983	0.307	103.600	572.00	572.00
Minimum	25	0.60	42		0.31	14.56	.	21.500	9.410	0.200	35.800	414.00	414.00
Maximum	43	2.90	51		1.51	15.72	.	48.600	10.700	0.410	148.000	723.00	723.00
St.dev.	9.0	1.15	4.7		0.60	0.59	.	15.258	0.657	0.105	59.648	154.62	154.62
Count	3	3	3		3	3	.	3	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **63A Ranaskjær**, Latitude: 60°25.10N, Longitude: 06°24.50E.
 Catch,date : **881007**, Count: 150, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -weight No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA												
	312	311	310	312	311	310	312	311	310	312	311	310	
Mean Weight	0.49	15.90	10.300	6.160	0.140	5.080	213.00	0.050	0.150	0.010	0.150	3.00	
Dry %	1.18	17.51	9.750	5.790	0.140	6.690	216.00						
Fat %	1.98	14.00	25.900	7.230	0.250	17.000	408.00						
Mean Weight	1.22	15.80	15.317	6.393	0.177	9.590	279.00						
Dry %	0.49	14.00	9.750	5.790	0.140	5.080	213.00						
Fat %	1.98	17.51	25.900	7.230	0.250	17.000	408.00						
St.dev.	9.5	1.01	0.0	9.170	0.748	0.064	6.468	111.73					
Count	3	3	3	3	3	3	3						

Sample.No 01 :

Whole Soft Body : undepurated

Sample.No 02 :

Whole Soft Body : undepurated

Sample.No 03 :

Whole Soft Body : undepurated

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **63A Ranaskjær**, Latitude: 60°25.10N, Longitude: 06°24.50E.
 Catch,date : **890927**, Count: 171, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -weight No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA												
	312	311	310	312	311	310	312	311	310	312	311	310	
Mean Weight	0.46	18.10	1.55	3.440	1.030	0.032	0.840	43.70	0.030	0.150	0.010	0.150	3.00
Dry %	1.35	17.40	1.44	3.960	0.890	0.029	1.430	45.10					
Fat %	3.29	19.10	2.08	2.680	0.720	0.036	1.070	45.20					
Mean Weight	3.29	19.10	2.08										
Dry %	1.70	18.20	1.69	3.360	0.880	0.032	1.113	44.67					
Fat %	0.46	17.40	1.44	2.680	0.720	0.029	0.840	43.70					
St.dev.	3.29	19.10	2.08	3.960	1.030	0.036	1.430	45.20					
Count	1.45	0.85	0.34	0.644	0.155	0.004	0.297	0.84					
	3	3	3	3	3	3	3	3					

03/99

Tab.width cont'd MYTI EDU, SB, J62, 65A Vikingneset, 901030.

Analysis Code.	SIIF
605	40.0
Detection Limit.	EPOCII
Shell-length	ppb
Weight	wt
Repl. no.	Min:Max,Mean
mm:mm	mm
01/ 0	22:29 27 1.10 82
02/ 0	30:39 33 2.20 50
03/ 0	40:47 43 3.80 20
Mean	34.3 2.37 50.7
Minimum	27 1.10 20
Maximum	43 3.80 82
St.dev.	8.1 1.36 31.0
Count	3 3 3

Species : MYTI EDU, Mytilus edulis, G8: Blue mussel, N: Blåskjell.
Sample.area: J62 Hardangerfjorden, Tissue : Whole SOFT BODY.
Locality : 65A Vikingneset, Latitude: 60°14.50N, Longitude: 06°09.60E.
Catch, date : 911001, Count: 200, Sample type: Bulked.

Analysis Code.	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF				
605	40.0	111	111	111	111	111	111	111	111	111	111	111	111	111	111				
Detection Limit.	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF				
Shell-length	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb				
Weight	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt	wt				
Repl. no.	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean	Min:Max,Mean				
mm:mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
01/ 0	21:29 26 0.60 100	01/ 0	22:29 27 1.10 82	01/ 0	23:29 28 1.60 50	01/ 0	24:29 29 2.10 50	01/ 0	25:29 30 2.60 50	01/ 0	26:29 31 3.10 50	01/ 0	27:29 32 3.60 50	01/ 0	28:29 33 4.10 50	01/ 0	29:29 34 4.60 50	01/ 0	30:39 35 5.10 50
Minimum	26 0.60 100	27 1.10 82	28 1.60 50	29 2.10 50	30 2.60 50	31 3.10 50	32 3.60 50	33 4.10 50	34 4.60 50	35 5.10 50	36 5.60 50	37 6.10 50	38 6.60 50	39 7.10 50	40 7.60 50	41 8.10 50	42 8.60 50	43 9.10 50	44 9.60 50
Maximum	44 4.60 100	43 3.80 82	42 3.00 62	41 2.20 42	40 1.40 22	39 0.60 2	38 0.050 0.050	37 0.010 0.010	36 0.005 0.005	35 0.001 0.001	34 0.000 0.000	33 0.000 0.000	32 0.000 0.000	31 0.000 0.000	30 0.000 0.000	29 0.000 0.000	28 0.000 0.000	27 0.000 0.000	26 0.000 0.000
St.dev.	9.0 2.00 28.9	8.1 1.36 31.0	7.2 0.72 24.0	6.3 0.63 17.1	5.4 0.54 10.2	4.5 0.45 3.3	3.6 0.36 0.36	2.7 0.27 0.27	1.8 0.18 0.18	0.9 0.09 0.09	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00	0.0 0.00 0.00
Count	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3

Tab.width cont'd MYTI EDU, SB, J62, 65A Vikingneset, 911001.

Analysis Code.	SIIF
605	130.0
Detection Limit.	EPOCII
Shell-length	ppb
Weight	wt
Repl. no.	Min:Max,Mean
mm:mm	mm
01/ 0	21:29 26 0.60 100
02/ 0	30:39 35 2.40 50
03/ 0	40:49 44 4.60 50
Mean	35.0 2.53 66.7
Minimum	26 0.60 100
Maximum	44 4.60 100
St.dev.	9.0 2.00 28.9
Count	3 3 3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **80A \stmarknes**, Latitude: 63°27.50N, Longitude: 10°27.50E.
 Catch,date : **851104**, Count: 80, Sample type: **Bulked**.
 Comment : **BLUE MUSSEL, DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10). WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Analytical Lab. Code	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	Σ(*)	SIIF
Detection Limit.	=>	0.010	0.010	0.040	0.020	0.020	0.40	0.40	5.00	0.50	!	!
Shell-length -wght	=>	Cd	Hg	Mn	Pb	Zn	Pb	Zn	Pb	DD	Σ4	HCb
Repl. Min:Max,Mean	mm	ppm	ppm	ppm	ppm	ppm	d.wt	d.wt	ppm	ppb	w.wt	ppb
no.	mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	20:29	24	1.10	66	1.90	1.210	0.180	4.670	2.520	110.00	77.0	miss
02/ 0	30:39	32	2.40	14	1.00	1.170	miss	3.420	2.590	90.00	miss	<3.00
Mean		28.0	1.75	40.0	1.45	1.190	0.180	4.045	2.555	100.00	77.0	<3.00
Minimum		24	1.10	14	1.00	1.170	0.180	3.420	2.520	90.00	77.0	<3.00
Maximum		32	2.40	66	1.90	1.210	0.180	4.670	2.590	110.00	77.0	<3.00
St.dev.		5.7	0.92	36.8	0.64	0.028	.	0.884	0.049	14.14	.	.
Count		2	2	2	2	2	1	2	2	2	1	1

miss(4) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **81A Biologisk Stasjon**, Latitude: 63°26.50N, Longitude: 10°21.40E.
 Catch,date : **841024**, Count: 50, Sample type: **Homogenate**.
 Comment : **Site approximate to oil/gasoline port which may explain high lead content in mussel samples.**

Analytical Lab. Code	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	Σ(*)
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.040	0.020	0.40	0.40	5.00	0.50	!
Shell-length -wght	=>	Cd	Cu	Hg	Mn	Pb	Zn	Pb	Zn	PCB	DD	Σ4
Repl. Min:Max,Mean	mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
no.	mm	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	25:38	32	50	1.80	1.80	0.170	1.650	0.008	0.600	s11.470	38.80	16.0
				14.70	14.70	1.80	1.650	0.008	0.600	s11.470	38.80	16.0
				1.12	1.12	1.80	1.650	0.008	0.600	s11.470	38.80	16.0

s/q(1) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **82A Flak**, Latitude: 63°27.10N, Longitude: 10°12.60E.
 Catch,date : **841024**, Count: 50, Sample type: **Homogenate**.

Analytical Lab. Code	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	Σ(*)
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.040	0.020	0.40	0.40	5.00	0.50	!
Shell-length -wght	=>	Cd	Cu	Hg	Mn	Pb	Zn	Pb	Zn	PCB	DD	Σ4
Repl. Min:Max,Mean	mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
no.	mm	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	28:40	33	50	0.70	0.70	0.250	1.130	0.009	0.620	s0.020	22.40	36.0
				17.70	17.70	0.70	1.130	0.009	0.620	s0.020	22.40	36.0
				1.42	1.42	0.70	1.130	0.009	0.620	s0.020	22.40	36.0

s/q(1) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **82A Flak**, Latitude: 63°27.10N, Longitude: 10°12.60E.
 Catch,date : **911101**, Count: 199, Sample type: **Bulked**.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA			
Analysis Code.	Detection Limit.	312	311	310	311	312	311	310	311		
Shell-length -mm	Weight -g	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050		
Repl. Min:Max,Mean	St.dev.	Cd	Cu	Hg	Pb	Zn	Pb	Zn	Zn		
no.	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt		
01/ 0	20:30	26	1.30	100	0.46	16.80	0.240	1.760	0.013	0.290	24.40
02/ 0	30:39	35	2.60	50	1.03	18.00	0.210	2.790	0.011	0.230	23.50
03/ 0	39:51	44	5.00	49	2.01	17.50	0.210	2.060	0.013	0.190	25.90
Mean	35.0	2.97	66.3		1.17	17.43	0.220	2.203	0.012	0.237	24.60
Minimum	26	1.30	49		0.46	16.80	0.210	1.760	0.011	0.190	23.50
Maximum	44	5.00	100		2.01	18.00	0.240	2.790	0.013	0.290	25.90
St.dev.	9.0	1.88	29.2		0.78	0.60	0.017	0.530	0.001	0.050	1.21
Count	3	3	3		3	3	3	3	3	3	3

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **82A Flak**, Latitude: 63°27.10N, Longitude: 10°12.60E.
 Catch,date : **920830**, Count: 70, Sample type: **Bulked**.
 Comment : Station name : Flak

Analytical Lab.		NIVA		NIVA		NIVA		NIVA			
Analysis Code.	Detection Limit.	312	311	310	312	311	312	310	311		
Shell-length -mm	Weight -g	0.010	0.010	0.010	0.050	0.010	0.050	0.010	0.050		
Repl. Min:Max,Mean	St.dev.	Cd	Cu	Hg	Pb	Zn	Pb	Zn	Zn		
no.	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt		
01/ 0	20:29	24	1.30	50	0.70	20.50	0.260	1.250	0.010	0.190	26.70
02/ 0	30:39	34	2.80	20	1.62	18.10	0.210	1.400	0.010	0.170	20.90
Mean	29.0	2.05	35.0		1.16	19.30	0.235	1.325	0.010	0.180	23.80
Minimum	24	1.30	20		0.70	18.10	0.210	1.250	0.010	0.170	20.90
Maximum	34	2.80	50		1.62	20.50	0.260	1.400	0.010	0.190	26.70
St.dev.	7.1	1.06	21.2		0.65	1.70	0.035	0.106	0.000	0.014	4.10
Count	2	2	2		2	2	2	2	2	2	2

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **83A Frøsetskjær**, Latitude: 63°25.50N, Longitude: 10°07.80E.
 Catch,date : **841024**, Count: 50, Sample type: **Homogenate**.

Analytical Lab.		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
Analysis Code.	Detection Limit.	130	130	120	132	130	132	111	111	111	111	111	111
Shell-length -mm	Weight -g	0.010	0.010	0.010	0.040	0.020	0.040	0.50	0.50	0.50	0.50	0.20	0.20
Repl. Min:Max,Mean	St.dev.	Cd	Cu	Hg	Mn	Pb	Zn	PCB	DDTEP	DD	Σ4	HCB	ppb
no.	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	33:42	37	50		2.02	15.40	1.40	0.200	1.180	0.010	0.570	s0.020	20.20
Mean													
Minimum													
Maximum													
St.dev.													
Count													

s/q(1) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **84A Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **841023**, Count: 110, Sample type: **Bulked**.

Analytical Lab. Analysis Code Detection Limit. Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132
Mean	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040
Weight g	Fat %		Hg ppm		Cu ppm		Mn ppm		Pb ppm		Zn ppm		PCB ppb		DD _{Σ4} ppb		HCB ppb		SIIF w.wt	
01/ 0 22:30 25	1.50	1.50	1.870	0.009	1.870	0.009	0.570	0.570	0.570	0.570	18.70	18.70	17.0	17.0	17.0	17.0	<1.50	<1.50	<1.50	<0.50
02/ 0 30:40 34	2.10	2.10	1.210	0.014	1.210	0.014	0.460	0.460	0.460	0.460	16.10	16.10	15.0	15.0	15.0	15.0	0.70	0.70	0.70	0.50
Mean	1.80	1.80	1.540	0.012	1.540	0.012	0.515	0.515	0.515	0.515	17.40	17.40	16.0	16.0	16.0	16.0	<<1.10	<<1.10	<<1.10	<<0.50
Minimum	1.50	1.50	1.210	0.009	1.210	0.009	0.460	0.460	0.460	0.460	16.10	16.10	15.0	15.0	15.0	15.0	0.70	0.70	0.70	<0.50
Maximum	2.10	2.10	1.870	0.014	1.870	0.014	0.570	0.570	0.570	0.570	18.70	18.70	17.0	17.0	17.0	17.0	<1.50	<1.50	<1.50	0.50
St.dev.	0.42	0.42	0.467	0.004	0.467	0.004	0.078	0.078	0.078	0.078	1.84	1.84	1.4	1.4	1.4	1.4	~0.57	~0.57	~0.57	~0.00
Count	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

s/q(5) ! Suspect value (s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **84A Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **851104**, Count: 138, Sample type: **Bulked**.

Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10). WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Analytical Lab. Analysis Code Detection Limit. Shell-length -wght No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF		SIIF	
	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132	130	132
Mean	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040	0.010	0.040
Weight g	Fat %		Hg ppm		Mn ppm		Pb ppm		Zn ppm		PCB ppb		DD _{Σ4} ppb		HCB ppb		SIIF w.wt		SIIF w.wt	
01/ 0 20:29 26	0.40	0.40	2.320	miss	2.320	miss	5.910	2.170	160.00	160.00	78.0	78.0	<3.00	<3.00	<3.00	<3.00	2.00	2.00	2.00	2.00
02/ 0 30:39 33	0.60	0.60	1.860	0.083	1.860	0.083	4.350	1.610	130.00	130.00	s<6.0	s<6.0	miss	miss	miss	miss	miss	miss	miss	miss
03/ 0 40:46 42	0.70	0.70	1.630	0.150	1.630	0.150	4.550	1.380	162.00	162.00	74.0	74.0	miss	miss	miss	miss	miss	miss	miss	miss
Mean	0.57	0.57	1.937	0.117	1.937	0.117	4.937	1.720	150.67	150.67	76.0	76.0	<3.00	<3.00	<3.00	<3.00	1.50	1.50	1.50	1.50
Minimum	0.40	0.40	1.630	0.083	1.630	0.083	4.350	1.380	130.00	130.00	74.0	74.0	<3.00	<3.00	<3.00	<3.00	1.00	1.00	1.00	1.00
Maximum	0.70	0.70	2.320	0.150	2.320	0.150	5.910	2.170	162.00	162.00	78.0	78.0	<3.00	<3.00	<3.00	<3.00	2.00	2.00	2.00	2.00
St.dev.	0.67	0.67	0.351	0.047	0.351	0.047	0.849	0.406	17.93	17.93	2.8	2.8	miss	miss	miss	miss	miss	miss	miss	miss
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q (1) ! Suspect value(s)

i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.
 miss(4) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **84A Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861117**, Count: 161, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -weight No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA														
	312	311	310	312	311	310	312	311	310	312	311	310			
01/ 0 22:29 27 1.20 61	0.89	14.40	1.19	2.380	96.800	0.150	0.890	182.00	8.1	0.90	0.90	<3.00	<3.00	0.40	440.0
02/ 0 30:39 34 2.00 50	1.68	15.00	1.20	2.380	s77.100	0.060	0.560	163.00	6.6	0.80	0.80	<3.00	<3.00	0.50	82.0
03/ 0 40:49 43 3.10 50	3.20	15.00	0.90	2.090	s57.200	0.170	0.640	148.00	9.6	0.80	0.80	<3.00	<3.00	0.60	170.0
Mean	34.7	2.10	53.7						8.1	0.83	0.83	<3.00	<3.00	0.50	230.7
Minimum	27	1.20	50						6.6	0.80	0.80	<3.00	<3.00	0.40	82.0
Maximum	43	3.10	61						9.6	0.90	0.90	<3.00	<3.00	0.60	440.0
St.dev.	8.0	0.95	6.4						1.5	0.06	0.06	~0.00	~0.00	0.10	186.6
Count	3	3	3	3	3	i1	3	3	3	3	3	3	3	3	3

s/q(2) ! Suspect value(s)

i (1) ! Suspect or ambiguous basis-value(s) ignored in statistics.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **84A Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **871021**, Count: 147, Sample type: **Bulked**.

Analytical Lab. Analysis Code. Detection Limit. Samp/ Shell-length -weight No of Repl. Min:Max,Mean mean shell no. mm:mm mm g	NIVA															
	312	311	310	312	311	310	312	311	310	312	311	310				
01/ 0 20:29 25 0.40 50	0.46	11.60	0.60	1.970	49.200	0.080	1.530	148.00	5.0	1.00	<0.20	<0.20	<1.2	<1.2	0.30	50.0
02/ 0 30:39 35 1.30 49	1.44	10.60	0.70	2.250	56.800	0.080	1.390	133.00	s1200.0	s76.00	s38.00	s0.10	s114.1	s114.1	s17.00	s55.00
03/ 0 40:49 43 2.30 48	2.28	12.40	0.80	2.100	61.900	0.080	1.300	122.00	7.0	1.30	0.40	0.05	1.8	1.8	0.70	miss
Mean	34.3	1.33	49.0						6.0	1.15	<<0.30	<<0.13	<<1.5	<<1.5	0.50	50.0
Minimum	25	0.40	48						5.0	1.00	<0.20	0.05	<1.2	<1.2	0.30	50.0
Maximum	43	2.30	50						7.0	1.30	0.40	<0.20	1.8	1.8	0.70	50.0
St.dev.	9.0	0.95	1.0						1.4	0.21	~0.14	~0.11	~0.4	~0.4	0.28	0.07
Count	3	3	3	3	3	3	3	3	i2	i2	i2	i2	i2	i2	i2	i1

s/q (12) ! Suspect value(s)

i (12) ! Suspect or ambiguous basis-value(s) ignored in statistics.

miss(2) ! Missing value.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **85A Geitstrand**, Latitude: 63°21.90N, Longitude: 09°56.30E.
 Catch,date : **841023**, Count: 50, Sample type: **Homogenate**.

Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	=>	130	130	120	132	130	132	130	132	111	111	111	111
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.020	0.040	0.020	0.040	5.00	5.00	0.50	0.20
Shell-length -weight No of										PCB	DDTEP	DD	Σ4 HCB
Repl. Min:Max,Mean		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
mm:mm		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 34:50 39	50	2.21	18.40	1.70	0.240	1.120	0.010	0.620	s<.020	21.10	11.0	1.50	1.50
													0.40

s/q(1) ! Suspect value(s)

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **86A Geitnes**, Latitude: 63°26.60N, Longitude: 09°59.20E.
 Catch,date : **841023**, Count: 60, Sample type: **Homogenate**.

Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	=>	130	130	120	132	130	132	130	132	111	111	111	111
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.020	0.040	0.020	0.040	5.00	5.00	0.50	0.20
Shell-length -weight No of										Zn	Zn	Zn	Zn
Repl. Min:Max,Mean		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
mm:mm		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 16:24 17	60	0.29	19.00	.	0.220	1.040	0.010	0.620	s0.060	19.70			

s/q(1) ! Suspect value(s)

Sample.No 01 :
 Whole Soft Body : **SAMPLE TOO SMALL FOR DETERMINATION OF FAT WT. AND ORGANOCHLORINES**

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **87A Ingdalsbuk**, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : **841023**, Count: 60, Sample type: **Homogenate**.

Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	=>	130	130	120	132	130	132	130	132	111	111	111	111
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.020	0.040	0.020	0.040	5.00	5.00	0.50	0.20
Shell-length -weight No of										Zn	Zn	Zn	Zn
Repl. Min:Max,Mean		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
mm:mm		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 14:22 15	60	0.20	18.59	.	0.180	0.850	0.033	0.660	s0.020	18.60			

s/q(1) ! Suspect value(s)

Sample.No 01 :
 Whole Soft Body : **SAMPLE TOO SMALL FOR DETERMINATION OF FAT WT. AND ORGANOCHLORINES**

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **87A Ingdalsbuk**, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : **851104**, Count: 122, Sample type: **Homogenate**.
 Comment : **BLUE MUSSEL DRY WEIGHTS ARE BY 'FREEZE DRYING' WHICH IS ABOUT 2% HIGHER THAN 105 DEG. C DRIED SAMPLES (N=10). WET WEIGHT VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Comment : **VALUES RECALCULATED FROM FREEZE DRIED BASIS ARE ABOUT 10% HIGHER THAN VALUES RECALCULATED FROM A 105 DEG. C DRIED SAMPLE**

Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF
Analysis Code.	=>	130	130	120	132	130	132	130	132	111	111	111	111
Detection Limit.	=>	0.010	0.010	0.010	0.040	0.020	0.040	0.020	0.040	5.00	5.00	0.50	0.20
Shell-length -weight No of										PCB	DDTEP	HCB	HCB
Repl. Min:Max,Mean		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
mm:mm		d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 15:24 16 0.30 122	122	0.14	20.40	0.60	1.020	miss	6.600	1.310	92.80	miss	miss	miss	miss

miss(4) ! Missing value.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.
 Locality : 87A Ingdalsbukkt, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : 861117, Count: 18, Sample type: Homogenate.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIF	SIF	SIF	SIF	SIF	SIF	SIF
Analysis Code.	312	311	310	312	311	311	111	111	111	111	111	605	
Detection Limit.	0.030	0.150	0.010	0.150	3.00	5.00	5.00	3.00	3.00	5000.0	5000.0		
Sample Shell-length -weight No of	Fat	Cd	Cu	Pb	Zn	PCB	DDIEP	HCHG	HC	EPOCL	HC	EPOCL	
Repl. Min:Max,Mean mean shell	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
No. mm:imm mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:24 21 0.60 18	0.42	6.40	1.950	s18.300	0.150	1.620	97.70	miss	miss	miss	miss	miss	miss

s/g (1) ! Suspect value(s)
 miss(5) ! Missing value.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.
 Locality : 87A Ingdalsbukkt, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : 871021, Count: 31, Sample type: Homogenate.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIF	SIF	SIF	SIF	SIF	SIF	SIF
Analysis Code.	312	311	310	312	311	311	111	111	111	111	111	605	
Detection Limit.	0.030	0.150	0.010	0.150	3.00	5.00	5.00	5.00	5.00	5.00	0.20	40.0	
Sample Shell-length -weight No of	Fat	Cd	Cu	Hg	Zn	PCB	DDIEP	HCHG	HC	EPOCL	HC	EPOCL	
Repl. Min:Max,Mean mean shell	%	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
No. mm:imm mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:23 21 0.50 31	0.25	18.00	0.770	20.100	<.050	1.000	102.00	miss	miss	miss	<5.00	miss	miss

miss(7) ! Missing value.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.
 Locality : 87A Ingdalsbukkt, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : 881117, Count: 101, Sample type: Homogenate.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIF	SIF	SIF	SIF	SIF	SIF	SIF
Analysis Code.	312	311	310	312	311	311	111	111	111	111	111	605	
Detection Limit.	0.030	0.150	0.010	0.150	3.00	5.00	5.00	0.10	0.10	0.10	0.50	40.0	
Sample Shell-length -weight No of	Fat	Cd	Cu	Hg	Zn	PCB	DDIEP	DD	DD	DD	DD	DD	DD
Repl. Min:Max,Mean mean shell	%	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
No. mm:imm mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 20:27 21 0.60 101	0.35	21.80	1.81	0.690	8.350	0.260	1.190	105.00	4.7	0.10	0.30	<0.10	<0.10

Sample.No 01 :
 Whole Soft Body : Dry weight determination for chlorinated hydrocarbon subsample was 22.64%

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.
 Locality : 87A Ingdalsbukkt, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : 891024, Count: 99, Sample type: Homogenate.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	SIF	SIF	SIF	SIF	SIF	SIF	SIF
Analysis Code.	312	311	310	312	311	311	111	111	111	111	111	605	
Detection Limit.	0.030	0.150	0.010	0.150	3.00	5.00	5.00	0.10	0.10	0.10	0.50	50.00	
Sample Shell-length -weight No of	Fat	Cd	Cu	Hg	Zn	PCB	DDIEP	DD	DD	DD	DD	DD	DD
Repl. Min:Max,Mean mean shell	%	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
No. mm:imm mm	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 21:29 25 1.10 99	0.54	23.80	2.60	0.180	1.400	0.011	0.170	23.00	5.7	0.40	<0.10	0.50	<0.10

Tab.width cont'd **MYTI EDU, SB, J65, 87A** Ingdalsbuktt, 891024.

.	Analytical Lab.	=>	SIIF
.	Analysis Code.	=>	605
	Detection Limit.	=>	40.0
	Shell-length -wght	No of	E P O C L
Repl.	Min:Max,Mean	mean shell	ppb
no.	mm:mm	mm	w.wt
01/ 0	21:29	25	1.10
		99	660.0

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **87A Ingdalsbuktt**, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : **911101**, Count: 100, Sample type: **Homogenate**.

.	Analytical Lab.	=>	NIVA	NIVA	NIVA	NIVA
.	Analysis Code.	=>	312	311	310	311
	Detection Limit.	=>	0.010	0.050	0.010	0.050
	Shell-length -wght	No of	C d	C u	H g	Z n
Repl.	Min:Max,Mean	mean shell	ppm	ppm	ppm	ppm
no.	mm:mm	mm	w.wt	w.wt	w.wt	w.wt
01/ 0	20:34	24	1.00	100	0.36	19.50
			0.170	1.420	0.011	0.190
						22.80

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **87A Ingdalsbuktt**, Latitude: 63°27.80N, Longitude: 09°54.80E.
 Catch,date : **920830**, Count: 100, Sample type: **Bulked**.
 Comment : Station name : Ingdalsbuktt

.	Analytical Lab.	=>	NIVA	NIVA	NIVA	NIVA
.	Analysis Code.	=>	312	311	310	311
	Detection Limit.	=>	0.010	0.010	0.010	0.050
	Shell-length -wght	No of	C d	C u	H g	Z n
Repl.	Min:Max,Mean	mean shell	ppm	ppm	ppm	ppm
no.	mm:mm	mm	w.wt	w.wt	w.wt	w.wt
01/ 0	20:25	22	0.50	50	0.32	18.40
			0.180	1.160	0.010	0.160
						21.00

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **88A Rødberg**, Latitude: 63°29.20N, Longitude: 10°00.00E.
 Catch,date : **841023**, Count: 60, Sample type: **Homogenate**.

.	Analytical Lab.	=>	SIIF	SIIF	SIIF	SIIF
.	Analysis Code.	=>	130	130	130	132
	Detection Limit.	=>	0.010	0.010	0.010	0.020
	Shell-length -wght	No of	C d	C u	H g	Z n
Repl.	Min:Max,Mean	mean shell	ppm	ppm	ppm	ppm
no.	mm:mm	mm	w.wt	w.wt	w.wt	w.wt
01/ 0	15:24	17	60	60	0.23	17.59
			0.200	1.030	0.014	0.610
						80.040
						19.80

s/q(1) ! Suspect value(s)

Tab.width cont'd PAND BOR, TM, J26, 40C Steilene, 921220.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	
Analysis Code.	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Detection Limit.	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Shell-length - weight No of	HCHG HCHG HC S2 HCB QCS																					
Repl. Min:Max,Mean mean shell	NAP NAP2M NAPIM BIPN NAPDI NAPIM ACNIE ACNIE FILE PA ANTI PAMI FLU PYR BAA CHR BBF BJKF																					
no. mm:mm mm g	w.wt w.wt																					
01/ 0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
02/ 0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Mean	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Minimum	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Maximum	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
St.dev.	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	
Count	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Tab.width cont'd PAND BOR, TM, J26, 40C Steilene, 921220.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	
Analysis Code.	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	
Detection Limit.	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Shell-length - weight No of	BEP BAP PER ICDP DBA3A BGHIP COR DBP DI S6 P S20 PK S7 PAHES																					
Repl. Min:Max,Mean mean shell	w.wt w.wt																					
no. mm:mm mm g	w.wt w.wt																					
01/ 0	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
02/ 0	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Mean	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Minimum	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Maximum	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
St.dev.	0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	
Count	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Sample.No 01 : Tail weight 230.9 grams. Length min. = 70 mm, max = 100 mm.
Sample.No 02 : Tail weight 160.3 grams. Length min. = 65 mm, max. = 80 mm.

Species : PAND BOR, Pardalus borealis, GB: Pramn, N: Reker.
Sample.area: J26 Oslofjorden, Tissue : TAIL MUSCLES.
Locality : 31C Solbergstrand, Latitude: 59°36.90N, Longitude: 10°39.40E.
Catch, date : 841210, Count: 93, Sample type: Homogenate.

Analytical Lab.	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	SIIF	
Analysis Code.	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
Detection Limit.	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	
Shell-length - weight No of	PCB DDT/EP DD D4 HCB																					
Repl. Min:Max,Mean mean shell	w.wt w.wt																					
no. mm:mm mm g	w.wt w.wt																					
01/ 0	1.09	24.90	1.70	0.052	12.200	0.096	1.980	s<.060	14.80	70.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

s/q(1) ! Suspect value(s)
Sample.No 01 : From commercial catch. Length approximately 70-130mm.

Species : **PAND BOR**, *Pandalus borealis*, GB: PrawN, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **33C Sande**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **861124**, Count: 100, Sample type: **Homogenate**.

Analytical Lab. Code	Detection Limit	Shell-length - weight	No of mean shell	NIVA		NIVA		NIVA		SIIF		SIIF		SIIF		SIIF		
				mm	mm	g	g	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
01/ 1 60:110	85	100	100	0.260	0.400	1.270	52.00	19.0	0.60	0.60	<3.00	<3.00	<3.00	<3.00	0.20	590.0	0.20	590.0
01/ 2				0.030	0.150	0.150	3.00	5.00	0.50	111	3.00	111	111	111	0.20	5000.0	0.20	5000.0
Mean	85.0	100.0		2.70	0.400	1.270	52.00	17.0	0.55	0.55	<3.00	<3.00	<3.00	0.25	460.0	0.25	460.0	
Minimum	85	100		2.70	0.400	1.270	52.00	17.0	0.55	0.55	<3.00	<3.00	<3.00	0.25	460.0	0.25	460.0	
Maximum	85	100		2.70	0.400	1.270	52.00	17.0	0.55	0.55	<3.00	<3.00	<3.00	0.25	460.0	0.25	460.0	
St.dev.																		
Count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

s/q(4) i Suspect value(s)
 Sample.No 01 : "Length" is defined as length from eye sockets to tail Mean estimated
 Tail Muscle : Reanalysis of ext.lipids = 1.1%

Species : **PAND BOR**, *Pandalus borealis*, GB: PrawN, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **35C Homlestrand-Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : **821008**, Count: 100, Sample type: **Homogenate**.

Analytical Lab. Code	Detection Limit	Shell-length - weight	No of mean shell	SIIF		SIIF		SIIF	
				mm	mm	g	g	ppm	ppm	ppb	ppb
01/ 0 80:120	100	100	100	0.010	0.110	19.0	130	120	111
Mean				0.90	0.011	0.110	0.010	0.010	5.00
Minimum									
Maximum									
St.dev.									
Count									

Sample.No 01 : Length approximated
 Tail Muscle : DETECTION LIMITS: HG = 0.03 MG/KG DRY WT. DETECTION LIMITS: CD = 0.05 MG/KG DRY WT. DETECTION LIMITS: PCB= 0.5 UG/KG MET WT.

Species : **PAND BOR**, *Pandalus borealis*, GB: PrawN, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **35C Homlestrand-Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.
 Catch,date : **881117**, Count: 100, Sample type: **Homogenate**.

Analytical Lab. Code	Detection Limit	Shell-length - weight	No of mean shell	NIVA		NIVA		NIVA		SIIF		SIIF		SIIF		SIIF		SIIF	
				mm	mm	g	g	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
01/ 0	4.20	100	100	0.190	0.460	0.960	59.30	27.0	<0.10	<0.10	0.50	6.20	6.70	1.10	1.40	<14.6	1.40	<0.20	490.0
Mean				1.71	0.460	0.960	59.30	27.0	<0.10	<0.10	0.50	6.20	6.70	1.10	1.40	<14.6	1.40	<0.20	490.0
Minimum																			
Maximum																			
St.dev.																			
Count																			

Sample.No 01 : Shrimp tail
 Tail Muscle : Shrimp tail Dry weight determination for chlorinated hydrocarbon subsample was 28.44%

TABLE B
FISH 1981-92

REPORT INFORMATION : " F I S H " .

```

----- : -----
Table-File-Name      : I:\TBX\JMG\BIO\TAB-0FSH.TB1
Limit-CheckFile     : )LIM\NO-LIMIT.FSH
Weight basis        : "ORIGINAL".
Table SORT-Mode     : 1. SPECIES.
                   : 2. TISSUE.
                   : 3. LOCALITY-index. (Predefined sequence)
                   : 4. DATE
                   : 5. SAMPLE-TYPE (Indiv.,Bulked,Homogenate)
----- : -----

```

NOTES :

- ☛ The detection limits given here are approximations based on 3 times the standard deviation of the "blank" or near zero concentration of a solution.
Day to day variations in the analytical instrument may lead to different detection limits.
- ☛ Method codes are explained in: Green,N.W.,1993. Overview of Analytical Methods Employed by JMP in Norway 1981-92. NIVA project 80106.
- ☛ NB ! The numeric values shown have been printed with a FIXED number of digits, and do not necessarily indicate analytical precision.
- ☛ If a numeric value is suspect, the value is ignored in parameter statistics. (Unless all observations are suspect).
If value can not be converted to basis for this table, the value is printed in the original basis but not included in any parameter statistics unless all values are in original basis.
- ☛ For "Σ" variables (e.g. CB_Σ7, DD_Σ4) , all the "<"-values (less than the detection limits) are counted only once.
If two or more different "<"-values are present, the maximum of the least questionable (suspect) "<"-value is used.
Any missing "Σ"-elements are ignored.
- ☛ If replicates are analyzed, the mean value of the replicates is counted in parameter statistics.
- ☛ If value is prefixed "<<", the number of "<" values is greater or equal to 25% of computed observations.
Standard Deviation values are prefixed the character "~" if any "<" values are included.
- ☛ Footnotes consist of 4 parts:
 - 1: a letter code (e.g ? or a/A)
The letter code may include one or more characters indicating possible matching letters referenced before or after numbers.
When more letters are given, the syntax "A:D" means any of "A,B,C or D" while syntax "a/A" means any of "a" or "A" is referencing.
 - 2: a count (in paranthesis)
 - 3: a "!" or ">"
"!" refer to notes BEFORE numeric values.
">" refer to notes AFTER numeric values.
 - 4: The footnote explanation.

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 03 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 08 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 09 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 10 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 14 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 16 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver with signs of inner bleeding.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver with signs of inner bleeding.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver with signs of inner bleeding.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 24 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua.

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 03 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua
 Sample.No 09 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 10 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 14 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 16 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 22 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua.

Tab.width cont'd GADU MOR, LI, J26, 30B Oslo City area, 891113.

Analytical Lab. :		NACE		NACE	
Analysis Code :		510		610	
Detection Limit :		20.00		0.800	
Samp/ Sex Age Wght Lngt		ppb		ppm	
Repl. F/M	year	g	mm	w.wt	w.wt
01/ 0	F	7	2165	610	20.00
02/ 0	F	5	2723	670	7.200
03/ 0	F	5	1806	550	<20.00
04/ 0	M	3	960	450	13.700
05/ 0	F	2	1412	500	30.00
06/ 0	M	2	1403	535	150.00
07/ 0	F	2	2378	615	5.050
08/ 0	F	3	1860	570	190.00
09/ 0	M	4	1519	540	60.00
10/ 0	M	2	1415	510	<20.00
11/ 0	F	5	2513	625	4.880
12/ 0	F	3	1821	560	80.00
13/ 0	M	5	2254	620	50.00
14/ 0	M	5	1891	555	70.00
15/ 0	M	6	1851	580	30.00
16/ 0	M	1	1042	470	6.520
17/ 0	M	2	1024	505	60.00
18/ 0	F	4	1201	510	11.500
19/ 0	F	2	1104	475	70.00
20/ 0	F	3	898	475	50.00
21/ 0	F	3	858	445	9.030
22/ 0	F	2	761	425	90.00
23/ 0	M	2	1284	470	13.200
24/ 0	M	2	1084	470	90.00
25/ 0	F	2	1037	475	9.300
Mean		3.3	1531	528	50.00
Minim.		1	761	425	<60.00
Maxim.		7	2723	670	9.780
St.dev		1.6	564	66	<20.00
Count		25	25	25	190.00
					~39.90
					3.983
					25
					25
Sample.No 01	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 02	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 03	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 04	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 05	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 06	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 07	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 08	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 09	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 10	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 11	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 12	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 13	:	Skin with metacercari cf.			Cryptocotyle lingua
LIVER	:	liver somewhat unevenly coloured.			
Sample.No 15	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 17	:	Skin with metacercari cf.			Cryptocotyle lingua
LIVER	:	liver with 2 cyst-like lobes.			
Sample.No 18	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 19	:	Uncertain age determination			
Sample.No 20	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 23	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 24	:	Skin with metacercari cf.			Cryptocotyle lingua
Sample.No 25	:	Skin with metacercari cf.			Cryptocotyle lingua

considerable.

Uncertain age determination
Uncertain age determination

Tab.width cont'd GADU MOR, LI, J26, 30B Oslo City area, 901204.

Samp/ Repl. no.	Sex F/M	Age year	Wght g	Lngr mm	Analytical Lab. :	Analysis Code. :	Detection Limit :	Σ (*)		NIVA		NIVA		NIVA	
								HC_E2 ppb w.wt	HC_B ppb w.wt	QCB ppb w.wt	OCB ppb w.wt	OCB ppb w.wt	EPOCL ppm w.wt		
01/ 0	M	3	744	420				19.00	6.00	<3.00	7.00	7.00	28.800		
02/ 0	M	4	1161	460				52.00	13.00	6.00	6.00	6.00	36.800		
03/ 0	F	5	1147	470				31.00	8.00	2.00	2.00	8.00	207.700		
04/ 0	M	4	1028	480				11.00	3.00	<1.00	4.00	4.00	344.100		
05/ 0	F	3	977	480				51.00	12.00	3.00	3.00	8.00	9.800		
06/ 0	M	4	1035	480				10.00	4.00	1.00	1.00	4.00	4.800		
07/ 0	F	3	1484	490				33.00	9.00	3.00	3.00	4.00	46.200		
08/ 0	M	6	1568	500				24.00	8.00	2.00	2.00	10.00	15.800		
09/ 0	F	3	1334	510				36.00	9.00	2.00	2.00	8.00	4.700		
10/ 0	F	4	1580	510				47.00	24.00	4.00	4.00	13.00	73.700		
11/ 0	M	4	1644	530				45.00	10.00	2.00	2.00	8.00	9.400		
12/ 0	F	5	1632	540				45.00	14.00	4.00	4.00	7.00	57.400		
13/ 0	F	3	1368	540				32.00	8.00	2.00	2.00	10.00	407.600		
14/ 0	M	4	1867	550				51.00	15.00	3.00	3.00	7.00	30.800		
15/ 0	F	4	1765	550				20.00	9.00	<1.00	8.00	8.00	12.400		
16/ 0	F	4	1932	560				47.00	18.00	5.00	8.00	6.00	22.600		
17/ 0	F	4	1877	560				41.00	11.00	2.00	2.00	6.00	24.000		
18/ 0	M	4	1979	560				54.00	15.00	4.00	4.00	11.00	29.800		
19/ 0	F	4	2077	570				29.00	11.00	2.00	2.00	8.00	46.100		
20/ 0	F	4	1826	570				26.00	8.00	2.00	2.00	8.00	4.900		
21/ 0	F	4	2243	580				37.00	14.00	3.00	3.00	14.00	22.300		
22/ 0	M	5	2635	620				24.00	12.00	2.00	2.00	21.00	37.700		
23/ 0	F	2	2344	620				29.00	10.00	2.00	2.00	9.00	64.900		
24/ 0	F	2	2708	620				33.00	7.00	2.00	2.00	3.00	115.800		
25/ 0	F	2	2942	650				19.00	7.00	1.00	1.00	7.00	45.300		
Mean		3.8	1716	537				33.84	10.60	<2.56	8.28	8.28	68.136		
Minim.		2	744	420				10.00	3.00	<1.00	3.00	3.00	4.700		
Maxim.		6	2942	650				54.00	24.00	6.00	6.00	21.00	407.600		
St.dev		1.0	568	57				12.95	4.52	~1.26	3.71	3.71	102.462		
Count		25	25	25				25	25	25	25	25	25		

Sample.No 01 : NIVA no.6. Skin with metacercariae of cf. *Cryptocotyle lingua*.

LIVER : Liver with necrotic cysts or tumours.

Sample.No 02 : NIVA no.17

Sample.No 03 : NIVA no.16

Sample.No 04 : NIVA no.20

Sample.No 05 : NIVA no.22. Skin with metacercariae of cf. *Cryptocotyle lingua*, skin and or oral cavity w/caligiform and lemnaeopodiiform copepods
LIVER : Liver/guts with *Anasakis* larvae.

Sample.No 06 : NIVA no.24. Lateral line necrosis.

Sample.No 07 : NIVA no.25. Skin with metacercariae of cf. *Cryptocotyle lingua*.

Sample.No 08 : NIVA no.14

Sample.No 09 : NIVA no.19

Sample.No 10 : NIVA no.09

Sample.No 11 : NIVA no.15. Skin with metacercariae of cf. *Cryptocotyle lingua*. Skin and or oral cavity w/caligiform and lemnaeopodiiform copepods.

Sample.No 12 : NIVA no.05.

Sample.No 13 : NIVA no.21. Skin with metacercariae of cf. *Cryptocotyle lingua*. Skin and or oral cavity w/caligiform and lemnaeopodiiform copepods.

Sample.No 14 : NIVA no.13.

LIVER : Liver with very loose consistency with slight rotten smell. Liver with necrotic areas or discoloured. Renanalysis: 72.1% dry wt..

Sample.No 15 : NIVA no.02.

Sample.No 16 : NIVA no.04. Skin with metacercariae of cf. *Cryptocotyle lingua*.

Sample.No 17 : NIVA no.12. Skin and or oral cavity w/caligiform and lemnaeopodiiform copepods.

Sample.No 18 : NIVA no.23

Sample.No 19 : NIVA no.03

Sample.No 20 : NIVA no.18

LIVER : Liver with necrotic cysts or tumours.

Sample.No 21 : NIVA no.11

Sample.No 22 : NIVA no.01. Skin with metacercariae of cf. *Cryptocotyle lingua*.

Sample.No 23 : NIVA no.08. Skin with metacercariae of cf. *Cryptocotyle lingua*.

LIVER : Liver/guts with *Anasakis* larvae.

Sample.No 24 : NIVA no.10. Lateral line necrosis.

Sample.No 25 : NIVA no.07.

Tab.width cont'd GADU MOR, LI, J26, 30B Oslo City area, 911003.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	g	F/M	year	Σ(*)	NIVA		NIVA		NIVA		
										HC	Σ2	ppb	w.wt	HC	Σ2	ppb	w.wt
02/0	M	2	665	410					<20.00	15.00	3.00	3.00	<3.00			
03/0	F	2	725	410					<23.00	18.00	4.00	4.00	9.00			
04/0	F	2	774	420					<29.00	16.00	<5.00	<5.00	13.00			
05/0	M	2	750	420					<19.00	12.00	3.00	3.00	4.00			
06/0	M	2	798	430					<23.00	15.00	<4.00	<4.00	4.00			
07/0	M	2	767	440					<21.00	23.00	4.00	4.00	5.00			
08/0	M	2	906	450					<18.00	15.00	3.00	3.00	7.00			
09/0	M	2	956	450					<13.00	10.00	2.00	2.00	5.00			
10/0	F	2	951	470					7.00	4.00	4.00	<1.00	3.00			
11/0	F	2	1095	490					<24.00	22.00	miss	miss	19.00			
12/0	M	2	1132	500					<10.00	16.00	3.00	3.00	14.00			
13/0	F	2	1063	510					<19.00	27.00	4.00	4.00	20.00			
14/0	F	2	1427	510					<12.00	12.00	<3.00	<3.00	25.00			
15/0	F	3	1155	520					<11.00	11.00	<3.00	<3.00	14.00			
16/0	F	3	1417	520					<5.00	5.00	<2.00	<2.00	7.00			
17/0	F	4	1469	550					<16.00	19.00	<4.00	<4.00	16.00			
18/0	M	3	1656	560					<11.00	17.00	<3.00	<3.00	13.00			
19/0	F	3	1728	560					<14.00	19.00	<4.00	<4.00	13.00			
20/0	M	4	2093	600					<19.00	45.00	<4.00	<4.00	31.00			
21/0	F	4	2433	630					<16.00	22.00	<4.00	<4.00	15.00			
22/0	M	5	2903	680					43.00	23.00	15.00	15.00	34.00			
23/0	F	5	3264	720					45.00	27.00	16.00	16.00	35.00			
24/0	F	5	3768	740					41.00	22.00	15.00	15.00	37.00			
25/0	F	5	3617	750					<<19.96	18.04	<<4.95	<<4.95	<15.04			
Mean		2.9	1563	531					<5.00	4.00	<1.00	<1.00	<3.00			
Minim.		2	665	410					45.00	45.00	16.00	16.00	37.00			
Maxim.		5	3768	750					~10.78	8.47	~4.31	~4.31	~10.77			
St.dev		1.2	953	106					23	23	22	22	23			
Count		24	24	24												

Sample.No 02 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 Sample.No 04 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 LIVER : Sample partly lost - PCB etc lacking.

Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 06 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
 Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 Sample.No 11 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 12 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 13 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
 Sample.No 14 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration
 Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 17 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 Sample.No 18 : Liver with necrotic areas and/or discolouration
 Sample.No 21 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration
 Sample.No 22 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 23 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 24 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic cysts or tumors
 Sample.No 25 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Tab.width cont'd **GADU MOR, LI, J26, 30B Oslo City area, 921230.**

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
Analysis Code. :	340	340	340	340	340	340
Detection Limit :	5.00	5.00	5.00	5.00	5.00	5.00
Sex :	HC	HC	HC	HC	HC	HC
Age :	HC	HC	HC	HC	HC	HC
Weight :	ppb	ppb	ppb	ppb	ppb	ppb
Rept. F/M year :	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
no.	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/0 F	3	520	360	5.00	5.00	5.00
02/0 M	3	537	370	5.00	5.00	5.00
03/0 M	3	670	400	5.00	5.00	5.00
04/0 M	3	672	400	5.00	5.00	5.00
05/0 F	3	770	405	5.00	5.00	5.00
06/0 M	3	837	410	5.00	5.00	5.00
07/0 M	3	807	410	5.00	5.00	5.00
08/0 F	5	737	420	5.00	5.00	5.00
09/0 F	5	925	440	5.00	5.00	5.00
10/0 M	3	990	470	5.00	5.00	5.00
11/0 F	4	1014	480	5.00	5.00	5.00
12/0 M	4	1059	485	5.00	5.00	5.00
13/0 F	4	1399	500	5.00	5.00	5.00
14/0 F	4	1523	510	5.00	5.00	5.00
15/0 F	3	1646	550	5.00	5.00	5.00
16/0 F	4	1663	555	5.00	5.00	5.00
17/0 M	3	1959	560	5.00	5.00	5.00
18/0 F	4	2535	620	5.00	5.00	5.00
Mean	3.6	1126	464	<<5.00	<<5.00	<<5.00
Minim.	3	520	360	5.00	5.00	5.00
Maxim.	5	2535	620	7.00	13.00	12.00
St.dev	0.7	550	74	2.46	3.41	2.52
Count	18	18	18	18	18	18

Sample.No 01 : Liver with necrotic areas and/or discoloration
 Sample.No 03 : Liver with necrotic areas and/or discoloration
 Sample.No 06 : Liver with necrotic areas and/or discoloration
 Sample.No 09 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discoloration
 Sample.No 11 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discoloration
 Sample.No 12 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discoloration
 Sample.No 13 : Liver with necrotic areas and/or discoloration
 Sample.No 14 : Liver with necrotic areas and/or discoloration
 Sample.No 15 : Liver with necrotic areas and/or discoloration
 Sample.No 16 : Liver with necrotic areas and/or discoloration
 Sample.No 17 : poorly developed gonads

Species : **GADU MOR**, Gadus morhua, GB: Cod, M: Torsk.

Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.

Locality : **30B Oslo City area**, Latitude: 59°49.00N, Longitude: 10°33.00E.

Catch,date : **921230**, Count: 18, Sample type: **Bulked**.

Comment : Station name : Oslo City area caught by trawl, 70-100m depth

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA								
Analysis Code. :	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309								
Detection Limit :	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20								
Sex :	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP								
Age :	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP								
Weight :	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb								
Rept. F/M year :	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt								
no.	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt								
19/0 X	3	765	409	4.20	2.7	1.1	0.7	2.0	3.3	2.5	0.8	0.2	3.7	0.7	5.8	1.7	<0.2	1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
20/0 X	4	1077	675	6.70	1.6	0.5	0.4	1.3	3.6	1.9	0.5	1.1	2.6	0.6	2.8	1.0	<0.2	0.6	1.2	<0.2	<0.2	<0.2	<0.2	<0.2
21/0 X	4	1865	559	9.30	1.8	0.4	0.4	1.0	0.7	1.2	<0.2	<0.2	1.5	0.4	1.6	0.6	<0.2	0.6	1.0	<0.2	<0.2	<0.2	<0.2	<0.2
Mean	3.7	1236	481	6.73	2.9	0.7	0.5	1.4	2.5	1.9	<0.5	<0.5	2.6	0.6	3.4	1.1	<0.2	0.8	1.2	<0.2	<0.2	<0.2	<0.2	<0.2
Minim.	3	765	409	4.20	1.4	0.4	0.4	1.0	0.7	1.2	<0.2	<0.2	1.5	0.4	1.6	0.6	<0.2	0.6	1.0	<0.2	<0.2	<0.2	<0.2	<0.2
Maxim.	4	1865	559	9.30	2.7	1.1	0.7	2.0	3.6	2.5	0.8	1.1	3.7	0.7	5.8	1.7	<0.2	1.2	1.4	<0.2	<0.2	<0.2	<0.2	<0.2
St.dev	0.6	567	75	2.55	1.9	0.4	0.4	0.5	1.6	0.7	0.3	0.5	1.1	0.2	2.2	0.6	<0.2	0.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Pale gills will scarlet terminal parts

Tab.width cont'd GADU MOR, LI, J26, 30X West of Nesodden, 930314.

Samp/ Repl. no.	Sex	Age	Wght	Lngr	mm	Analytical Lab. :		NIVA		Σ(*)		NIVA		NIVA		NIVA		
						Code	Detection Limit	HCHA	HCHG	HC	HC	HC	HC	HC	HC	HC	HC	HC
01/0	M	3	788	410				340	340	!	!	340	340	340	340	340	340	340
02/0	M	3	737	435				5.00	5.00	!	!	5.00	5.00	5.00	5.00	5.00	5.00	5.00
03/0	M	4	819	440				H	H	Σ	Σ	H	H	H	H	H	H	H
04/0	M	3	817	440				ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
05/0	M	3	1006	450				w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
06/0	M	3	858	450				<5.00	5.00	<10.00	<10.00	12.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00
07/0	M	4	1084	470				6.00	10.00	16.00	16.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00
08/0	M	4	1102	480				<5.00	<5.00	<5.00	<5.00	11.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00
09/0	M	4	1036	480				6.00	10.00	16.00	16.00	20.00	20.00	<5.00	<5.00	<5.00	<5.00	<5.00
10/0	F	4	1312	490				<5.00	<5.00	<5.00	<5.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00
11/0	F	3	1166	500				<5.00	<5.00	<5.00	<5.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00
12/0	F	4	1295	545				<5.00	<5.00	<5.00	<5.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00
13/0	F	4	2228	580				<5.00	<5.00	<5.00	<5.00	11.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00
14/0	F	4	2438	590				<5.00	<5.00	<5.00	<5.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00
15/0	F	4	2543	620				<5.00	<5.00	<5.00	<5.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00
16/0	F	4	3155	680				<5.00	<5.00	<5.00	<5.00	16.00	16.00	<5.00	<5.00	<5.00	<5.00	<5.00
17/0	M	4	3559	680				<5.00	8.00	<13.00	<13.00	30.00	30.00	<5.00	<5.00	<5.00	<5.00	<5.00
18/0	F	6	2958	690				<5.00	<5.00	<5.00	<5.00	23.00	23.00	<5.00	<5.00	<5.00	<5.00	<5.00
19/0	F	8	3865	720				<5.00	<5.00	<5.00	<5.00	22.00	22.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean	4.0	1725	534					<<5.11	<<5.79	<<7.47	<<7.47	14.32	14.32	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00
Minim.	3	737	410					<5.00	<5.00	<5.00	<5.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.	8	3865	720					6.00	10.00	16.00	16.00	30.00	30.00	<5.00	<5.00	<5.00	<5.00	<5.00
St.dev	1.2	1045	101					~0.32	~1.65	~3.99	~3.99	6.18	6.18	~0.00	~0.00	~0.00	~0.00	~6.68
Count	19	19	19					19	19	19	19	19	19	19	19	19	19	19

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 03 : Skin with reddish film

Sample.No 04 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 08 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 09 : poorly developed roe mass

Sample.No 12 : Muscle with signs of inner bleeding

Sample.No 13 : Muscle with metacercariae of cf. Cryptocotyle lingua

Sample.No 14 : Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 18 : Liver and/or intestinal guts with larvae of Anisakis simplex

Muscle with signs of inner bleeding

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **30X West of Nesodden**, Latitude: 59°48.50N, Longitude: 10°36.00E.
 Catch, date : **930314**, Count: 19, Sample type: **Bulked**.
 Comment : Station name : West of Nesodden Extra cod station Caught by siene, 15-40m depth

Analytical Lab. : Analysis Code. : Detection Limit : Sample/ Sex Age Wght Lrgt Repl. F/M year g mm no.			NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309	
	Dry %	Fat %	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt
20/ 0 X 4	62.00	8.20	<0.2	2.8	1.9	0.6	0.5	2.0	7.3	1.9	0.4	<0.2	8.1	1.0	1.9	0.9	0.6	0.8	1.8	<0.2	0.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4
21/ 0 X 4	53.40	6.50	<0.2	2.9	2.3	0.6	0.6	2.1	3.2	2.1	0.4	<0.2	4.1	0.7	2.7	0.8	0.3	0.9	1.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	
22/ 0 X 5	61.00	8.60	<0.2	2.3	1.9	0.5	0.5	1.9	5.0	1.9	0.6	1.6	5.5	1.2	3.4	3.7	0.6	1.2	2.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	
Mean	58.80	7.77	<0.2	2.7	2.0	0.6	0.5	2.0	5.2	2.0	0.5	<0.7	5.9	1.0	2.7	1.8	0.5	1.0	1.7	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	
Minim.	53.40	6.50	<0.2	2.3	1.9	0.5	0.5	1.9	3.2	1.9	0.4	<0.2	4.1	0.7	1.9	0.8	0.3	0.8	1.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	
Maxim.	62.00	8.60	<0.2	2.9	2.3	0.6	0.6	2.1	7.3	2.1	0.6	1.6	8.1	1.2	3.4	3.7	0.6	1.2	2.1	<0.2	0.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	
St.dev	4.70	1.12	~0.0	0.3	0.2	0.1	0.1	0.1	2.1	0.1	0.1	~0.8	2.0	0.3	0.8	1.6	0.2	0.2	0.5	~0.0	0.3	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	~0.0	0.1	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Tab,width cont'd **GADU MOR, LI, J26, 30X West of Nesodden, 930314**.

Analytical Lab. : Analysis Code. : Detection Limit : Sample/ Sex Age Wght Lrgt Repl. F/M year g mm no.			NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309	
			ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt	ppb	W.Wt
20/ 0 X 4	1017	466	<0.2	0.4	<0.2	<0.2	<8.0	<26.4	<3.0	<34.2	<0.2	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
21/ 0 X 4	1688	541	<0.2	0.5	<0.2	<0.2	<8.7	<17.7	<1.9	<26.2	<0.2	<0.2	<0.2	<8.7	<27.8	<3.2	<34.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22/ 0 X 5	3216	678	<0.2	0.5	<0.2	<0.2	<7.3	<27.8	<3.2	<34.9	<0.2	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Mean	1974	562	<0.2	0.5	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Minim.	1017	466	<0.2	0.4	<0.2	<0.2	<7.3	<17.7	<1.9	<26.2	<0.2	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Maxim.	3216	678	<0.2	0.5	<0.2	<0.2	<8.7	<27.8	<3.2	<34.9	<0.2	<0.2	<0.2	<8.7	<27.8	<3.2	<34.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
St.dev	0.6	1127	108	~0.0	0.1	~0.0	~0.7	~5.5	~0.7	~4.8	<0.2	<0.2	<0.2	<8.0	<24.0	<2.7	<31.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 20 : Bulk of NIVA nos.:5,6,7,8,9
 Sample.No 21 : Bulk of NIVA nos.:10,11,12,13,14
 Sample.No 22 : Bulk of NIVA nos.:15,16,17,18,19

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **31B Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch, date : **811223**, Count: 10, Sample type: **Individual**.

Analytical Lab. :		SIIF		SIIF		SIIF				
Analysis Code. :		130	120	120	110					
Detection Limit :		0.010		0.010		0.010				
Samp/	Sex	Dry	Fat	Cd	Hg	P	CB			
Repl.	F/M	Wght	%	ppm	ppm	ppm	ppm			
no.	Year	g	%	w.wt	w.wt	w.wt	w.wt			
01/ 0	M	3	2160	630	60.0	70.60	63.80	0.047	0.030	8.900
02/ 0	X	1	430	340	11.0	55.60	41.50	0.048	.	2.900
03/ 0	F	1	510	370	9.0	45.80	20.70	0.252	.	4.500
04/ 0	F	1	210	280	4.0	43.30	13.30	0.202	.	0.640
05/ 0	X	1	155	280	0.2	30.80	.	0.338	.	.
06/ 0	M	3	1350	520	50.0	63.60	51.10	0.049	0.030	3.800
07/ 0	F	2	1150	490	27.0	50.00	16.20	0.064	0.041	1.200
08/ 0	M	2	1540	530	61.0	65.70	55.40	0.064	<.020	3.400
09/ 0	F	3	1540	590	31.0	51.10	41.00	0.054	0.069	3.900
10/ 0	F	1	520	370	12.0	49.90	47.70	0.027	.	6.400
Mean	1.8	957	440		26.5	52.64	38.97	0.115	<.038	3.960
Minim.	1	155	280		0.2	30.80	13.30	0.027	<.020	0.640
Maxim.	3	2160	630		61.0	70.60	63.80	0.338	0.069	8.900
St.dev	0.9	682	128		23.2	11.78	18.14	0.109	~.019	2.519
Count	10	10	10		10	10	9	10	5	9

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **31B Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch date : **821200**, Count: 27, Sample type: **Individual**.
 Comment : **SAMPLING DATES: I01-15 : 821020; I16-22 : 821105; I23-24 : 821215; I25-27 : 830223**

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Analytical Lab. :	Analysis Code. :	Detection Limit :	Dry		Fat		VETN		VETN		VETN		VETN		Σ(*)	
									g	%	ppm	w.wt	ppm	w.wt	ppm	w.wt	ppm	w.wt	ppm	w.wt	ppm	w.wt
01/ 0	F	2	640	400					56.00	47.00	0.040	<.010	1.260	2.100	130.00	130.00						
02/ 0	M	1	530	380					61.00	55.00	0.040	<.010	1.230	1.300	110.00	110.00						
03/ 0	M	2	710	420					57.00	55.00	0.020	<.010	1.210	2.100	160.00	160.00						
04/ 0	F	2	760	420					62.00	57.00	0.020	0.040	1.400	1.800	170.00	170.00						
05/ 0	M	2	740	420					51.00	59.00	0.040	<.010	1.240	2.100	170.00	170.00						
06/ 0	F	2	790	440					60.00	62.00	0.020	0.020	1.210	1.600	160.00	160.00						
07/ 0	M	2	710	440					51.00	54.00	0.040	0.040	1.160	4.400	370.00	370.00						
08/ 0	M	2	900	450					61.00	59.00	0.020	0.030	1.120	2.000	170.00	170.00						
09/ 0	M	2	840	440					62.00	67.00	0.040	0.010	1.480	1.400	140.00	140.00						
10/ 0	F	2	730	430					62.00	64.00	0.030	0.030	1.170	1.500	120.00	120.00						
11/ 0	F	2	1140	510					50.00	44.00	0.020	0.050	1.370	4.700	350.00	350.00						
12/ 0	F	2	1020	480					46.00	35.00	0.080	0.040	0.950	3.400	320.00	320.00						
13/ 0	M	2	1070	510					50.00	47.00	0.070	0.040	1.340	7.600	740.00	740.00						
14/ 0	F	2	990	490					57.00	68.00	0.110	0.050	1.600	3.800	750.00	750.00						
15/ 0	F	2	1270	530					51.00	40.00	0.040	0.090	1.150	5.400	520.00	520.00						
16/ 0	F	2	904	410					52.00	39.00	0.040	0.040	1.770	2.000	180.00	180.00						
17/ 0	M	4	1717	580					64.00	35.00	0.040	0.050	1.430	3.900	370.00	370.00						
18/ 0	M	3	1678	610					67.00	25.00	0.060	0.130	1.130	2.100	160.00	160.00						
19/ 0	F	2	817	460					39.00	23.00	0.100	0.070	1.980	5.100	390.00	390.00						
20/ 0	F	3	2252	630					62.00	28.00	0.040	0.160	1.840	7.700	660.00	660.00						
21/ 0	F	3	1359	580					46.00	37.00	0.170	0.100	1.720	11.000	860.00	860.00						
22/ 0	X	64								45.00	0.020	0.050		0.940	70.00	70.00						
23/ 0	M	3	3711	750					63.00	58.00	0.020	<.010	1.420	2.800	300.00	300.00						
24/ 0	M	3	1750	600					60.00	47.00	0.030	0.050	1.730	7.500	550.00	550.00						
25/ 0	F	5	3500	740					54.00	39.00	0.130	0.250	1.550	12.000	1220.00	1220.00						
26/ 0	F	3	2640	690					55.00	57.00	0.040	0.130	1.730	7.100	690.00	690.00						
27/ 0	F	3	2290	690					54.00	36.00	0.060	0.150	3.020	6.600	700.00	700.00						
Mean		2.4	1316	519					55.88	47.48	0.051	<.062	1.470	4.220	390.00	390.00						
Minim.		1	64	380					39.00	23.00	0.020	<.010	0.950	0.940	70.00	70.00						
Maxim.		5	3711	750					67.00	68.00	0.170	0.250	3.020	12.000	1220.00	1220.00						
St.dev		0.8	884	111					6.70	12.79	0.037	~.058	0.411	3.009	291.59	291.59						
Count		26	27	26					18	26	27	27	26	27	27	27						

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **811229**, Count: 10, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	Year	g	mm	Lngt	Dry		Fat		SIIF		SIIF		SIIF	
							g	%	g	%	ppm	w.wt	ppm	w.wt	ppm	w.wt
01/	0	M	2	1200	520		19.0	41.10	23.30	0.116	0.070	0.070	4.800			
02/	0	F	2	1180	500		18.0	52.20	28.20	0.095	0.071	0.071	1.600			
03/	0	F	2	1210	500		16.0	49.80	38.40	0.125	0.067	0.067	3.300			
04/	0	F	2	1460	530		14.0	27.60	5.40	0.106	0.138	0.138	2.300			
05/	0	M	2	840	460		19.0	55.90	41.90	0.064	0.056	0.056	1.100			
06/	0	F	2	1260	520		25.0	51.40	37.90	0.040	0.038	0.038	2.400			
07/	0	F	2	1080	490		27.0	60.30	48.40	0.042	0.030	0.030	1.800			
08/	0	F	2	1710	580		37.0	61.10	49.90	0.033	0.073	0.073	5.100			
09/	0	F	2	1260	520		24.0	56.60	42.60	0.056	0.141	0.141	2.900			
10/	0	F	2	1080	490		29.0	62.70	49.00	0.302	0.048	0.048	1.600			
Mean			2.0	1228	511		22.8	51.87	36.50	0.098	0.073	0.073	2.690			
Minim.			2	840	460		14.0	27.60	5.40	0.033	0.030	0.030	1.100			
Maxim.			2	1710	580		37.0	62.70	49.90	0.302	0.141	0.141	5.100			
St.dev			0.0	232	32		7.0	10.66	13.98	0.079	0.038	0.038	1.358			
Count			10	10	10		10	10	10	10	10	10	10			

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Farder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **821200**, Count: 27, Sample type: **Individual**.
 Comment : **SAMPLING DATES: I01-05, I09-12, I15-20, I23-27 : 830202; I06-08, I13-14, I21-22 : 830301**

Samp/ Repl. no.	Sex	Age	Wght	Lngr	mm	Dry %	Fat %	VETN		VETN		VETN		VETN		VETN		Σ(*)	
								Cd ppm	w.wt	Hg ppm	w.wt	Se ppm	w.wt	PCB ppm	w.wt	DD ppm	w.wt		Σ4 ppb	w.wt
01/0	X	1	600	390		41.00	22.00	0.040	0.040			1.100	60.00			60.00			60.00
02/0	M	2	460	370			21.00	0.130				0.790	<50.00			<50.00			<50.00
03/0	M	1	480	370			20.00	0.060	0.140			1.800	150.00			150.00			150.00
04/0	M	1	600	390			19.00	0.050	0.010	2.080		0.950	70.00			70.00			70.00
05/0	F	2	670	430		28.00	13.00	0.110	<0.010			0.520	<50.00			<50.00			<50.00
06/0	M	3	910	460			38.00	0.150	0.130	2.060		1.600	100.00			100.00			100.00
07/0	F	2	720	440			27.00	0.140				0.760	50.00			50.00			50.00
08/0	F	2	1020	470		37.00	35.00	0.060	0.100	1.470		2.300	240.00			240.00			240.00
09/0	M	1	780	440		62.00	53.00	0.040	0.040	0.880		2.700	230.00			230.00			230.00
10/0	F	3	1110	500		36.00	20.00	0.120	0.130	1.940		3.900	300.00			300.00			300.00
11/0	F	3	1090	500		35.00	22.00	0.080	0.050	1.750		3.100	270.00			270.00			270.00
12/0	M	2	1080	480		35.00	77.00	0.060	0.100	1.690		2.000	110.00			110.00			110.00
13/0	F	3	1230	530			7.00	0.140	0.150			1.100	80.00			80.00			80.00
14/0	M	2	1040	500		33.00	34.00	0.070	0.100	1.620		2.600	190.00			190.00			190.00
15/0	F	3	1790	590		46.00	69.00	0.060	0.120	1.400		4.500	320.00			320.00			320.00
16/0	F	2	1720	560		52.00	41.00	0.040	0.080	0.870		1.700	130.00			130.00			130.00
17/0	F	3	1590	580		46.00	39.00	0.080	0.080	1.490		3.700	310.00			310.00			310.00
18/0	F	3	2090	580		46.00	33.00	0.050	0.090	0.940		2.100	180.00			180.00			180.00
19/0	F	3	1900	610		29.00	12.00	0.130	0.110	1.920		4.400	370.00			370.00			370.00
20/0	F	3	2410	650		54.00	52.00	0.010	0.030	1.000		2.300	220.00			220.00			220.00
21/0	F	4	2610	670		19.00	11.00	0.210	0.180	2.600		2.100	160.00			160.00			160.00
22/0	F	3	3350	690		52.00	55.00	0.040	0.200	1.740		4.600	390.00			390.00			390.00
23/0	M	3	3680	720		56.00	51.00	0.050	0.110	2.310		3.100	350.00			350.00			350.00
24/0	M	3	2700	660		53.00	51.00	0.030	0.070	0.930		3.000	260.00			260.00			260.00
25/0	F	3	2700	670		56.00	49.00	0.030	0.090	1.920		2.600	290.00			290.00			290.00
26/0	F	5	3400	770		43.00	32.00	0.120	0.140	1.470		9.100	960.00			960.00			960.00
27/0	M	1	430	350				0.130											
Mean		2.5	1561	532		42.95	34.73	0.083	<0.096	1.604		2.632	<226.54			<226.54			<226.54
Minim.		1	430	350		19.00	7.00	0.010	<0.010	0.870		0.520	<50.00			<50.00			<50.00
Maxim.		5	3680	770		62.00	77.00	0.210	0.200	2.600		9.100	960.00			960.00			960.00
St.dev		1.0	987	119		11.29	18.32	0.048	~0.050	0.497		1.770	~184.26			~184.26			~184.26
Count		27	27	27		20	26	27	24	20		26	26			26			26

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Farder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **831201**, Count: 23, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	F/M	year	g	mm	Analytical Lab. :	Analysis Code. :	Detection Limit :	Weight	g	Dry	%	Fat	%	VETIN		VETIN		Σ (*)		VETIN	
																Cd	ppm	P	CB	D	DE	PP	ppb	w.wt	H	CB	ppb	w.wt
01/	0	F	8	7330	1000					163.3	43.40	41.00	0.160	14.200	0.810	0.010	0.050	50.00	1090.00	1090.00	1090.00	130.00	130.00
02/	0	F	2	710	390					4.6	27.00	3.80	0.680	0.810	0.810	0.010	0.050	50.00	60.00	60.00	60.00	<10.00	<10.00
03/	0	F	3	5000	760					140.0	35.90	53.00	0.030	1.700	1.700	0.010	0.050	50.00	190.00	190.00	190.00	50.00	50.00
04/	0	M	2	540	370					4.1		2.40	0.250	0.470	0.470	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
05/	0	F	2	500	380					3.9	40.10	1.70	0.240	0.250	0.250	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
06/	0	M	2	1400	520					19.7	26.50	8.40	0.400	0.680	0.680	0.010	0.050	50.00	60.00	60.00	60.00	10.00	10.00
07/	0	F	2	730	420					10.2	50.20	40.00	0.310	3.000	3.000	0.010	0.050	50.00	180.00	180.00	180.00	40.00	40.00
08/	0	F	2	795	440					8.1	30.90	1.40	0.230	0.640	0.640	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
09/	0	F	3	1620	580					9.0	26.30	3.80	0.210	0.990	0.990	0.010	0.050	50.00	70.00	70.00	70.00	<10.00	<10.00
10/	0	F	2	550	360					5.7	22.70	1.40	0.090	0.070	0.070	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
11/	0	M	2	1270	500					36.0	25.10	48.00	0.040	1.800	1.800	0.010	0.050	50.00	130.00	130.00	130.00	50.00	50.00
12/	0	F	2	1240	480					8.2	42.00	7.00	0.120	1.100	1.100	0.010	0.050	50.00	70.00	70.00	70.00	<10.00	<10.00
13/	0	M	4	3040	700					19.9	25.80	2.60	0.330	1.100	1.100	0.010	0.050	50.00	60.00	60.00	60.00	<10.00	<10.00
14/	0	F	3	3050	580					42.2	51.90	52.00	0.040	4.300	4.300	0.010	0.050	50.00	310.00	310.00	310.00	60.00	60.00
15/	0	F	2	320	330					2.9		2.80	0.230	0.260	0.260	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
16/	0	M	4	2470	640					37.7	47.00	47.00	0.130	4.500	4.500	0.010	0.050	50.00	530.00	530.00	530.00	70.00	70.00
17/	0	F	1	600	400					5.4	26.10	4.70	0.110	0.320	0.320	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
18/	0	F	3	1040	480					18.3	26.80	3.10	0.420	0.190	0.190	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
19/	0	M	2	710	420					6.2	25.60	2.80	0.260	0.380	0.380	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
20/	0	F	3	1620	700					23.3	45.60	40.00	0.100	3.100	3.100	0.010	0.050	50.00	260.00	260.00	260.00	40.00	40.00
21/	0	F	2	650	490					5.8	24.40	7.10	0.220	1.800	1.800	0.010	0.050	50.00	170.00	170.00	170.00	10.00	10.00
22/	0	M	1	650	420					17.2	54.10	52.00	0.060	1.400	1.400	0.010	0.050	50.00	80.00	80.00	80.00	40.00	40.00
23/	0	M	2	500	380					6.4	29.10	4.10	0.360	0.220	0.220	0.010	0.050	50.00	<50.00	<50.00	<50.00	<10.00	<10.00
Mean			2.6	1580	510					26.0	34.60	18.70	0.218	1.882	1.882	<<161.30	<<161.30	<<161.30	<<161.30	<<161.30	<<161.30	<<27.39	<<27.39
Minim.			1	320	330					2.9	22.70	1.40	0.030	0.070	0.070	<50.00	<50.00	<50.00	<50.00	<50.00	<50.00	<10.00	<10.00
Maxim.			8	7330	1000					163.3	54.10	53.00	0.680	14.200	14.200	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	130.00	130.00
St.dev			1.4	1679	161					41.4	10.55	21.16	0.154	2.973	2.973	~233.36	~233.36	~233.36	~233.36	~233.36	~233.36	~29.73	~29.73
Count			23	23	23					23	21	23	23	23	23	23	23	23	23	23	23	23	23

Sample.No 01 : A necrotic part on the forehead (ca 1 cm diameter). Some parasites Caligus diaphanus at the skin.

Sample.No 03 : Some Anisakis larvae in the liver.

Sample.No 06 : Some Anisakis larvae at the liver surface.

Sample.No 14 : Some Anisakis larvae at the liver surface.

Sample.No 16 : Some Anisakis larvae at the liver surface.

Sample.No 19 : A scar at the basis of the mid-dorsal fin, with some (1 cm dia) brownish-red muscle underneath.

Sample.No 20 : A few Anisakis larvae and mis-colored parts of the liver.

Sample.No 21 : A copepod Lernaeocera branchialis at the gills.

Sample.No 22 : A few Anisakis larvae at the liver surface.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch, date : **851216**, Count: 14, Sample type: **Individual**.
 Comment : All samples were infected with metacercari of Cryptocotyle lingua. on skin tissue Otoliths from all samples (for age determin.) lost in mail.

Rep/ no.	F/M	year	g	mm	Analytical Lab. :	VEITN		VEITN		VEITN		Σ(*)		VEITN		
						230	210	0.010	0.050	210	210	!	!	210	210	
Mean	Weight	Dry	Fat	g	g	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sex	Age	Wght	Ingt	mm	Detection Limit :	Cd	PcB	DDEPP	DD_Σ4	HCB	HCB	HCB	HCB	HCB	HCB	HCB
01/	0	M	1237	530		0.050	5.700	760.00	760.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
02/	0	F	1774	560		0.020	3.200	260.00	260.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
03/	0	F	1056	490		0.290	2.400	200.00	200.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
04/	0	F	636	410		0.080	1.200	100.00	100.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00
05/	0	M	627	420		0.080	1.200	50.00	50.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00
06/	0	M	1797	560		0.040	1.600	170.00	170.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
07/	0	F	3460	730		0.030	2.500	230.00	230.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
08/	0	F	2884	690		0.070	2.500	250.00	250.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
09/	0	M	1517	530		0.050	3.000	250.00	250.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
10/	0	M	1220	490		0.030	2.300	250.00	250.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
11/	0	F	2578	630		0.010	2.400	260.00	260.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
12/	0	F	2032	610		0.040	7.200	640.00	640.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
13/	0	M	1488	550		0.060	3.200	320.00	320.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
14/	0	F	1837	580		0.100	3.000	350.00	350.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Mean			1725	556		0.068	2.957	292.14	292.14	<42.86	<42.86	<42.86	<42.86	<42.86	<42.86	<42.86
Minim.			627	410		0.010	1.200	50.00	50.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Maxim.			3460	730		0.290	7.200	760.00	760.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00	<100.00
St.dev			815	91		0.069	1.644	191.00	191.00	~26.73	~26.73	~26.73	~26.73	~26.73	~26.73	~26.73
Count			14	14		14	14	14	14	14	14	14	14	14	14	14

Sample.No 06 : Surface of liver with a few Anisakis larvae
 Sample.No 10 : Surface of liver with a few Anisakis larvae

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Færder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **870204**, Count: 25, Sample type: **Individual**.
 Comment : Extremely cold and stormy conditions Nov.'86 prohibited fishing for local cod (<50m depth). Color can be used to help distinguish between local and other cod.

Analytical Lab. Code	Sex	Age	Wght	Lght	mm	NIVA		NIVA		NIVA		NACE		NACE		NACE		NACE	
						312	311	312	311	510	510	510	510	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)
Mean	Dry	Fat	g	g	mm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Weight	Dry	Fat	g	g	mm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Repl. no.	F/M	year	g	mm	mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/0	F	2	1520	520		0.250	75.900	1.290	175.00	0.600	60.00	40.00	100.00	70.00	70.00	30.00	30.00	3.200	
02/0	F	2	2200	610		0.240	44.800	0.690	102.00	1.300	180.00	90.00	270.00	30.00	<30.00	<10.00	<0.800		
03/1	M	4	3400	650		0.200	35.800	0.480	76.80	1.830	220.00	<40.00	<260.00	60.00	60.00	30.00	3.100		
03/2	M	3	4050	695		0.250	30.000	0.420	84.00										
04/0	F	1	3650	675		0.160	26.400	0.450	89.70	2.680	700.00	260.00	960.00	100.00	100.00	50.00	3.400		
05/0	F	1	840	435		0.330	31.800	0.950	159.00	0.140	190.00	40.00	230.00	50.00	30.00	4.100			
06/0	F	1	880	460		0.630	47.400	1.070	152.00	0.110	20.00	<40.00	<60.00	<30.00	10.00	2.900			
07/0	F	1	1160	490		0.430	32.300	0.650	108.00	0.500	<20.00	<40.00	<40.00	50.00	40.00	<0.800			
08/0	F	2	1620	570		0.760	67.200	1.270	173.00	0.180	40.00	40.00	<80.00	<30.00	<10.00	1.400			
09/0	M	2	1620	570		0.380	69.800	1.020	140.00	1.080	170.00	<40.00	<210.00	<30.00	<10.00	1.500			
10/1	M	3	2150	605		0.170	33.400	1.290	87.60										
10/2	M	3	2000	585		0.120	20.700	0.630	57.40	3.010	570.00	200.00	770.00	<30.00	<30.00	30.00	4.700		
11/0	M	3	2050	610		0.570	34.900	0.890	133.00	0.440	40.00	<40.00	<80.00	60.00	60.00	30.00	1.800		
12/0	F	3	1185	515		0.230	64.000	1.170	175.00	0.800	110.00	110.00	<150.00	<30.00	<30.00	<0.800			
13/0	F	2	1445	530		0.200	35.200	0.910	117.00	1.000	90.00	<40.00	<130.00	<30.00	<10.00	2.000			
14/0	F	2	1445	530		0.230	35.200	0.910	117.00										
15/0	M	1	1130	485		0.100	15.100	0.480	47.90	0.540	80.00	<40.00	<120.00	50.00	50.00	40.00	2.300		
16/0	X	1	605	430		0.650	30.400	1.000	152.00	0.220	40.00	<40.00	<80.00	<10.00	<10.00	2.100			
17/0	F	1	750	440		0.130	15.699	1.570	41.90	6.770	1260.00	320.00	1580.00	270.00	270.00	80.00	<0.800		
18/0	M	1	602	395		0.170	18.000	0.310	57.60	0.690	100.00	50.00	150.00	<30.00	<30.00	40.00	9.600		
19/0	X	1	820	460		0.390	36.400	1.040	124.00	0.340	20.00	<40.00	<60.00	<30.00	<30.00	30.00	3.100		
20/0	F	1	820	460		0.090	77.900	1.230	432.00	0.460	80.00	<40.00	<120.00	50.00	50.00	30.00	1.300		
21/0	F	2	700	405		0.160	32.100	0.400	65.70	1.940	540.00	110.00	650.00	200.00	200.00	70.00	<0.800		
22/0	F	1	455	360		0.250	21.000	0.840	62.90	0.960	80.00	<40.00	<120.00	50.00	50.00	40.00	3.300		
23/0	F	1	330	330		0.250	24.100	1.060	106.00	0.240	20.00	<40.00	<60.00	<30.00	<30.00	10.00	3.800		
24/0	M	1	300	315		2.260	26.400	1.020	120.00	0.590	60.00	<40.00	<100.00	<30.00	<30.00	20.00	0.800		
25/0	F	1	240	300		0.230	34.600	0.810	109.00	0.290	20.00	<40.00	<60.00	90.00	90.00	40.00	1.400		
Mean		1.8	1389	491		0.487	36.524	0.869	120.13	1.140	<189.20	<<71.60	<<260.00	<<58.80	<<58.80	<28.00	<2.424		
Minim.		1	240	300		0.070	15.100	0.310	41.90	0.110	<20.00	<40.00	<40.00	<10.00	<10.00	<0.800			
Maxim.		4	4050	695		2.260	77.900	1.570	432.00	6.770	1260.00	320.00	1580.00	270.00	270.00	80.00	9.600		
St.dev		0.9	1053	113		0.510	18.242	0.335	77.36	1.412	289.31	74.98	361.99	57.76	57.76	~19.36	~1.917		
Count		23	25	25		25	25	25	25	25	25	25	25	25	25	25	25	25	25

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 03 : LIVER : Liver with signs of inner bleeding.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver surface with some cf. Anisakis larvae.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 08 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue: **LIVER**.
 Locality : **368 Færder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch, date : **880105**, Count: 25, Sample type: **Individual**.

Sample/ Repl. no.	F/M	Year	g	mm	Dry %		Fat %	NIVA		NIVA		NIVA		NACE		NACE		Σ(*)		Σ(*)		NACE		
					%	%		ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt
01/0	M	2	876	445			16.90	0.170	25.000	0.450	120.00	0.510	90.00	80.00	170.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	7.920
02/0	F	2	852	470			1.00	0.180	73.600	0.740	308.00	0.080	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	2.750
03/0	F	2	1000	460			44.20	0.120	49.100	0.280	137.00	0.830	130.00	40.00	<170.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	1.080
04/0	F	2	1000	460			41.10	0.170	55.300	0.470	180.00	0.440	60.00	140.00	200.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	2.280
05/0	F	2	694	445			40.69	0.290	90.500	0.600	181.00	2.440	370.00	<40.00	<410.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	<0.800
06/0	F	2	591	400			27.00	0.100	50.000	1.180	260.00	<0.040	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
07/0	F	2	698	430			26.40	0.700	82.600	0.970	220.00	0.570	80.00	220.00	300.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	1.400
08/0	F	2	795	450			42.40	0.070	26.600	0.440	152.00	0.830	100.00	60.00	160.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
09/0	F	2	1098	480			46.40	0.310	31.600	0.340	169.00	3.100	280.00	140.00	420.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	13.200
10/0	F	2	626	400			66.20	<0.050	43.600	<2.70	70.80	0.870	150.00	90.00	240.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	11.060
11/0	F	2	708	465			46.40	0.160	90.800	0.220	156.00	0.900	80.00	80.00	210.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	<0.800
12/0	F	2	727	410			48.00	0.070	28.300	0.370	137.00	0.060	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.250
13/0	M	2	727	465			23.80	1.200	890.000	1.630	326.00	0.270	40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	7.660
14/0	M	2	901	465			44.30	0.180	71.400	0.270	163.00	1.420	210.00	<40.00	<250.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	13.000
15/0	M	2	744	420			30.80	0.150	11.000	0.290	135.00	0.400	60.00	70.00	130.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
16/0	M	2	791	445			21.00	6.800	400.000	0.920	292.00	0.730	90.00	980.00	1070.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	19.600
17/0	F	2	624	420			26.70	0.300	82.600	0.790	356.00	0.070	<40.00	60.00	100.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
18/0	F	2	588	395			54.90	0.070	31.100	0.270	109.00	0.340	50.00	90.00	140.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	<0.800
19/0	F	2	1158	490			49.60	<0.040	44.700	0.240	134.00	0.690	110.00	<40.00	<150.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	3.920
20/0	F	2	604	410			73.00	<0.040	7.849	0.200	40.50	0.790	60.00	70.00	130.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
21/0	F	1	557	400			57.80	<0.030	40.600	<1.170	91.30	0.450	80.00	90.00	170.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
22/0	M	2	532	400			31.90	0.250	40.500	0.320	162.00	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss
23/0	F	2	605	405			53.80	0.090	15.900	<2.70	81.10	1.040	210.00	220.00	430.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	<0.800	
24/0	F	2	636	405			51.20	0.050	33.400	0.210	83.60	0.960	160.00	170.00	330.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	<0.800	
25/0	F	2	507	380			50.10	0.070	14.300	<2.210	119.00	0.070	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	7.920
Mean		2.0	759	433			43.33	<2.210	49.314	<4.85	167.33	<0.746	<110.83	<<121.67	<<225.83	<<40.42	<<40.42	<<40.42	<<40.42	<<40.42	<<40.42	<<40.42	<<40.42	<<4.368
Minim.		1	507	380			21.00	<0.030	7.849	<1.70	40.50	<0.040	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<0.800
Maxim.		2	1158	490			73.00	0.890	120.000	1.630	356.00	3.100	370.00	980.00	1070.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	19.600
St.dev		0.2	181	31			13.23	0.217	29.463	0.364	83.12	0.727	84.59	190.94	215.12	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	5.243
Count		25	25	25			24	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24

miss(6)
 Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 LIVER : Liver with light green stripes
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua. Edge of tail-fin worn.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 LIVER : Liver unevenly colored.
 Sample.No 09 :
 LIVER : Liver unevenly colored.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 22 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 24 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 Skin with lesions. Fins distinctly worn.
 Edge of tail-fin worn.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch, date : **881213**, Count: 25, Sample type: **Individual**.

. . .	Analytical Lab. :		NIVA		NIVA		NIVA		NACE		NACE		Σ (*)		NACE		Σ (*)		NACE		
	Analysis Code. :	Detection Limit :	312	311	312	311	510	510	510	510	510	510	!	!	510	510	!	!	510	510	
Repl. no.	F/M	year	g	mm	Fat %	Dry %	Cd ppm	Cu ppm	Pb ppm	Zn ppm	PCB ppm	DDEPP ppm	DD Σ 4 ppm	HCHG ppm	HC Σ 2 ppm	HCB ppm	EPOCL ppm	ppb	ppb	ppb	
Weight	g						d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	
01/0	F	4	866	470	27.40	44.40	0.080	13.100	<.210	87.10	2.220	200.00	260.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.410
02/0	F	4	1521	560	19.40	39.20	0.060	32.400	0.360	90.60	1.670	90.00	<130.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.650
03/0	F	3	1846	590	42.60	54.70	0.050	9.810	<.120	52.40	4.390	280.00	360.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	19.900
04/0	F	3	1328	530	51.30	63.60	<.030	6.910	<.140	42.50	2.770	240.00	290.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.050
05/0	M	4	1977	605	15.00	33.70	0.130	12.000	0.300	114.00	2.420	220.00	<260.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	5.560
06/0	M	3	3080	695	39.50	53.60	<.350	32.800	<.170	52.40	3.500	290.00	360.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	18.100
07/0	F	3	1172	485	64.10	67.00	0.030	7.990	<.140	47.30	2.540	210.00	340.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	7.250
08/0	M	4	1327	510	44.00	56.20	0.040	12.400	<.140	53.00	2.630	170.00	<210.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	35.600
09/0	M	3	825	465	2.50	22.50	0.500	93.000	0.830	211.00	0.800	60.00	<100.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	26.600
10/0	F	1	652	400	22.70	39.00	0.120	30.900	0.310	69.00	1.880	100.00	<140.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.440
11/0	F	4	1055	480	52.50	60.70	0.030	11.500	0.140	54.80	3.450	370.00	<410.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	6.730
12/0	F	1	429	365	27.40	27.40	0.240	16.300	0.520	144.00	1.450	50.00	<90.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	33.500
13/0	M	2	1168	505	54.30	64.20	0.050	15.100	0.150	47.80	3.070	310.00	400.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	6.670
14/0	F	2	1016	490	17.70	36.30	0.190	49.200	0.200	115.00	2.020	100.00	<140.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	12.700
15/0	F	2	1180	490	44.00	53.10	0.030	19.600	0.130	53.20	3.170	230.00	300.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	9.330
16/0	F	3	1642	580	1.30	26.70	0.130	46.300	0.520	153.00	0.680	50.00	<90.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	30.300
17/0	M	3	829	435	57.40	63.40	<.030	9.840	<.160	40.60	2.070	120.00	<160.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	24.900
18/0	F	4	2181	595	39.10	53.60	0.040	6.690	<.140	71.80	4.840	410.00	460.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	27.600
19/0	M	6	3330	720	20.90	37.40	0.130	44.600	0.200	106.00	8.910	430.00	<470.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	15.800
20/0	M	5	3059	695	42.40	66.80	0.030	37.600	<.120	53.00	3.470	200.00	<240.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	48.300
21/0	F	4	1424	540	23.10	26.10	1.330	143.000	0.340	211.00	1.710	100.00	<140.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	17.200
22/0	F	4	2447	635	15.40	34.40	0.060	68.100	0.210	130.00	2.060	110.00	<150.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	5.000
23/0	F	3	1147	490	50.50	68.50	0.020	7.090	0.080	48.40	3.520	320.00	<360.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	24.300
24/0	F	4	752	450	34.20	40.80	0.110	16.400	0.200	105.00	5.400	590.00	720.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	11.900
25/0	F	1	503	360	23.00	39.30	0.080	5.530	0.160	84.90	1.560	70.00	<110.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.460
Mean		3.2	1470	526	32.55	46.90	<.156	29.926	<.240	89.51	2.888	212.80	<<267.60	<<40.00	<<40.00	<<40.00	<<40.00	<<40.00	<<40.00	<<40.00	16.290
Minim.		1	429	360	1.30	22.50	0.020	5.530	0.080	40.60	0.680	50.00	<90.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.460
Maxim.		6	3330	720	64.10	68.50	1.330	143.000	0.830	211.00	8.910	590.00	720.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	48.300
St. dev		1.2	808	97	17.75	14.66	~.269	31.998	~.169	49.35	1.709	137.98	~153.60	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	12.289
Count		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

Sample.No 03 : Worm tissue between bone structure of tailfin
 Sample.No 04 : Lesion (0.5-1.0cm) 2-3cm posterior to anal pore
 Sample.No 05 : Worm tissue between bone structure on tailfin
 Sample.No 15 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 Sample.No 18 :
 LIVER : 2 partitions on liver
 Sample.No 24 :
 LIVER : PCB, DDEPP, HCHG and HCB values are mean of two analyses.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36B Færder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch, date : **891201**, Count: 25, Sample type: **Individual**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. / M year g mm no.	Fat %		Dry %		NIVA		NIVA		NIVA		NACE		NACE		ΣK(*)		NACE		ΣK(*)		NACE		ΣK(*)		
	Mean	g	%	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	510	ppb	W.Wt	510	ppb	W.Wt	miss	510	ppb	W.Wt	miss	510	ppb	W.Wt
01/0 F	1	2180	595	0.040	21.200	0.240	47.80	2.050	s280.00	s380.00	s70.00	s260.00	s440.00	s300.00	s1530.0	s1530.0	s300.00	s1530.0	s300.00	s1530.0	s1530.0	40.00	40.00	40.00	
02/0 F	1	1177	500	0.050	50.000	0.330	10.70	0.830	s220.00	s420.00	s40.00	s180.00	s180.00	s20.00	s1090.0	s1090.0	s110.00	s1090.0	s110.00	s1090.0	s1090.0	50.00	50.00	50.00	
03/0 F	1	643	430	0.310	39.800	0.680	163.00	3.410	s530.00	s750.00	s110.00	s550.00	s730.00	s230.00	s3190.0	s3190.0	s730.00	s3190.0	s730.00	s3190.0	s3190.0	120.00	120.00	120.00	
04/0 M	1	1463	535	0.040	16.400	0.160	45.20	9.110	s740.00	s1860.00	s700.00	s630.00	s1830.00	s460.00	s8180.0	s8180.0	s460.00	s8180.0	s460.00	s8180.0	s8180.0	180.00	180.00	180.00	
05/0 M	4	1641	595	0.020	10.300	0.120	24.00	1.990	s110.00	s320.00	s160.00	s60.00	s350.00	s90.00	s1520.0	s1520.0	s90.00	s1520.0	s90.00	s1520.0	s1520.0	70.00	70.00	70.00	
06/0 F	1	697	420	0.050	24.800	0.290	87.90	1.060	s20.00	s290.00	s90.00	s50.00	s170.00	s230.00	s40.00	s870.0	s20.00	s40.00	s870.0	s20.00	s40.00	50.00	50.00	50.00	
07/0 F	1	456	355	0.410	76.700	0.720	167.00	2.070	s30.00	s110.00	s120.00	s100.00	s330.00	s440.00	s1220.0	s1220.0	s90.00	s1220.0	s90.00	s1220.0	s1220.0	130.00	130.00	130.00	
08/0 M	1	655	400	0.050	12.300	0.220	64.00	8.860	s450.00	s2470.00	s510.00	s520.00	s1620.00	s410.00	s7890.0	s7890.0	s410.00	s7890.0	s410.00	s7890.0	s7890.0	110.00	110.00	110.00	
09/0 M	4	2162	555	0.050	18.500	0.130	34.30	2.640	s20.00	s520.00	s130.00	s120.00	s430.00	s570.00	s1900.0	s1900.0	s110.00	s1900.0	s110.00	s1900.0	s1900.0	80.00	80.00	80.00	
10/0 F	2	941	460	0.140	55.600	0.700	174.00	2.890	s430.00	s950.00	s170.00	s110.00	s510.00	s620.00	s2910.0	s2910.0	s120.00	s2910.0	s120.00	s2910.0	s2910.0	110.00	110.00	110.00	
11/0 F	2	1205	515	0.050	23.700	0.210	38.50	0.220	s20.00	s50.00	s20.00	s30.00	s50.00	s20.00	s150.0	s150.0	s20.00	s150.0	s20.00	s150.0	s150.0	20.00	20.00	20.00	
12/0 F	1	1325	520	0.050	16.000	0.180	41.00	0.310	s20.00	s60.00	s20.00	s20.00	s50.00	s70.00	s240.0	s240.0	s10.00	s240.0	s10.00	s240.0	s240.0	20.00	20.00	20.00	
13/0 F	1	441	390	0.240	50.600	0.590	194.00	1.500	s30.00	s130.00	s120.00	s100.00	s320.00	s60.00	s970.0	s970.0	s60.00	s970.0	s60.00	s970.0	s970.0	40.00	40.00	40.00	
14/0 F	2	526	395	0.170	35.900	0.580	184.00	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	
15/0 M	2	809	450	0.060	4.790	0.410	59.50	0.910	s50.00	s110.00	s30.00	s60.00	s160.00	s200.00	s650.0	s650.0	s40.00	s650.0	s40.00	s650.0	s650.0	20.00	20.00	20.00	
16/0 F	3	934	450	0.050	22.500	0.480	70.20	6.690	s210.00	s890.00	s290.00	s460.00	s1250.00	s1440.00	s4890.0	s4890.0	s350.00	s4890.0	s350.00	s4890.0	s4890.0	70.00	70.00	70.00	
17/0 M	1	1063	475	0.120	20.900	0.580	138.00	1.390	s50.00	s200.00	s110.00	s100.00	s220.00	s300.00	s1050.0	s1050.0	s70.00	s1050.0	s70.00	s1050.0	s1050.0	70.00	70.00	70.00	
18/0 F	1	1028	495	0.450	72.200	0.720	195.00	0.360	s20.00	s60.00	s30.00	s20.00	s50.00	s80.00	s260.0	s260.0	s20.00	s260.0	s20.00	s260.0	s260.0	20.00	20.00	20.00	
19/0 F	2	1653	540	0.020	15.300	0.310	28.50	0.830	s30.00	s100.00	s40.00	s60.00	s140.00	s180.00	s580.0	s580.0	s30.00	s580.0	s30.00	s580.0	s580.0	20.00	20.00	20.00	
20/0 F	1	1010	495	0.090	38.400	0.540	92.20	2.470	s100.00	s320.00	s230.00	s100.00	s370.00	s530.00	s1740.0	s1740.0	s90.00	s1740.0	s90.00	s1740.0	s1740.0	100.00	100.00	100.00	
21/0 M	2	1124	480	0.050	32.600	0.510	88.40	0.980	s40.00	s130.00	s40.00	s60.00	s160.00	s210.00	s690.0	s690.0	s50.00	s690.0	s50.00	s690.0	s690.0	20.00	20.00	20.00	
22/0 F	4	4237	700	0.120	61.300	0.610	147.00	3.020	s70.00	s310.00	s90.00	s180.00	s500.00	s650.00	s1980.0	s1980.0	s180.00	s1980.0	s180.00	s1980.0	s1980.0	30.00	30.00	30.00	
23/0 F	1	940	450	0.110	37.800	0.630	134.00	2.840	s60.00	s380.00	s100.00	s150.00	s400.00	s610.00	s1840.0	s1840.0	s140.00	s1840.0	s140.00	s1840.0	s1840.0	40.00	40.00	40.00	
24/0 M	2	1357	475	0.030	22.500	0.130	40.10	1.300	s40.00	s210.00	s70.00	s70.00	s210.00	s280.00	s920.0	s920.0	s140.00	s920.0	s140.00	s920.0	s920.0	40.00	40.00	40.00	
25/0 F	1	478	370	0.130	8.070	0.580	83.20	1.000	s760.00	s850.00	s20.00	s20.00	s330.00	s220.00	s2230.0	s2230.0	s50.00	s2230.0	s50.00	s2230.0	s2230.0	40.00	40.00	40.00	
Mean	1.7	1206	482	32.76	31.526	0.426	94.06	2.447	s180.42	s494.58	s134.17	s429.58	s527.08	s113.75	s<2020.4s<<2020.4	s<2020.4s<<2020.4	s113.75	s<2020.4s<<2020.4	s113.75	s<2020.4s<<2020.4	s113.75	<<61.25	<<61.25	<<61.25	
Minim.	1	441	355	3.30	4.790	0.120	10.70	0.220	s20.00	s50.00	s20.00	s30.00	s50.00	s10.00	s150.0	s150.0	s10.00	s150.0	s10.00	s150.0	s150.0	20.00	20.00	20.00	
Maxim.	4	4237	700	66.60	76.700	0.720	195.00	9.110	s760.00	s2470.00	s700.00	s630.00	s1830.00	s460.00	s8180.0	s8180.0	s460.00	s8180.0	s460.00	s8180.0	s8180.0	180.00	180.00	180.00	
St.dev	1.0	791	79	22.76	19.915	0.212	60.20	2.437	s230.94	s587.99	s164.16	s470.14	s524.21	s126.42	s2136.9	s2136.9	s126.42	s2136.9	s126.42	s2136.9	s2136.9	43.77	43.77	43.77	
Count	25	25	25	20	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24

s/q (243)
 miss(16)
 ! Suspect value(s)
 ! Missing value.

Tab.width cont'd GADU MOR, LI, J26, 36B Farder, 891201.

Sample/ Repl. no.	F/M	year	g	mm	Analytical Lab. :	NACE	NACE
					Analysis Code. :	510	610
					Detection Limit :	20.00	0.800
					Sex Age Wght Lngt	HCB	EPOCI
					ppb	ppb	ppm
					w. wt	w. wt	w. wt
01/ 0	F	1	2180	595		20.00	8.050
02/ 0	F	1	1177	500		<20.00	1.580
03/ 0	F	1	643	430		60.00	miss
04/ 0	M	1	1463	535		120.00	4.630
05/ 0	M	4	1641	595		20.00	13.100
06/ 0	F	1	697	420		20.00	2.030
07/ 0	F	1	456	355		30.00	miss
08/ 0	M	1	655	400		130.00	0.420
09/ 0	M	4	2162	555		40.00	9.690
10/ 0	F	2	941	460		50.00	1.060
11/ 0	F	2	1205	515		<20.00	6.780
12/ 0	F	1	1325	520		<20.00	2.260
13/ 0	F	1	441	390		<20.00	miss
14/ 0	F	2	526	395		miss	miss
15/ 0	M	2	809	450		<20.00	3.670
16/ 0	F	3	934	450		20.00	3.640
17/ 0	M	1	1063	475		<20.00	5.020
18/ 0	F	1	1028	495		<20.00	6.640
19/ 0	F	2	1653	540		20.00	2.170
20/ 0	F	1	1010	495		40.00	5.750
21/ 0	M	2	1124	480		<20.00	2.310
22/ 0	F	4	4237	700		<20.00	3.540
23/ 0	F	1	940	450		<20.00	7.690
24/ 0	M	2	1357	475		20.00	2.430
25/ 0	F	1	478	370		<20.00	0.840
Mean		1.7	1206	482		<<33.75	4.443
Minim.		1	441	355		<20.00	0.420
Maxim.		4	4237	700		130.00	13.100
St.dev		1.0	791	79		~30.19	3.268
Count		25	25	25		24	21

Sample.No 01 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 02 : LIVER : liver yellow-green

Sample.No 03 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 04 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 05 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 06 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 07 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 08 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 09 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 10 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 11 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 12 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 13 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 14 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 15 : Skin with metacercari cf. Cryptocotyle lingua

Sample.No 21 : Uncertain age determination

Uncertain age determination

Uncertain age determination

Tab.width cont'd **GADU MOR, LI, J26, 36B Færder, 901105.**

Repl. no.	F/M	year	g	mm	Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lngt	Σ(*)		NIVA		NIVA		NIVA	
						HC	Σ2	HC	QB	OC	Σ	HC	QB	OC	Σ
						ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
						w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	F	1	518	380		1.90	<0.40	<0.40	<0.40	<0.40	<0.40	3.700	
02/ 0	F	1	549	390		<42.00	4.00	<4.00	<4.00	<4.00	<4.00	12.400	
03/ 0	M	1	643	410		<76.00	7.00	5.00	<5.00	<5.00	<5.00	31.000	
04/ 0	M	1	708	420		<42.00	5.00	<4.00	<4.00	<4.00	<4.00	26.900	
05/ 0	F	1	821	430		37.00	7.00	<4.00	<4.00	<4.00	<4.00	160.200	
06/ 0	M	3	836	430		58.00	6.00	<5.00	<5.00	<5.00	<5.00	169.00	
07/ 0	M	1	771	430		<18.00	2.00	<2.00	<2.00	<2.00	<2.00	4.700	
08/ 0	M	1	941	440		39.00	4.00	<5.00	<5.00	<5.00	<5.00	49.000	
09/ 0	F	3	982	450		46.00	5.00	<3.00	<3.00	<3.00	<3.00	103.500	
10/ 0	F	2	1035	470		31.00	6.00	<4.00	<4.00	<4.00	<4.00	130.100	
11/ 0	F	3	1328	490		37.00	4.00	<2.00	<2.00	<2.00	<2.00	68.700	
12/ 0	M	3	1026	500		5.00	1.00	<1.00	<1.00	<1.00	<1.00	26.600	
13/ 0	M	3	1289	520		53.00	12.00	<5.00	<5.00	<5.00	<5.00	187.100	
14/ 0	F	3	1333	550		4.30	0.30	<0.20	<0.20	<0.20	<0.20	6.600	
15/ 0	M	3	1365	550		39.00	9.00	<4.00	<4.00	<4.00	<4.00	146.700	
16/ 0	M	3	1601	560		39.00	10.00	<2.00	<2.00	<2.00	<2.00	118.200	
17/ 0	M	4	1794	580		53.00	15.00	<3.00	<3.00	<3.00	<3.00	106.700	
18/ 0	F	3	1872	580		71.00	27.00	<2.00	<2.00	<2.00	<2.00	148.400	
19/ 0	M	3	2035	590		68.00	22.00	<5.00	<5.00	<5.00	<5.00	215.000	
20/ 0	M	3	1964	600		62.00	14.00	<5.00	<5.00	<5.00	<5.00	295.500	
21/ 0	M	3	1775	600		34.00	9.00	<3.00	<3.00	<3.00	<3.00	156.400	
22/ 0	F	3	1795	600		90.00	35.00	<6.00	<6.00	<6.00	<6.00	395.900	
23/ 0	F	2	2231	620		<43.00	9.00	<5.00	<5.00	<5.00	<5.00	386.000	
24/ 0	M	4	2630	660		55.00	15.00	<4.00	<4.00	<4.00	<4.00	105.200	
Mean	2.4	1327	510			<43.51	<9.53	<<3.48	<<28.88	<<28.88	<<28.88	127.092	
Minim.	1	518	380			1.90	0.30	<0.20	<0.40	<0.40	<0.40	3.700	
Maxim.	4	2630	660			90.00	35.00	<6.00	<6.00	<6.00	<6.00	395.900	
St.dev	1.0	582	83			~22.11	~8.51	~1.62	~41.13	~41.13	~41.13	110.643	
Count	24	24	24			24	24	24	24	24	24	24	

Sample.No 01 : NIVA no. 23. Skin with metacercariae of cf. Cryptocotyle lingua.

Sample.No 02 : NIVA no. 24. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform and Lernaeopodiform copepods.

- Sample.No 03 : NIVA no. 20. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Liver with necrotic cysts or tumours.
- Sample.No 04 : NIVA no. 22. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiiform copepods.
 LIVER : Liver with necrotic areas or discoloured; red.
- Sample.No 05 : NIVA no. 16. Bacterial fin rot. Skin and oral cavity w/caligiform or lernaepodiiform copepods. Gills with Lernaecocera copepods.
 LIVER : Liver with necrotic areas or discoloured; green.
- Sample.No 06 : NIVA no. 18. Bacterial fin rot. Skin with nematoda. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiiform copepods. Lesions on jaw, fin or tissue.
 LIVER : Liver/guts with Anasakis larvae.
- Sample.No 07 : NIVA no. 21. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 08 : NIVA no. 19. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 09 : NIVA no. 15. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Lesions on jaw, fin or tissue.
 Sample.No 10 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 11 : NIVA no. 12. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiiform copepods.
 LIVER : Liver with necrotic areas or discoloured; red.
- Sample.No 12 : NIVA no. 14. Internal organs with signs of decomposition.
 Sample.No 13 : NIVA no. 13. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 14 : NIVA no. 08. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Liver with very loose consistency. Reanalyses: 21.6% dry, 2.3% exlip.
 Sample.No 15 : NIVA no. 11. Bacterial fin rot.
 LIVER : Liver/guts with Anasakis larvae.
- Sample.No 16 : NIVA no. 06. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 17 : NIVA no. 03. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Liver with necrotic areas or discoloured.
- Sample.No 18 : NIVA no. 07. Skin with metacercariae of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.
 Sample.No 19 : NIVA no. 02. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 20 : NIVA no. 04. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiiform copepods.
 Sample.No 21 : NIVA no. 09. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 22 : NIVA no. 10. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 23 : NIVA no. 05. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 24 : NIVA no. 01. Skin and oral cavity w/caligiform or lernaepodiiform copepods. Gills with Lernaecocera copepods.

Tab.width cont'd GADU MOR, LI, J26, 36B Færdex, 911201.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	mm	NIVA		Σ(*)		NIVA		NIVA		NIVA	
						ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/ 0	M	2	621	390		<5.00	14.00	<19.00	8.00	<5.00	<5.00	<5.00	<5.00	2.200	
02/ 0	M	2	695	390		<5.00	17.00	<22.00	11.00	<5.00	<5.00	<5.00	<5.00	14.860	
03/ 0	M	2	722	420		<5.00	13.00	<18.00	9.00	<5.00	<5.00	<5.00	<5.00	7.210	
04/ 0	M	3	792	430		<5.00	19.00	<24.00	10.00	<5.00	<5.00	<5.00	<5.00	15.580	
05/ 0	F	3	1031	450		<5.00	17.00	<22.00	10.00	<5.00	<5.00	<5.00	<5.00	8.630	
06/ 0	F	3	1064	470		<5.00	18.00	<23.00	10.00	<5.00	<5.00	<5.00	<5.00	17.190	
07/ 0	F	3	1111	470		<5.00	13.00	<18.00	7.00	<5.00	<5.00	<5.00	<5.00	10.430	
08/ 0	M	3	1307	490		<5.00	14.00	<19.00	8.00	<5.00	<5.00	<5.00	<5.00	7.630	
09/ 0	M	3	1220	490		<5.00	18.00	<23.00	9.00	<5.00	<5.00	<5.00	<5.00	15.380	
10/ 0	M	3	1215	500		<5.00	14.00	<19.00	8.00	<5.00	<5.00	<5.00	<5.00	2.520	
11/ 0	F	3	1279	500		<5.00	12.00	<17.00	8.00	<5.00	<5.00	<5.00	<5.00	1.190	
12/ 0	F	3	1210	500		<5.00	10.00	<15.00	8.00	<5.00	<5.00	<5.00	<5.00	0.340	
13/ 0	M	3	1398	500		<5.00	20.00	<25.00	12.00	<5.00	<5.00	<5.00	<5.00	11.400	
14/ 0	M	3	1552	500		<5.00	14.00	<19.00	13.00	<5.00	<5.00	<5.00	<5.00	2.940	
15/ 0	F	3	1585	500		<5.00	12.00	<17.00	6.00	<5.00	<5.00	<5.00	<5.00	2.900	
16/ 0	M	3	1325	510		<5.00	15.00	<20.00	8.00	<5.00	<5.00	<5.00	<5.00	3.200	
17/ 0	M	3	1558	520		<5.00	15.00	<20.00	9.00	<5.00	<5.00	<5.00	<5.00	3.750	
18/ 0	F	3	1307	530		<5.00	14.00	<19.00	12.00	<5.00	<5.00	<5.00	<5.00	5.070	
19/ 0	F	3	1686	530		<5.00	9.00	<14.00	7.00	<5.00	<5.00	<5.00	<5.00	7.300	
20/ 0	F	3	1558	540		<5.00	16.00	<21.00	7.00	<5.00	<5.00	<5.00	<5.00	11.000	
21/ 0	M	3	1761	550		<5.00	16.00	<21.00	11.00	<5.00	<5.00	<5.00	<5.00	8.290	
22/ 0	F	3	2064	560		<5.00	14.00	<19.00	9.00	<5.00	<5.00	<5.00	<5.00	7.050	
23/ 0	F	3	2126	590		<5.00	12.00	<17.00	10.00	<5.00	<5.00	<5.00	<5.00	4.830	
24/ 0	M	3	1812	590		<5.00	17.00	<22.00	12.00	<5.00	<5.00	<5.00	<5.00	5.750	
25/ 0	F	3	2601	620		<5.00	12.00	<17.00	9.00	<5.00	<5.00	<5.00	<5.00	7.650	
Mean		2.9	1384	502		<<5.00	14.60	<<19.60	9.24	<<5.00	<<5.00	<<5.00	<<5.00	7.372	
Minim.		2	621	390		<5.00	9.00	<14.00	6.00	<5.00	<5.00	<5.00	<5.00	0.340	
Maxim.		3	2601	620		<5.00	20.00	<25.00	13.00	<5.00	<5.00	<5.00	<5.00	17.190	
St.dev		0.3	470	58		~0.00	2.74	~2.74	1.83	~0.00	~0.00	~0.00	~0.00	4.778	
Count		25	25	25		25	25	25	25	25	25	25	25	25	25

Sample.No	Findings	Significance
Sample.No 01	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 02	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 03	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 04	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 05	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 06	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 07	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 08	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 09	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 10	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 11	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 12	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 13	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 14	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 15	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 16	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 17	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 18	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 19	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 20	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 21	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 22	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 23	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 24	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding
Sample.No 25	cf. Cryptocotyle lingua	Muscle with signs of inner bleeding

Liver and/or intestinal guts with larvae of Anisakis simplex

Liver with necrotic areas and/or discolouration

Tab.width cont'd GADU MOR, LI, J26, 36B Færdær, 921215.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	mm	NIVA		Σ(*)		NIVA		NIVA		NIVA	
						ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/0	M	2	563	370		<5.00	8.00	<13.00	miss	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
02/0	M	2	542	380		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/0	F	2	590	390		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
04/0	M	2	553	395		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
05/0	F	3	808	420		7.00	12.00	19.00	miss	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
06/0	F	3	848	440		6.00	12.00	18.00	miss	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
07/0	M	3	788	440		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
08/0	F	3	774	450		<5.00	7.00	<12.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
09/0	F	3	1180	490		<5.00	10.00	15.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
10/0	M	3	1254	490		<5.00	6.00	<11.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
11/0	F	3	1333	500		11.00	20.00	31.00	16.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
12/0	M	3	1370	500		<5.00	5.00	<10.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
13/0	M	3	1313	510		<5.00	7.00	<12.00	14.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
14/0	M	4	1296	510		6.00	11.00	17.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
15/0	F	3	1447	520		<5.00	9.00	<14.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
16/0	F	3	1513	520		9.00	17.00	26.00	13.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
17/0	F	3	1663	540		10.00	17.00	27.00	16.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
18/0	F	4	1965	560		7.00	12.00	19.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
19/0	F	4	1744	570		5.00	9.00	14.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
20/0	F	4	1760	570		5.00	9.00	14.00	14.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
21/0	F	4	1662	575		5.00	9.00	14.00	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
22/0	F	3	2114	600		<5.00	10.00	15.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
23/0	F	4	2377	605		<5.00	<5.00	<10.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
24/0	F	4	2047	610		<5.00	<5.00	<5.00	6.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
25/0	F	4	2968	660		5.00	10.00	15.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean		3.2	1379	505		<<5.84	<9.04	<<13.68	<9.23	<<5.00	<<6.16	<<5.00	<<5.00	<<5.00	<<5.00
Minim.		4	542	370		11.00	20.00	31.00	16.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.		4	2968	660		~1.70	~4.23	~7.11	~3.72	~0.00	~5.03	~0.00	~0.00	~5.03	~5.03
St.dev		0.7	625	79											
Count		25	25	25					22	25	25	25	25	25	25

Sample.No 01 : film on gills
 Sample.No 02 : Liver with necrotic areas and/or discoloration
 Sample.No 03 : Niva no.4 Liver with necrotic areas and/or discoloration
 Sample.No 04 : Niva no.3 Liver with necrotic areas and/or discoloration
 Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 08 : head with red film
 Sample.No 09 : Muscle with signs of inner bleeding
 Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 11 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 12 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 13 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 14 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 15 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 17 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 18 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 19 : Niva no.20
 Sample.No 20 : Niva no.21 Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 21 : Niva no.19
 Sample.No 22 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 23 : Skin with red discoloration
 Sample.No 24 : skin with red discoloration
 Sample.No 25 : Liver sample for metal analyses lost.
 LIVER : Liver sample for metal analyses lost.
 Sample.No 25 : skin with red discoloration

and/or intestinal guts with larvae of Anisakis simplex

Muscle with signs of inner bleeding

reddish discoloration

Tab. width cont'd GADU MOR, LI, J99, 77B Borøy area, 901104.

Samp/ Repl. no.	Sex	Age	Wght	Ingt	g	mm	Σ(*)		NIVA		NIVA		NIVA	
							ppb	w.wt	HCB	ppb	w.wt	QCB	ppb	w.wt
01/ 0	F	1	1081	460			47.00	9.00	<1.00	10.00				
02/ 0	F	2	1011	460			17.00	4.00	1.00	8.00				
03/ 0	M	4	1220	500			36.00	10.00	<2.00	24.00				
04/ 0	F	3	1284	500			50.00	11.00	<2.00	14.00				
05/ 0	M	2	1467	520			53.00	14.00	<2.00	22.00				21.300
06/ 0	M	3	1613	540			83.00	13.00	<3.00	4.00				
07/ 0	F	2	1623	540			50.00	11.00	<2.00	19.00				
08/ 0	F	3	1512	540			15.00	3.00	<1.00	11.00				
09/ 0	F	3	1782	580			48.00	12.00	<1.00	33.00				11.300
10/ 0	M	2	1878	580			46.00	9.00	<2.00	15.00				
11/ 0	F	3	1965	600			19.00	5.00	2.00	<1.00				
12/ 0	M	3	2153	610			5.00	3.00	2.00	<1.00				
13/ 0	M	3	2415	650			42.00	15.00	2.00	19.00				
14/ 0	M	3	3541	730			7.00	4.00	<1.00	14.00				4.300
Mean	2.6	1753	558				37.00	8.79	<<1.71	<13.93				12.300
Minim.	1	1011	460				5.00	3.00	<1.00	<1.00				4.300
Maxim.	4	3541	730				83.00	15.00	<3.00	33.00				21.300
St.dev	0.7	653	74				21.79	4.23	~0.61	~9.09				8.544
Count	14	14	14				14	14	14	14				3

Sample.No 01 : NIVA no. 14. Skin with metacercariae of cf. Cryptocotyle lingua.

Sample.No 02 : NIVA no. 13. Bacterial fin rot. Lesions on jaw, fin or tissue. Skin and or oral cavity w/caligiform or lernaepodiiform copepods.

Sample.No 03 : NIVA no. 12. Gills with Lernaecera copepods and Mytilus edulis juv. Oral cavity with Anasakis larvae.

Sample.No 04 : NIVA no. 11. Skin with metacercariae of cf. Cryptocotyle lingua. Gills with Lernaecera copepods. Oral cavity with Anasakis larvae.

Sample.No 05 : NIVA no. 10. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.

Sample.No 06 : NIVA no. 09.

Sample.No 07 : NIVA no. 08.

Sample.No 08 : NIVA no. 07. Skin with metacercariae of cf. Cryptocotyle lingua.

Sample.No 09 : NIVA no. 06. Skin and or oral cavity w/caligiform or lernaepodiiform copepods.

Sample.No 10 : NIVA no. 05. Lesions on jaw, fin or tissue. Gills with Lernaecera copepods. Oral cavity with Anasakis larvae.

Sample.No 11 : NIVA no. 04.

Sample.No 12 : NIVA no. 03.

LIVER : Liver with loose consistency

Sample.No 13 : NIVA no. 02. Lesions on jaw, fin or tissue. Oral cavity with Anasakis larvae. Gills with Lernaecera copepods.

LIVER : Liver/guts with Anasakis larvae.

Sample.No 14 : NIVA no. 01.

LIVER : Liver/guts with Anasakis larvae.

Tab.width cont'd GADU MOR, LI, J99, 77B Borøy area, 911001.

Sample/ Rep'l. no.	Sex	Age	F/M	Year	g	mm	NIVA		Σ(*)		NIVA		NIVA		NIVA	
							ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/0	M	2			464	370	<5.00	9.00	<14.00	9.00	<5.00	5.00	23.420			
02/0	F	2			531	390	<5.00	6.00	<11.00	7.00	<5.00	<5.00	14.480			
03/0	F	2			551	390	<5.00	10.00	<15.00	7.00	<5.00	<5.00	17.390			
04/0	F	2			566	390	<5.00	7.00	<12.00	5.00	<5.00	<5.00	<0.050			
05/0	F	2			621	410	<5.00	9.00	<14.00	18.00	<5.00	<5.00	1.780			
07/0	M	2			687	410	<5.00	5.00	<10.00	8.00	<5.00	8.00	1.870			
09/0	F	2			735	430	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<0.050			
10/0	M	2			772	440	<5.00	8.00	<13.00	8.00	<5.00	8.00	2.130			
11/0	M	2			719	440	<5.00	<5.00	<5.00	6.00	<5.00	8.00	2.350			
13/0	F	2			778	460	<5.00	5.00	<10.00	8.00	<5.00	7.00	0.530			
14/0	M	3			790	470	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.080			
15/0	M	3			1006	480	<5.00	5.00	<10.00	10.00	<5.00	13.00	1.290			
16/0	F	3			891	480	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	0.470			
17/0	M	3			1035	490	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.000			
19/0	M	3			1282	540	<5.00	<5.00	<5.00	12.00	<5.00	35.00	2.000			
20/0	M	3			1650	540	<5.00	10.00	<15.00	18.00	<5.00	20.00	<0.050			
21/0	M	3			1927	540	<5.00	<5.00	<26.00	11.00	<5.00	<5.00	0.900			
22/0	F	3			1609	560	<5.00	6.00	<11.00	11.00	<5.00	15.00	1.010			
23/0	M	3			1895	570	<5.00	12.00	<17.00	22.00	<5.00	64.00	1.160			
25/0	M	3			2094	580	<5.00	14.00	<19.00	10.00	<5.00	<5.00	5.350			
26/0	F	3			2199	610	<5.00	10.00	<15.00	16.00	<5.00	14.00	0.380			
27/0	F	3			2335	620	<5.00	11.00	<16.00	24.00	<5.00	16.00	<0.050			
28/0	F	4			2006	640	<5.00	<5.00	<5.00	<5.00	<5.00	38.00	1.060			
29/0	F	5			2680	670	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	0.120			
Mean		2.7			1219	493	<<5.00	<<7.83	<<11.17	<<10.00	<<5.00	<<13.46	<3.374			
Minim.		2			464	370	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<0.050			
Maxim.		5			2680	670	<5.00	21.00	<26.00	24.00	<5.00	64.00	23.420			
St.dev		0.7			682	88	0.00	3.91	5.56	5.64	0.00	14.24	6.074			
Count		25			25	25	24	24	24	24	24	24	24			

Sample.No	Sex	Age	F/M	Year	g	mm	Findings	Remarks
Sample.No 01	Sk	2			464	370	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 02	Sk	2			531	390	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 03	Sk	2			551	390	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 04	Sk	2			566	390	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 05	Sk	2			621	410	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 07	Sk	2			735	430	metacercariae of cf. Cryptocotyle lingua	skin with ulceration, lymphocytic areas and/or lesions
Sample.No 08	Sk	2			772	440	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 09	Sk	2			719	440	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 10	Sk	2			778	460	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 11	Sk	2			790	470	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 13	Sk	2			1006	480	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 14	Sk	2			891	480	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 15	Sk	2			1035	490	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 16	Sk	2			1282	540	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 17	Sk	2			1650	540	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 18	Sk	2			1927	540	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 19	Sk	2			1609	560	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 20	M	3			1895	570	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding
Sample.No 21	Sk	2			2094	580	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 22	Sk	2			2199	610	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 23	Sk	2			2335	620	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 24	Sk	2			2006	640	metacercariae of cf. Cryptocotyle lingua	skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 25	Sk	2			2680	670	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding
Sample.No 26	Sk	2			464	370	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding
Sample.No 27	Sk	2			531	390	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding
Sample.No 28	Sk	2			551	390	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding
Sample.No 29	Sk	2			566	390	metacercariae of cf. Cryptocotyle lingua	muscle with signs of inner bleeding

with necrotic areas and/or discoloration

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: J99 Undefined, Tissue : LIVER.
 Locality : 15B Ullerø area, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch, date : 901103, Count: 25, Sample type: Individual.

Anal. Lab. :	NIVA				NIVA				NIVA				NIVA				NIVA			
Analysis Code. :	312	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
Detection Limit :	0.010				0.150				0.050											
Sampl. Rep. no.	Sex	Fat %	Dry %	Weight g	Pb ppm	Cu ppm	Zn ppm	CB28 ppm	CB52 ppm	CB101 ppm	CB118 ppm	CB138 ppm	CB153 ppm	CB180 ppm	CB209 ppm	CB27 ppm	CB27 ppm	CB27 ppm	CB27 ppm	
01/0	F	44.10	57.10	15.1	0.038	6.660	22.80	6.00	2.00	5.00	13.00	19.00	32.00	12.00	5.00	89.0	94.0	23.00	miss	
02/0	F	13.20	33.70	9.1	0.035	14.900	39.00	1.00	<1.00	2.00	9.00	15.00	32.00	11.00	1.00	<72.0	<72.0	12.00	miss	
03/0	M	23.10	39.70	7.5	0.059	4.250	38.00	4.00	5.00	11.00	68.00	107.00	149.00	49.00	2.00	395.0	395.0	146.00	miss	
04/0	F	31.30	46.60	6.8	0.047	8.570	33.80	7.00	4.00	23.00	58.00	85.00	124.00	39.00	2.00	340.0	342.0	83.00	miss	
05/0	M	66.50	72.50	14.2	0.026	8.850	21.60	10.00	8.00	45.00	78.00	121.00	156.00	58.00	7.00	476.0	483.0	147.00	miss	
06/0	M	3.40	22.60	7.1	0.053	13.800	39.90	<1.00	<1.00	1.00	5.00	9.00	15.00	4.00	<1.00	<35.0	<35.0	7.00	miss	
07/0	M	40.50	40.50	13.4	0.018	11.300	33.90	<1.00	1.00	3.00	10.00	19.00	35.00	17.00	3.00	<86.0	<89.0	22.00	miss	
08/0	M	31.00	45.60	17.9	0.010	14.400	31.30	4.00	2.00	6.00	22.00	42.00	71.00	21.00	3.00	168.0	171.0	36.00	miss	
09/0	M	33.90	49.40	13.2	0.044	5.020	23.60	2.00	3.00	15.00	33.00	46.00	60.00	23.00	3.00	182.0	185.0	88.00	miss	
10/0	F	7.40	27.60	6.4	0.095	19.100	42.60	1.00	1.00	4.00	17.00	22.00	30.00	9.00	2.00	84.0	86.0	22.00	miss	
11/0	F	56.00	67.00	28.2	0.008	13.000	22.00	<2.00	3.00	7.00	13.00	22.00	38.00	15.00	4.00	<100.0	<104.0	24.00	miss	
12/0	M	7.40	27.00	12.3	0.038	5.720	33.80	1.00	1.00	7.00	22.00	30.00	41.00	16.00	1.00	118.0	119.0	37.00	miss	
13/0	F	35.60	51.30	17.6	0.025	25.700	42.00	5.00	3.00	12.00	26.00	50.00	74.00	28.00	4.00	198.0	202.0	50.00	miss	
14/0	F	8.90	29.60	12.8	0.032	6.780	40.10	1.00	1.00	2.00	15.00	18.00	37.00	13.00	3.00	87.0	90.0	24.00	miss	
15/0	M	66.30	78.00	67.5	0.006	3.340	18.60	7.00	<4.00	5.00	24.00	24.00	35.00	19.00	13.00	<118.0	<131.0	36.00	miss	
16/0	M	47.80	62.30	40.8	0.018	10.300	28.40	6.00	5.00	8.00	20.00	31.00	38.00	13.00	3.00	121.0	124.0	50.00	miss	
17/0	F	50.30	58.50	38.7	0.030	7.360	29.90	8.00	12.00	70.00	51.00	51.00	64.00	26.00	12.00	282.0	294.0	119.00	miss	
18/0	M	67.30	71.90	78.8	0.013	13.400	32.10	11.00	3.00	12.00	51.00	72.00	106.00	51.00	8.00	306.0	314.0	80.00	miss	
19/0	F	7.80	27.50	17.1	0.061	21.000	47.60	3.00	3.00	25.00	72.00	106.00	179.00	56.00	37.00	444.0	481.0	178.00	miss	
20/0	M	66.30	70.30	111.6	0.007	23.200	36.60	9.00	<6.00	15.00	34.00	58.00	71.00	22.00	7.00	<215.0	<222.0	64.00	miss	
21/0	M	73.90	78.50	101.0	0.010	15.700	24.10	7.00	<3.00	12.00	17.00	33.00	36.00	14.00	<3.00	<122.0	<122.0	35.00	miss	
22/0	F	43.40	54.70	55.7	0.036	19.300	38.10	5.00	4.00	30.00	60.00	86.00	120.00	47.00	4.00	352.0	356.0	160.00	miss	
23/0	F	69.00	73.00	104.5	0.013	11.000	23.10	11.00	13.00	38.00	49.00	82.00	96.00	38.00	4.00	327.0	331.0	183.00	miss	
24/0	M	81.80	81.80	283.8	0.007	3.060	13.20	13.00	11.00	21.00	37.00	55.00	55.00	33.00	3.00	225.0	228.0	156.00	miss	
25/0	M	62.00	67.40	97.6	0.024	14.400	34.40	20.00	13.00	42.00	71.00	99.00	135.00	56.00	<6.00	436.0	442.0	194.00	miss	
Mean	2.8	40.82	53.36	47.1	0.030	12.004	31.62	<5.84	<4.52	16.84	35.00	52.08	73.16	27.60	<5.64	<215.0	<220.5	79.04	.	
Minim.	2	3.40	22.60	6.4	0.006	3.060	13.20	<1.00	<1.00	1.00	5.00	9.00	15.00	4.00	<1.00	<35.0	<35.0	7.00	.	
Maxim.	5	81.80	81.80	283.8	0.095	25.700	47.60	20.00	13.00	70.00	78.00	121.00	179.00	58.00	37.00	476.0	483.0	194.00	.	
st.dev	0.9	18.64	18.64	60.6	0.022	6.273	8.65	<4.69	3.86	16.86	22.78	33.58	46.71	16.83	<7.22	<134.4	<137.8	61.85	.	
Count	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
miss(26)																				
Mean	2.8	1532	527	47.1	0.030	12.004	31.62	<5.84	<4.52	16.84	35.00	52.08	73.16	27.60	<5.64	<215.0	<220.5	79.04	.	
Minim.	2	622	400	6.4	0.006	3.060	13.20	<1.00	<1.00	1.00	5.00	9.00	15.00	4.00	<1.00	<35.0	<35.0	7.00	.	
Maxim.	5	3485	700	283.8	0.095	25.700	47.60	20.00	13.00	70.00	78.00	121.00	179.00	58.00	37.00	476.0	483.0	194.00	.	
st.dev	0.9	937	100	60.6	0.022	6.273	8.65	<4.69	3.86	16.86	22.78	33.58	46.71	16.83	<7.22	<134.4	<137.8	61.85	.	
Count	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
miss(26)																				
Mean	2.8	15.00	23.00	47.1	0.030	12.004	31.62	<5.84	<4.52	16.84	35.00	52.08	73.16	27.60	<5.64	<215.0	<220.5	79.04	.	
Minim.	2	4.00	12.00	6.4	0.006	3.060	13.20	<1.00	<1.00	1.00	5.00	9.00	15.00	4.00	<1.00	<35.0	<35.0	7.00	.	
Maxim.	5	31.00	83.00	283.8	0.095	25.700	47.60	20.00	13.00	70.00	78.00	121.00	179.00	58.00	37.00	476.0	483.0	194.00	.	
st.dev	0.9	7.56	27.00	60.6	0.022	6.273	8.65	<4.69	3.86	16.86	22.78	33.58	46.71	16.83	<7.22	<134.4	<137.8	61.85	.	
Count	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
miss(26)																				

! Missing value.

Tab.width cont'd GADU MOR, LI, J99, 15B Ullerø area, 901103.

Samp/ Repl. no.	Sex	Age	Wght	Lngr	mm	g	F/M	year	no.	Σ (*)		NIVA		NIVA		NIVA	
										ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/	0	F	2	645	400					38.00	5.00	<2.00	<2.00				
02/	0	F	2	674	420					10.00	1.00	<1.00	<1.00				
03/	0	M	3	712	420					18.00	5.00	2.00	8.00				
04/	0	F	2	698	430					20.00	5.00	<1.00	3.00				
05/	0	M	2	622	430					44.00	11.00	<6.00	<6.00			15.310	
06/	0	M	2	753	430					<2.00	<1.00	<1.00	<1.00				
07/	0	M	2	825	440					19.00	3.00	1.00	<1.00				
08/	0	M	2	928	450					34.00	4.00	<1.00	<1.00				
09/	0	M	2	745	450					18.00	4.00	4.00	5.00				
10/	0	F	3	788	460					2.00	1.00	1.00	1.00			miss	
11/	0	F	2	1100	470					22.00	4.00	<2.00	<2.00				
12/	0	M	2	861	470					2.00	1.00	2.00	2.00				
13/	0	F	2	1165	510					19.00	4.00	1.00	2.00				
14/	0	F	3	1137	510					4.00	1.00	<1.00	1.00				
15/	0	M	3	1442	520					35.00	6.00	<4.00	<4.00			15.960	
16/	0	M	3	1507	550					19.00	6.00	<2.00	2.00				
17/	0	F	3	1596	560					39.00	13.00	6.00	7.00				
18/	0	M	2	2553	610					49.00	9.00	4.00	4.00				
19/	0	F	4	1932	610					2.00	3.00	3.00	9.00				
20/	0	M	4	2517	630					36.00	6.00	<6.00	<6.00			13.570	
21/	0	M	3	2938	660					35.00	6.00	<3.00	4.00				
22/	0	F	4	2707	670					28.00	6.00	<2.00	6.00				
23/	0	F	3	2701	680					44.00	17.00	<3.00	<3.00				
24/	0	M	4	3275	690					<21.00	17.00	<3.00	19.00				
25/	0	M	5	3485	700					77.00	20.00	<6.00	<6.00			16.720	
Mean		2.8		1532	527					<25.48	<6.36	<<2.72	<<4.24			15.390	
Minim.		2		622	400					<2.00	<1.00	<1.00	<1.00			13.570	
Maxim.		5		3485	700					77.00	20.00	<6.00	19.00			16.720	
St.dev		0.9		937	100					~18.04	~5.32	~1.77	~3.91			1.343	
Count		25		25	25					25	25	25	25			4	

- Sample.No 01 : NIVA no. 23. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 02 : NIVA no. 25. Lesions on jaw, fin or tissue.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 03 : NIVA no. 16. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 04 : NIVA no. 20.
LIVER : Liver/guts with Anasakis larvae. Liver with necrotic cysts or tumours.
- Sample.No 05 : NIVA no. 22. Lesions on jaw, fin or tissue.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 06 : NIVA no. 24. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
LIVER : Liver with very loose consistency. Liver/guts with Anasakis larvae.
- Sample.No 07 : NIVA no. 15.
Sample.No 08 : NIVA no. 19. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaepodiform copepods.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 09 : NIVA no. 21.
LIVER : Liver with necrotic cysts or tumours.
- Sample.No 10 : NIVA no. 18. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
Sample.No 11 : NIVA no. 13.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 12 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaepodiform copepods.
LIVER : Liver with very loose consistency. Liver/guts with Anasakis larvae.
- Sample.No 13 : NIVA no. 12. Gills with Lernaocera copepods. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Bacterial fin rot.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 14 : NIVA no. 14
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 15 : NIVA no. 11
Sample.No 16 : NIVA no. 09. Bacterial fin rot.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 17 : NIVA no. 08. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaepodiform copepods.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 18 : NIVA no. 06
Sample.No 19 : NIVA no. 10. Bacterial fin rot. Skin and or oral cavity w/caligiform or lernaepodiform copepods.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 20 : NIVA no. 07
Sample.No 21 : NIVA no. 03. Skin and or oral cavity w/caligiform or lernaepodiform copepods.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 22 : NIVA no. 05. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Bacterial fin rot.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 23 : NIVA no. 04. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaepodiform copepods. Bacterial fin rot.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 24 : NIVA no. 01.
LIVER : Liver/guts with Anasakis larvae.
- Sample.No 25 : NIVA no. 02.

Tab.width cont'd GADU MOR, LI, J99, 15B Ullerø area, 911025.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Σ(*)		NIVA		NIVA	
						ppb	W.Wt	ppb	W.Wt	ppb	W.Wt
01/0	M	2	506	380							
02/0	M	2	576	390							
03/0	M	2	802	420	103.00	41.00	31.00	340	340	340	340
04/0	M	2	842	440	67.00	21.00	20.00	2.00	2.00	2.00	2.00
05/0	F	2	910	440	49.00	17.00	14.00				
06/0	F	3	929	450	75.00	23.00	20.00				
07/0	F	2	1112	480	46.00	18.00	13.00				
08/0	F	2	1278	490	77.00	29.00	21.00				
09/0	F	3	1407	490	89.00	24.00	20.00				
10/0	F	2	1188	490	45.00	14.00	12.00				
11/0	M	2	1124	490	79.00	25.00	22.00				
12/0	M	2	1270	490	52.00	15.00	17.00				
13/0	M	2	1361	490	75.00	22.00	22.00				
14/0	F	2	1320	530	62.00	20.00	19.00				
15/0	M	3	1775	530	69.00	26.00	19.00				
16/0	F	3	1781	550	78.00	25.00	24.00				
17/0	M	3	1870	550	78.00	27.00	23.00				
18/0	F	2	1993	560	76.00	24.00	23.00				
19/0	M	2	1905	570	69.00	20.00	23.00				
20/0	F	3	1775	570	25.00	7.00	7.00				
21/0	M	3	2142	590	48.00	13.00	15.00				
22/0	M	3	3270	650	50.00	14.00	17.00				
23/0	F	3	3677	670	37.00	18.00	<6.00				
24/0	F	4	3225	700	50.00	13.00	14.00				
Mean	2.5	1585	517		63.59	20.73	<18.27				31.32
Minim.	2	506	380		25.00	7.00	<6.00				6.00
Maxim.	4	3677	700		103.00	41.00	31.00				53.00
St.dev	0.6	830	82		18.68	7.15	5.78				10.17
Count	24	24	24		22	22	22				22

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver with necrotic areas and/or discoloration

Sample.No 02 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic areas and/or discoloration

Sample.No 03 : Skin with ulceration, lymphocytic areas and/or lesions Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 04 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver with necrotic areas and/or discoloration

Sample.No 05 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods

Sample.No 07 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Skin with ulceration, lymphocytic areas and/or lesions Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discoloration

Sample.No 09 : Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot Liver with necrotic areas and/or discoloration

Sample.No 14 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 19 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 20 : Liver with necrotic areas and/or discoloration

Sample.No 21 : Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 22 : Liver and/or intestinal guts with larvae of Anisakis simplex

Tab.width cont'd GADU MOR, LI, J99, 15B Ullero area, 921215.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	NIVA		Σ (*)		NIVA		NIVA		NIVA	
						ppb	w. wt	HC	HC	HC	HC	Q	CB	Q	CB
01/	0	M	2	1008	440	8.00	16.00	24.00	16.00	16.00	16.00	16.00	16.00	16.00	<5.00
02/	0	M	2	1020	450	5.00	13.00	18.00	18.00	12.00	12.00	12.00	12.00	12.00	<5.00
03/	0	M	3	1055	470	<5.00	6.00	<11.00	8.00	8.00	8.00	8.00	8.00	8.00	<5.00
04/	0	M	3	1144	470	<5.00	7.00	<12.00	8.00	8.00	8.00	8.00	8.00	8.00	<5.00
05/	0	M	3	1098	480	<5.00	5.00	<10.00	6.00	6.00	6.00	6.00	6.00	6.00	<5.00
06/	0	M	3	1370	480	<5.00	<5.00	<5.00	8.00	8.00	8.00	8.00	8.00	8.00	<5.00
07/	0	M	3	1503	490	<5.00	7.00	<12.00	11.00	11.00	11.00	11.00	11.00	11.00	<5.00
08/	0	M	3	1499	490	<5.00	8.00	<13.00	11.00	11.00	11.00	11.00	11.00	11.00	<5.00
09/	0	M	3	1549	490	<5.00	5.00	<10.00	8.00	8.00	8.00	8.00	8.00	8.00	<5.00
10/	0	M	3	1234	500	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
11/	0	M	3	1386	505	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
12/	0	M	3	1312	510	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
13/	0	M	3	1439	515	6.00	11.00	17.00	17.00	8.00	8.00	8.00	8.00	8.00	<5.00
14/	0	M	4	1591	520	7.00	11.00	18.00	18.00	11.00	11.00	11.00	11.00	11.00	8.00
15/	0	F	3	1688	520	6.00	11.00	17.00	17.00	14.00	14.00	14.00	14.00	14.00	<5.00
16/	0	M	3	2256	530	<5.00	7.00	<12.00	8.00	8.00	8.00	8.00	8.00	8.00	<5.00
17/	0	M	3	2190	540	5.00	8.00	13.00	13.00	10.00	10.00	10.00	10.00	10.00	<5.00
18/	0	F	3	1882	545	<5.00	5.00	<10.00	13.00	13.00	13.00	13.00	13.00	13.00	<5.00
19/	0	M	3	1822	550	<5.00	7.00	<12.00	11.00	11.00	11.00	11.00	11.00	11.00	<5.00
20/	0	F	3	2015	550	7.00	12.00	19.00	19.00	16.00	16.00	16.00	16.00	16.00	<5.00
21/	0	F	4	2742	555	<5.00	6.00	<11.00	12.00	12.00	12.00	12.00	12.00	12.00	<5.00
22/	0	F	3	2332	560	<5.00	6.00	<11.00	10.00	10.00	10.00	10.00	10.00	10.00	<5.00
23/	0	F	4	3356	650	<5.00	7.00	<12.00	15.00	15.00	15.00	15.00	15.00	15.00	<5.00
Mean	3.0			1674	513	<<5.39	<7.74	<<12.26	<10.04	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.13
Minim.	2			1008	440	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.	4			3356	650	8.00	16.00	24.00	16.00	16.00	16.00	16.00	16.00	16.00	8.00
St. dev	0.5			591	45	~0.84	~3.09	~4.89	~3.36	~3.36	~3.36	~3.36	~3.36	~3.36	~0.63
Count	23			23	23	23	23	23	23	23	23	23	23	23	23

Sample.No 02 : Liver with necrotic areas and/or discolouration
 Sample.No 03 : Liver with necrotic areas and/or discolouration
 Sample.No 04 : Niva no.6
 Sample.No 05 : Niva no.4
 Sample.No 06 : Niva no.5 Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 09 : Niva no .11
 LIVER : Niva no.11
 Sample.No 10 : Niva no.9
 Sample.No 11 : Niva no.10 skin with red film
 Sample.No 12 : Liver with necrotic areas and/or discolouration skin with red film
 Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 18 : Liver with necrotic areas and/or discolouration

Tab.width cont'd GADU MOR, LI, J99, 23B Karihavet area, 901007.

Samp/ Repl. no.	Sex F/M	Age year	Wght g	Lngr mm	Analytical Lab. :		Σ (*) ppb w.wt	NIVA		NIVA		NIVA		
					Code. :	340		340	340	340	615			
Detection Limit :					HC_Σ2		HCB		QCB		OCS		EPOCLI	
					ppb		ppb		ppb		ppb		ppm	
					w.wt		w.wt		w.wt		w.wt		w.wt	
01/ 0	F	2	520	370	19.00	3.00	<1.00	<1.00	<1.00	.	.	.	.
02/ 0	F	3	542	390	22.00	7.00	2.00	<1.00	<1.00	.	.	.	.
03/ 0	M	3	764	410	28.00	5.00	<2.00	<2.00	<2.00	.	.	.	.
04/ 0	F	2	528	410	28.00	2.00	1.00	<1.00	<1.00	.	.	.	.
05/ 0	F	2	710	410	27.00	4.00	<4.00	<4.00	<4.00	9.050	.	.	.	
06/ 0	M	4	446	440	34.00	4.00	3.00	<2.00	<2.00	.	.	.	.
07/ 0	F	3	840	440	30.00	4.00	<2.00	<2.00	<2.00	.	.	.	.
08/ 0	M	2	472	450	33.00	7.00	3.00	<2.00	<2.00	.	.	.	.
09/ 0	M	4	711	460	23.00	4.00	4.00	<2.00	<2.00	.	.	.	.
10/ 0	M	3	906	460	33.00	6.00	<5.00	<5.00	<5.00	7.480	.	.	.	
11/ 0	F	3	1170	510	17.00	3.00	2.00	1.00	1.00	.	.	.	.
12/ 0	F	3	1018	510	16.00	4.00	6.00	<2.00	<2.00	.	.	.	.
13/ 0	F	3	637	520	38.00	8.00	4.00	<2.00	<2.00	.	.	.	.
14/ 0	F	4	1154	530	25.00	5.00	<2.00	<2.00	<2.00	.	.	.	.
15/ 0	F	3	1275	530	58.00	12.00	<5.00	<5.00	<5.00	14.100	.	.	.	
16/ 0	F	4	1394	540	15.00	6.00	3.00	1.00	1.00	.	.	.	.
17/ 0	F	3	1019	540	30.00	17.00	19.00	<3.00	<3.00	.	.	.	.
18/ 0	F	4	1606	560	40.00	12.00	<2.00	<2.00	<2.00	.	.	.	.
19/ 0	F	3	844	570	8.00	4.00	<2.00	<2.00	<2.00	.	.	.	.
20/ 0	F	3	1330	610	59.00	10.00	<4.00	<4.00	<4.00	10.680	.	.	.	
21/ 0	M	5	1345	620	30.00	12.00	<3.00	<3.00	<3.00	.	.	.	.
22/ 0	F	4	1679	630	21.00	15.00	<3.00	<3.00	<3.00	.	.	.	.
23/ 0	F	5	1446	630	28.00	18.00	<3.00	<3.00	<3.00	.	.	.	.
24/ 0	F	4	1628	640	26.00	7.00	<2.00	<2.00	<2.00	.	.	.	.
25/ 0	F	5	2863	700	47.00	13.00	<5.00	<5.00	<5.00	11.140	.	.	.	
Mean	3.4	1074	515	29.40	7.68	<3.68	<2.36	<2.36	<2.36	10.490	.	.	.	
Minim.	2	446	370	8.00	2.00	<1.00	<1.00	<1.00	<1.00	7.480	.	.	.	
Maxim.	5	2863	700	59.00	18.00	19.00	<5.00	<5.00	<5.00	14.100	.	.	.	
St.dev	0.9	537	90	12.17	4.63	~3.45	~1.15	~1.15	~1.15	2.481	.	.	.	
Count	25	25	25	25	25	25	25	25	25	5	.	.	.	

- Sample.No 01 : NIVA no. 24. Lesions on jaw, fin or tissue.
 LIVER : Liver/guts with Anasakis larvae.
- Sample.No 02 : NIVA no. 23. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Liver/guts with Anasakis larvae.
- Sample.No 03 : NIVA no. 22. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Liver with necrotic areas or discoloured.
- Sample.No 04 : NIVA no. 25. Lesions on jaw, fin or tissue. Skin and or oral cavity w/caligiform or lemaeopodiiform copepods.
 LIVER : Liver with very dried out appearance.
- Sample.No 05 : NIVA no. 21. Bacterial fin rot. Lesions on jaw, fin or tissue.
 LIVER : Liver/guts with Anasakis larvae.
- Sample.No 06 : NIVA no. 10.
 Sample.No 07 : NIVA no. 12. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 08 : NIVA no. 09. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 09 : NIVA no. 19.
 Sample.No 10 : NIVA no. 20. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lemaeopodiiform copepods.
 Sample.No 11 : NIVA no. 16. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 LIVER : Reanalysis: 2.11 E - 07 g Cd / g.
- Sample.No 12 : NIVA no. 18.
 Sample.No 13 : NIVA no. 06. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 14 : NIVA no. 08. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 15 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 16 : NIVA no. 11.
 Sample.No 17 : NIVA no. 15.
 Sample.No 18 : NIVA no. 14. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 19 : NIVA no. 07.
 LIVER : Liver with very dried out appearance.
- Sample.No 20 : NIVA no. 13. Skin and or oral cavity w/caligiform or lemaeopodiiform copepods.
 Sample.No 21 : NIVA no. 05.
 Sample.No 22 : NIVA no. 01.
 Sample.No 23 : NIVA no. 03.
 LIVER : Nematodes
- Sample.No 24 : NIVA no. 04.
 Sample.No 25 : NIVA no. 02.

Tab.width cont'd GADU MOR, II, J99, 23B Karihavet area, 910930.

Sample/ Repl. no.	Sex F/M	Age year	Wght g	Lngt mm	Σ(*)		NIVA		NIVA	
					HC	Σ2	ppb	w.wt	HC	Σ2	ppb	w.wt
01/0	F	2	337	320	<6.00	3.00	<2.00	13.00		
02/0	M	2	364	360	<12.00	6.00	<4.00	6.00		
03/0	F	2	631	370						
04/0	F	2	416	350	<9.00	7.00	<4.00	8.00		
05/0	M	2	622	390	<7.00	7.00	<3.00	5.00		
06/0	M	2	402	350						
07/0	F	3	530	390						
08/0	F	3	530	390	<3.00	3.00	<1.00	3.00		
09/0	M	3	621	360						
10/0	F	3	641	420	<8.00	10.00	<3.00	8.00		
11/0	M	3	681	400						
12/0	F	3	555	380	<18.00	20.00	12.00	<4.00		
13/0	M	2	653	390						
14/0	F	3	680	420	<19.00	22.00	<4.00	<4.00		
15/0	F	3	849	430	<9.00	11.00	6.00	<2.00		
16/0	F	4	962	460	<9.00	10.00	5.00	<2.00		
17/0	F	4	722	420	<4.00	4.00	3.00	<1.00		
18/0	F	4	967	480	<3.00	2.00	1.00	<1.00		
19/0	F	4	1159	490	23.00	17.00	7.00	<2.00		
20/0	F	4	1104	500	11.00	7.00	3.00	<1.00		
21/0	F	4	1450	530	10.00	9.00	4.00	<1.00		
22/0	M	4	949	450	40.00	33.00	11.00	<4.00		
23/0	M	5	1107	480	51.00	40.00	16.00	<5.00		
24/0	F	5	1464	510	60.00	28.00	14.00	<4.00		
25/0	F	6	2928	700	<<16.78	13.28	<<5.72	<<4.11		
Mean		3.3	853	430	<3.00	2.00	<1.00	<1.00		
Minim.		2	337	320	60.00	40.00	16.00	13.00		
Maxim.		6	2928	700	~16.70	11.10	~4.50	~3.14		
St.dev		1.1	533	80						
Count		25	25	25	18	18	18	18		

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 02 : Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 03 : Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 04 : Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 08 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 09 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic areas and/or discolouration
Sample.No 10 : Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 11 : Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 12 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 13 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 14 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
Sample.No 17 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
Sample.No 18 : Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
Sample.No 19 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
Sample.No 20 : Liver and/or intestinal guts with larvae of Anisakis simplex
Sample.No 21 : Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration Liver with necrotic cysts or tumors
Sample.No 22 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Bacterial fin rot
Sample.No 23 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
Sample.No 24 : Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 25 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Tab.width cont'd GADU MOR, LI, J99, 23B Karihavet area, 921215.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	NIVA		Σ(*)		NIVA		NIVA		NIVA	
						ppb	w.wt	HC	Σ2	ppb	w.wt	HC	QCB	ppb	w.wt	QCS	ppb	w.wt
01/0	M	3	542	365		7.00	48.00	55.00	9.00	9.00	340	340	5.00	5.00	5.00
02/0	M	2	587	375		7.00	12.00	19.00	16.00	16.00	340	340	5.00	5.00	5.00
03/0	M	2	633	385		7.00	11.00	18.00	12.00	12.00	340	340	5.00	5.00	5.00
04/0	M	2	656	400		7.00	12.00	19.00	14.00	14.00	340	340	5.00	5.00	5.00
05/0	M	3	790	415		7.00	11.00	18.00	10.00	10.00	340	340	5.00	5.00	5.00
06/0	M	4	913	435		5.00	9.00	14.00	17.00	17.00	340	340	5.00	5.00	5.00
07/0	M	3	929	460		6.00	11.00	17.00	10.00	10.00	340	340	5.00	5.00	5.00
08/0	M	3	1133	470		5.00	10.00	15.00	13.00	13.00	340	340	5.00	5.00	5.00
09/0	M	3	1246	480		<5.00	5.00	<10.00	6.00	6.00	340	340	5.00	5.00	5.00
10/0	F	4	1411	500		<5.00	10.00	<15.00	12.00	12.00	340	340	5.00	5.00	5.00
11/0	M	5	1113	510		7.00	11.00	18.00	14.00	14.00	340	340	5.00	5.00	5.00
12/0	M	4	1280	510		<5.00	5.00	<10.00	7.00	7.00	340	340	5.00	5.00	5.00
13/0	M	4	1786	510		7.00	12.00	19.00	12.00	12.00	340	340	5.00	5.00	5.00
14/0	M	4	1461	515		9.00	14.00	23.00	15.00	15.00	340	340	5.00	5.00	5.00
15/0	M	3	1616	515		8.00	17.00	25.00	12.00	12.00	340	340	5.00	5.00	5.00
16/0	M	2	1302	525		7.00	15.00	22.00	19.00	19.00	340	340	5.00	5.00	5.00
17/0	M	3	1313	535		5.00	11.00	16.00	8.00	8.00	340	340	5.00	5.00	5.00
18/0	M	3	1858	550		5.00	12.00	17.00	7.00	7.00	340	340	5.00	5.00	5.00
19/0	M	4	1958	590		8.00	14.00	22.00	20.00	20.00	340	340	5.00	5.00	5.00
20/0	M	5	2398	590		<5.00	9.00	<14.00	7.00	7.00	340	340	5.00	5.00	5.00
21/0	M	3	2209	605		<5.00	9.00	<14.00	9.00	9.00	340	340	5.00	5.00	5.00
22/0	M	5	2032	620		<5.00	7.00	<12.00	8.00	8.00	340	340	5.00	5.00	5.00
23/0	M	4	3081	630		5.00	12.00	17.00	10.00	10.00	340	340	5.00	5.00	5.00
24/0	F	5	4002	670		8.00	15.00	23.00	18.00	18.00	340	340	5.00	5.00	5.00
25/0	F	4	3172	700		5.00	14.00	19.00	15.00	15.00	340	340	5.00	5.00	5.00
Mean	3.5		1577	514		<6.20	12.64	<18.84	12.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00
Minim.	2		542	365		<5.00	5.00	<10.00	6.00	6.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.	5		4002	700		9.00	48.00	55.00	20.00	20.00	5.00	5.00	5.00	5.00	5.00
St.dev	1.0		873	91		~1.29	7.92	~8.47	4.03	4.03	~0.00	~0.00	~0.00	~0.00	~0.00
Count	25		25	25		25	25	25	25	25	25	25	25	25	25

Sample.No 01	: Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 02	: reddish skin
Sample.No 03	: reddish skin
Sample.No 04	: reddish skin
Sample.No 05	: reddish skin
Sample.No 06	: Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 08	: Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 09	: Niva no.25
Sample.No 10	: Niva no.9 Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 11	: Niva no.10
Sample.No 12	: Niva no.14
Sample.No 13	: Niva no.15 Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 14	: Niva no.11 Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 15	: Niva no.16
Sample.No 16	: Niva no.12
Sample.No 17	: Niva no.13 Skin with metacercariae of cf. Cryptocotyle lingua
Sample.No 18	: Niva no.17
Sample.No 19	: Niva no.18 reddish skin
Sample.No 20	: Niva no.19 reddish skin
Sample.No 21	: Niva no.20 reddish skin
Sample.No 22	: Niva no.21
Sample.No 23	: Niva no.22
Sample.No 24	: Niva no.23 Liver and/or intestinal guts with larvae of Anisakis simplex
Sample.No 25	: Niva no.24 Skin with metacercariae of cf. Cryptocotyle lingua

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample-area: **J63 Sørffjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 12, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Dry		Fat		Cd		Cu		Pb		Zn		FIER	
						%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	w.wt	w.wt	w.wt	w.wt
01/ 0	X		460					30.00	0.170	7.000	0.580	0.580	21.00						
02/ 0	X		1310					38.10	0.190	5.600	0.170	22.30							
03/ 0	X		915					9.29	4.500	15.500	5.000	116.00							
04/ 0	X		710					23.30	1.600	14.400	0.390	33.80							
05/ 0	X		490					50.10	0.130	8.800	0.160	23.90							
06/ 0	X		560					53.40	0.270	9.700	0.380	26.80							
07/ 0	X		510					37.60	1.100	25.600	0.460	30.50							
08/ 0	X							29.00	1.000	7.600	0.190	28.00							
09/ 0	X							54.40	1.400	11.400	0.280	35.70							
10/ 0	X		420					12.90	0.260	13.200	0.510	30.00							
11/ 0	X		320					48.40	0.470	15.200	4.500	25.00							
12/ 0	X		2600					0.30	0.920	22.000	2.200	81.80							
Mean			830					32.23	1.001	13.000	1.235	39.57							
Minim.			320					0.30	0.130	5.600	0.160	21.00							
Maxim.			2600					54.40	4.500	25.600	5.000	116.00							
St.dev			686					18.09	1.215	6.059	1.734	28.99							
Count			10					12	12	12	12	12	12						

Sample.No 01 : caught at "Skreol" by Ednatunnel, 22.2.87.
 Sample.No 02 : caught at K/S Ilmenittsmelteverket, Tyssedal, 22.2.87.
 Sample.No 03 : caught at Kvitura across from sulfur tank, Norzink, 20.2.87.
 Sample.No 04 : caught at Kvitura across from sulfur tank, Norzink, 20.2.87.
 Sample.No 05 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 06 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 07 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 08 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 09 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 10 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87 gills partly covered with particle layer.
 Sample.No 11 : caught at power station, Tyssedal, 100m from land, 20.2.87. Gills partly covered with slime layer.
 Sample.No 12 : caught at power station, Tyssedal, 100m from land, 6.3.87. Black film around mouth and on gills.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample-area: **J63 Sørffjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 12, Sample type: **Homogenate**.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Dry		Fat		PCB		PAH		NIVA	
						%	%	ppm	ppb	ppm	ppb	w.wt	w.wt		
13/ 0	X		830					23.10	39.19	0.370	33.0				

Sample.No 13 : Bulk of fish 01-12. Weight statistics based on only 10 fish (missing data for I08 and I09)

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørffjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **881117**, Count: **5**, Sample type: **Homogenate**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. /M year g mm no.	NIVA 312 0.030	NIVA 311 0.150	NIVA 312 0.150	NIVA 311 3.00	NACE 510 40.00	NACE 510 40.00	NACE 510 40.00	ΣZ(*) !	NACE 510 !	NACE 510 !	NACE 510 !	ΣZ(*) !	NACE 510 !	NACE 510 !	NACE 610 0.800
01/ 0 X 3 724 401	72.50	64.50	0.080	9.800	0.230	37.00	6.240	820.00	470.00	1290.00	<40.00	<40.00	<40.00	<40.00	3.050

Sample.No 01 : Bulk of spec.no. 1-25
 LIVER : PCB, DDEPP, HCHG and HCB values mean of two analyses.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørffjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **891125**, Count: **12**, Sample type: **Individual**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. /M year g mm no.	Mean Weight g	Fat %	Dry %	Cd ppm	Cu ppm	Pb ppm	Zn ppm	PCB ppm	CB28 ppb	CB52 ppb	CB101 ppb	CB118 ppb	CB138 ppb	CB153 ppb	CB180 ppb	CB Σ7 ppb	CB ΣΣ ppb	DDEPP ppb	DD Σ4 ppb	HCHG HC Σ2 ppb	ΣZ(*)	NACE	ΣZ(*)	NACE	ΣZ(*)	NACE	ΣZ(*)	NACE	
																													NIVA
01/ 0 F 1 564 370	10.0	52.61	37.80	0.520	20.800	0.410	55.50	4.260	s80.00	s220.00	s310.00	s150.00	s950.00	s920.00	s320.00	s2950.0	s2950.0	s2950.0	840.00	720.00	1560.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
02/ 0 F 1 675 395	13.0	63.93	53.50	0.260	18.100	0.340	44.00	44.480	s170.00	s290.00	s670.00	s360.00	s1690.00	s9560.00	s250.00	s12990.0	s12990.0	s12990.0	1800.00	1160.00	2960.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
03/ 0 F 1 750 400	18.0	49.41	37.20	0.370	21.500	0.440	52.30	5.150	s90.00	s260.00	s250.00	s90.00	s1690.00	s1110.00	s490.00	s3980.0	s3980.0	s3980.0	3740.00	2040.00	5780.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
04/ 0 M 1 581 410	13.0	58.09	60.20	0.160	8.770	0.410	60.80	6.100	s400.00	s500.00	s420.00	s220.00	s2550.00	s1310.00	s320.00	s5720.0	s5720.0	s5720.0	4690.00	<20.00	<4710.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00
06/ 0 F 2 749 410	28.0	93.24	71.90	0.040	6.290	0.210	16.70	55.490	s1420.00	s350.00	s8590.00	s7490.00	s15k71	s11k93	s1540.00	s47030.0	s47030.0	s47030.0	11000.00	490.00	11490.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
07/ 0 F 3 375 425	4.0	20.66	s6.250	s28.400	s2.860	s236.00	s6.250	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss
08/ 0 F 1212 440	59.0	88.39	67.80	0.040	6.140	0.200	19.50	11.410	s480.00	s370.00	s1770.00	s1250.00	s3570.00	s2450.00	s380.00	s10270.0	s10270.0	s10270.0	2670.00	<20.00	<2690.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00
09/ 0 F 1 1138 455	34.0	93.28	66.60	0.120	6.480	0.350	28.80	1.420	s230.00	s80.00	s140.00	s50.00	s700.00	s310.00	s100.00	s1610.0	s1610.0	s1610.0	820.00	1730.00	2550.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
11/ 0 F 1 996 495	10.0	25.36	4.90	0.930	52.600	0.770	189.00	11.770	s710.00	s490.00	s850.00	s340.00	s1080.00	s2530.00	s270.00	s6270.0	s6270.0	s6270.0	1040.00	<20.00	<1060.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00
12/ 0 M 1 1334 500	31.0	71.91	55.60	0.090	6.270	0.410	39.20	71.190	s1600.00	s420.00	s10k38	s9400.00	s20k18	s15k30	s2130.00	s59410.0	s59410.0	s59410.0	11360.00	<20.00	<11k38	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
13/ 0 M 2 1342 520	46.0	73.84	69.20	0.100	6.270	0.300	36.40	12.330	s490.00	s370.00	s1950.00	s1470.00	s3970.00	s2650.00	s420.00	s11320.0	s11320.0	s11320.0	2910.00	3400.00	6310.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
14/ 0 F 5 2690 555	103.0	80.31	53.40	0.100	6.670	0.330	34.70	6.320	s160.00	s140.00	s910.00	s840.00	s2440.00	s1360.00	s290.00	s6140.0	s6140.0	s6140.0	2910.00	810.00	3720.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00

Mean	1.7	1034	448
Minim.	1	375	370
Maxim.	5	2690	555
St.dev	1.3	612	57
Count	11	12	12

s/q (130)
 ! Suspect value(s)
 ! Suspect or ambiguous basis-value(s) ignored in statistics.
 ! Missing value.
 k (10)
 Value= 1000 * given units.

Tab.width cont'd GADU MOR, LI, J63, 53B Inner Sørffjord, 891125.

Analytical Lab. :		NACE	NACE
Analysis Code. :		510	610
Detection Limit :		20.00	0.800
Samp/	Sex Age Wght Lngt	HC B	EPOCL
Repl. F/M	year g mm	ppb	ppm
no.		w.wt	w.wt
01/ 0	F 1 564 370	<20.00	7.210
02/ 0	F 1 675 395	20.00	9.580
03/ 0	F 1 750 400	20.00	51.600
04/ 0	M 1 581 410	30.00	11.400
06/ 0	F 2 749 410	20.00	60.000
07/ 0	F 3 375 425	miss	miss
08/ 0	F 1212 440	20.00	17.700
09/ 0	F 1 1138 455	20.00	5.730
11/ 0	F 1 996 495	170.00	6.530
12/ 0	M 1 1334 500	<20.00	7.330
13/ 0	M 2 1342 520	20.00	17.600
14/ 0	F 5 2690 555	30.00	8.430
Mean	1.7 1034 448	<35.45	18.465
Minim.	1 375 370	<20.00	5.730
Maxim.	5 2690 555	170.00	60.000
St.dev	1.3 612 57	~44.80	18.998
Count	11 12 12	11	11

Sample.No 01 : Edna 10m depth. Uncertain age determination

Sample.No 02 : Apold 20m depth.

Sample.No 03 : Edna 15m depth. Uncertain age determination

Sample.No 04 : Edna 10m depth. Uncertain age determination. Emaciated individual

Sample.No 06 : Stana 15m depth.

Sample.No 07 : Edna 10m depth. Uncertain age determination. Emaciated individual

LIVER : Emaciated individual

Sample.No 08 : Apold 10m depth. Uncertain age determination

Sample.No 09 : Tyssedal 15m depth. Uncertain age determination

Sample.No 11 : Tyssedal 15m depth. Uncertain age determination

Sample.No 12 : Apold 20m depth. Uncertain age determination

Sample.No 13 : Tyssedal 15m depth. Uncertain age determination

Sample.No 14 : Edna 10m depth.

Tab.width cont'd GADU MOR, LI, J63, 53B Inner Sørfjord, 901014.

Samp/ Repl. no.	Sex F/M	Age year	Wght g	Lngt mm	Analytical Lab. :	Analysis Code. :	Detection Limit :	Σ (*)		NIVA		NIVA		NIVA	
								HC_E2 ppb w.wt	HCB ppb w.wt	QCB ppb w.wt	OCS ppb w.wt	EPOCI ppm w.wt	NIVA 340 2.00	NIVA 340 2.00	NIVA 340 2.00	NIVA 615 0.040
01/ 0	M	4	594	340			<39.00	7.00	7.00	2.00	381.300				
02/ 0	M	2	460	340			33.00	11.00	9.00	2.00	299.300				
03/ 0	M	2	565	350			4.00	12.00	16.00	2.00	51.500				
04/ 0	M	3	536	350			41.00	13.00	15.00	2.00	532.500				
05/ 0	F	2	609	360			36.00	8.00	4.00	4.00	40.700				
06/ 0	F	3	566	360			37.00	10.00	3.00	3.00	350.400				
07/ 0	M	2	558	370			62.00	12.00	11.00	2.00	285.000				
08/ 0	M	2	579	370			22.00	18.00	13.00	2.00	36.600				
09/ 0	F	2	550	370			6.00	6.00	2.00	2.00	44.500				
10/ 0	F	2	674	380			44.00	12.00	4.00	<2.00	28.700				
11/ 0	F	3	820	380			25.00	10.00	8.00	2.00	47.900				
12/ 0	F	2	712	390			23.00	10.00	4.00	2.00	443.500				
13/ 0	M	2	643	390			32.00	15.00	15.00	2.00	41.700				
14/ 0	F	2	741	390			30.00	8.00	3.00	<2.00	16.500				
15/ 0	F	3	843	400			33.00	10.00	6.00	<2.00	602.100				
16/ 0	F	2	854	400			32.00	12.00	9.00	<2.00	72.800				
17/ 0	F	2	666	400			20.00	9.00	3.00	2.00	13.500				
18/ 0	F	3	684	400			33.00	9.00	8.00	<1.00	622.800				
19/ 0	F	3	795	410			35.00	18.00	16.00	2.00	602.000				
20/ 0	F	2	748	420			65.00	17.00	15.00	<2.00	115.000				
21/ 0	M	2	995	420			25.00	9.00	6.00	<2.00	62.400				
22/ 0	M	2	916	420			31.00	12.00	7.00	2.00	17.200				
23/ 0	F	2	779	420			<52.00	13.00	6.00	5.00	14.500				
24/ 0	M	2	1065	460			20.00	9.00	5.00	<2.00	567.500				
25/ 0	M	2	1315	480			<24.00	7.00	6.00	<2.00	712.900				
Mean	2.3	731	391				<32.16	11.08	8.04	<<2.20	240.112				
Minim.	2	460	340				4.00	6.00	2.00	<1.00	13.500				
Maxim.	4	1315	480				65.00	18.00	16.00	5.00	712.900				
St.dev	0.6	194	35				~14.16	3.28	4.55	~0.76	246.377				
Count	25	25	25				25	25	25	25	25				

Sample.No 01 : NIVA no. 23.
Sample.No 02 : NIVA no. 25.
Sample.No 03 : NIVA no. 10.
Sample.No 04 : NIVA no. 11.
Sample.No 05 : NIVA no. 22.
LIVER : Liver with necrotic cysts or tumours.
Sample.No 06 : NIVA no. 24.
Sample.No 07 : NIVA no. 09.
LIVER : Liver with necrotic cysts or tumours.
Sample.No 08 : NIVA no. 13.
Sample.No 09 : NIVA no. 17.
Sample.No 10 : NIVA no. 14.
Sample.No 11 : NIVA no. 19.
Sample.No 12 : NIVA no. 06.
LIVER : Liver/guts with Anasakis larvae.
Sample.No 13 : NIVA no. 07.
LIVER : Liver with necrotic areas or discoloured.
Sample.No 14 : NIVA no. 15.
Sample.No 15 : NIVA no. 03.
LIVER : Liver with necrotic areas or discoloured.
Sample.No 16 : NIVA no. 05.
LIVER : Liver/guts with Anasakis larvae.
Sample.No 17 : NIVA no. 16.
Sample.No 18 : NIVA no. 18. Bacterial fin rot.
Sample.No 19 : NIVA no. 08. Bacterial fin rot.
Sample.No 20 : NIVA no. 04.
Sample.No 21 : NIVA no. 01. Bacterial fin rot.
Sample.No 22 : NIVA no. 12.
Sample.No 23 : NIVA no. 21.
Sample.No 24 : NIVA no. 02.
LIVER : Liver with necrotic areas or discoloured.
Sample.No 25 : NIVA no. 20.

Tab.width cont'd GADU MOR, LI, J63, 53B Inner Sørfjord, 911101.

Samp/ Repl. no.	Sex F/M	Age year	Height g	Lengt mm	Σ(*)		NIVA		NIVA		NIVA	
					ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/ 0	F	3	563	380	19.00	17.00	14.00	<5.00	3.300			
02/ 0	M	3	554	390	20.00	10.00	9.00	<5.00	14.900			
03/ 0	M	3	675	390	<11.00	8.00	<5.00	<5.00	6.900			
04/ 0	F	3	601	400								
05/ 0	M	2	572	400	<4.00	2.00	<2.00	<2.00	1.200			
07/ 0	M	3	574	400	21.00	14.00	<5.00	<5.00	7.100			
08/ 0	F	3	703	400	<4.00	3.00	<2.00	<2.00	2.700			
09/ 0	F	3	657	410								
10/ 0	M	3	690	410	6.00	7.00	2.00	<2.00	10.500			
11/ 0	F	3	758	440	15.00	10.00	<4.00	<4.00	6.500			
13/ 0	F	4	970	460	25.00	13.00	9.00	<5.00	10.900			
14/ 0	M	4	1105	470	34.00	13.00	<5.00	<5.00	9.800			
15/ 0	M	3	1174	480	22.00	11.00	6.00	<5.00	10.400			
16/ 0	M	3	1353	480	21.00	8.00	<5.00	<5.00	4.600			
17/ 0	F	4	899	480	13.00	9.00	<5.00	<5.00	12.440			
19/ 0	M	3	1172	490								
20/ 0	F	3	1102	490								
21/ 0	F	4	1219	500	16.00	10.00	<5.00	<5.00	440.400			
22/ 0	M	3	1132	500	27.00	24.00	10.00	<5.00	7.100			
23/ 0	F	3	1064	510	12.00	10.00	<5.00	<5.00	13.000			
25/ 0	M	3	1101	520	22.00	10.00	<5.00	<5.00	7.600			
26/ 0	F	4	1352	540	12.00	6.00	<5.00	<5.00	4.200			
27/ 0	M	5	1234	540	22.00	17.00	13.00	<5.00	5.500			
28/ 0	F	4	1751	560	33.00	19.00	8.00	<5.00	17.440			
29/ 0	M	4	1832	570								
Mean		3.3	992	464	<17.95	11.05	<<6.20	<<4.50	29.824			
Minim.		2	554	380	<4.00	2.00	<2.00	<2.00	1.200			
Maxim.		5	1832	570	34.00	24.00	14.00	<5.00	440.400			
St.dev		0.6	360	59	8.51	5.31	3.33	1.10	96.732			
Count		25	25	25	20	20	20	20	20			

Sample.No 01 : NIVA NO. 21
Sample.No 02 : NIVA NO. 04.
Sample.No 03 : NIVA NO. 10.
Sample.No 04 : NIVA NO. 01.
Sample.No 05 : NIVA NO. 02
Sample.No 07 : NIVA NO. 05
Sample.No 08 : NIVA NO. 11.
Sample.No 09 : NIVA NO. 06
Sample.No 10 : NIVA NO. 12.
Sample.No 11 : NIVA NO. 03.
Sample.No 13 : NIVA NO. 22.
Sample.No 14 : NIVA NO. 07.
Sample.No 15 : NIVA NO. 13.
Sample.No 16 : NIVA NO. 14
Sample.No 17 : NIVA NO. 16.
Sample.No 19 : NIVA NO. 17.
Sample.No 20 : NIVA NO. 18.
Sample.No 21 : NIVA NO. 08.
Sample.No 22 : NIVA NO. 19.
Sample.No 23 : NIVA NO. 23.
Sample.No 25 : NIVA NO. 15.
Sample.No 26 : NIVA NO. 09.
Sample.No 27 : NIVA NO. 20.
Sample.No 28 : NIVA NO. 24.
Sample.No 29 : NIVA NO. 25.

Skin and/or oral cavity with caligiform and/or lernaepodiform copepods

Liver with necrotic areas and/or discoloration

Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot

Muscle with signs of inner bleeding Liver with necrotic areas and/or discoloration

Liver and/or intestinal guts with larvae of Anisakis simplex

Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot

Muscle with signs of inner bleeding

Muscle with signs of inner bleeding Liver with necrotic areas and/or discoloration

Skin with ulceration, lymphocytic areas and/or lesions Liver with necrotic areas and/or discoloration

Liver with necrotic areas and/or discoloration

Skin and/or oral cavity with caligiform and/or lernaepodiform copepods

Tab.width cont'd GADU MOR, LI, J63, 53B Inner Sørfjord, 921215.

Repl. no.	Sex	Age	Wght	Lengt	g	mm	NIVA		Σ(*)		NIVA		NIVA	
							HCHA	ppb	HCHG	ppb	HC	ppb	HC	ppb
01/0	M	2	532	400			<5.00	<5.00	<5.00	14.00	7.00	<5.00	<5.00	
02/0	F	3	665	440			<5.00	<5.00	<5.00	10.00	<5.00	<5.00	<5.00	
03/0	M	1	746	450			<5.00	<5.00	<5.00	18.00	<5.00	<5.00	<5.00	
04/0	M	2	796	450			<5.00	<5.00	<5.00	5.00	<5.00	<5.00	<5.00	
05/0	F	3	804	460			<5.00	<5.00	<5.00	28.00	16.00	<5.00	<5.00	
06/0	F	3	916	470			<5.00	<5.00	<5.00	20.00	13.00	<5.00	<5.00	
07/0	F	3	944	490			<5.00	<5.00	<5.00	23.00	22.00	<5.00	<5.00	
08/0	F	3	1224	510			<5.00	<5.00	<5.00	7.00	<5.00	<5.00	<5.00	
09/0	F	4	1122	510			<5.00	<5.00	<5.00	24.00	11.00	<5.00	<5.00	
10/0	F	4	1522	510			<5.00	<5.00	<5.00	17.00	12.00	<5.00	<5.00	
11/0	F	4	1593	520			<5.00	<5.00	<5.00	12.00	8.00	<5.00	<5.00	
12/0	F	4	1440	550			<5.00	<5.00	<5.00	20.00	19.00	<5.00	<5.00	
13/0	M	5	1582	550			<5.00	<18.00	<18.00	34.00	22.00	<5.00	<5.00	
14/0	M	3	1576	560			<5.00	<5.00	<5.00	14.00	6.00	<5.00	<5.00	
15/0	F	3	1851	560			<5.00	<5.00	<5.00	20.00	12.00	<5.00	<5.00	
16/0	F	3	1876	570			<5.00	<16.00	<21.00	16.00	8.00	<5.00	<5.00	
17/0	M	3	1909	570			10.00	19.00	29.00	43.00	30.00	<5.00	<5.00	
18/0	F	3	2242	570			<5.00	14.00	<19.00	16.00	6.00	<5.00	<5.00	
19/0	F	4	2447	580			<5.00	<5.00	<5.00	12.00	9.00	<5.00	<5.00	
20/0	F	5	2655	610			<5.00	<5.00	<5.00	34.00	21.00	<5.00	<5.00	
21/0	M	4	2234	650			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
22/0	F	4	3487	700			<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Mean	3.3	1553	531				<<5.23	<<6.91	<<8.05	<18.05	<<11.45	<<5.00	<<5.00	
Minim.	1	532	400				<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Maxim.	5	3487	700				10.00	19.00	29.00	43.00	30.00	<5.00	<5.00	
St. dev	1.0	747	72				~1.07	~4.26	~6.88	~10.04	~7.23	~0.00	~0.00	
Count	21	22	22				22	22	22	22	22	22	22	

Sample.No 03 : Bacterial fin rot

Sample.No 09 : Bacterial fin rot

Sample.No 10 : Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 12 : NIVA no.18

Sample.No 13 : NIVA no.19

Sample.No 15 : Otolith partly chrysalized, no age determination Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods

Sample.No 16 : NIVA no.12

Sample.No 17 : NIVA no.13

Sample.No 18 : NIVA no.20 Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods

Sample.No 19 : NIVA no.16 Bacterial fin rot

Sample.No 20 : NIVA no.21

Sample.No 21 : NIVA no.22

Sample.No 22 : NIVA no.17

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : 871125, Count: 22, Sample type: **Individual**.
 Comment : Station name : Strandebar

Analytical Lab. :		FIER		FIER		FIER	
Analysis Code. :		402	404	403	405		
Detection Limit :		0.001	0.050	0.010	0.02		
Samp/	Sex	Age	Wght	Lngt		Zn	
Repl.	F/M	year	g	mm		ppm	ppm
no.						w.wt	w.wt
01/ 0	F	3	956	450		0.590	36.50
02/ 0	F	3	2883	600		0.007	31.90
03/ 0	F	3	1360	490		0.010	27.30
04/ 0	F	1	928	440		0.024	18.70
05/ 0	F	2	1483	545		0.280	24.10
06/ 0	M	2	1341	525		0.021	37.60
07/ 0	F	2	1612	555		0.220	30.10
08/ 0	M	3	1728	550		0.120	40.00
09/ 0	M	3	2109	605		0.036	20.60
10/ 0	F	3	1858	580		0.470	33.10
11/ 0	F	3	986	460		0.600	34.00
12/ 0	M	3	1646	530		0.068	23.90
13/ 0	F	3	1289	490		0.032	22.00
14/ 0	M	3	1498	525		0.071	12.10
15/ 0	M	3	1737	545		0.230	20.50
16/ 0	F	2	1671	545		0.100	21.20
17/ 0	F	3	1241	495		0.320	35.30
18/ 0	M	3	1435	530		0.210	19.70
19/ 0	M	3	1670	535		0.140	25.90
20/ 0	F	3	2028	580		0.160	30.30
21/ 0	M	3	1331	490		0.160	26.90
22/ 0	M	3	1019	445		0.041	25.60
Mean		2.7	1537	523		0.178	27.15
Minim.		1	928	440		0.007	12.10
Maxim.		3	2883	605		0.600	40.00
St.dev		0.6	446	48		0.179	7.16
Count		22	22	22		22	22

Sample.No 17 :
 LIVER : Liver with signs of inner bleeding.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : 881011, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NIVA		NIVA		NIVA		NACE		NACE		NACE	
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510	610
Detection Limit :		0.030	0.150	0.150	3.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	0.800
Samp/	Sex	Age	Wght	Lngt		PCB	DDEPP	DDTPP	DD	HC	HC	HC	HC	HC	EPOCL
Repl.	F/M	year	g	mm		ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.						d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	X	3	1334	493		0.840	330.00	200.00	530.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.100
Mean						0.840	330.00	200.00	530.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.100

Sample.No 01 : Bulk of spec.no. 1-25

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: J62 Hardangerfjorden, Tissue : LIVER.
 Locality : 67B Strandebar, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch, date : 891015, Count: 2, Sample type: Individual.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Weight Lnght Repl. F/M year g mm no.	Mean	Dry	Fat	%	%	NIVA		NIVA		NIVA		NACE		NACE		Σ(*)		Σ(*)		NACE		Σ(*)	
						d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt
01/ 0 M 2 1883 540	51.0	93.52	64.40	0.130	29.900	<.150	311	312	311	311	510	510	510	510	510	510	510	510	510	510	510	510	510
02/ 0 F 2 1044 450	24.0	90.87	52.20	0.020	5.630	0.110	21.60		21.60	0.020	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
03/ 0 M 2 1324 520	26.0	84.48	63.30	0.110	28.400	0.210	42.60		42.60	0.330	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
04/ 0 M 1 1491 530	37.0	86.76	62.40	0.050	9.920	<.160	26.10		26.10	0.560	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
05/ 0 F 1 1234 505	27.0	89.91	45.70	0.030	15.100	<.150	24.20		24.20	0.850	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
06/ 0 M 1 1176 515	22.0	74.90	58.50	0.030	8.430	<.160	32.80		32.80	3.210	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
07/ 0 M 1 1529 550	41.0	72.98	62.80	0.070	4.820	0.160	42.60		42.60	1.230	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
08/ 0 F 1 1846 520	76.0	96.12	77.50	0.030	5.300	0.330	16.60		16.60	0.360	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
09/ 0 F 2 1324 545	23.0	62.80	50.20	0.130	6.760	0.470	40.40		40.40	0.820	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
10/ 0 F 1 1548 535	27.0	45.57	11.80	0.200	45.400	0.770	97.80		97.80	0.560	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
11/ 0 F 1 1819 540	48.0	84.97	68.30	0.110	22.900	0.290	42.80		42.80	1.330	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
12/ 0 F 1 842 440	21.0	76.82	55.80	0.120	19.100	0.250	38.20		38.20	0.890	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
13/ 0 F 2 787 435	5.0	21.59	2.50	0.530	65.900	0.530	195.00		195.00	0.900	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
14/ 0 M 1 1575 515	66.0	95.47	77.10	0.030	11.600	0.320	16.10		16.10	0.340	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
15/ 0 F 3 1959 570	41.0	94.16	61.50	0.320	4.550	0.320	16.20		16.20	2.210	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
16/ 0 F 1 1606 550	22.0	38.11	20.30	0.140	42.000	0.870	105.00		105.00	2.100	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
17/ 0 F 1 1247 500	41.0	96.53	75.50	0.030	6.190	0.290	14.70		14.70	0.910	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
18/ 0 M 1 1368 520	22.0	91.66	67.90	0.070	35.100	0.250	31.60		31.60	1.490	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
19/ 0 F 1 1592 525	31.0	75.60	59.40	0.060	30.700	0.490	49.10		49.10	0.260	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
20/ 0 F 2 1009 460	22.0	67.50	50.90	0.060	25.600	0.480	48.10		48.10	0.620	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
21/ 0 M 2 1379 515	70.0	93.03	51.40	0.020	10.800	0.220	21.50		21.50	2.470	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
22/ 0 F 1 1197 540	36.0	96.18	60.40	0.050	17.100	0.280	28.50		28.50	2.410	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
Mean	35.4	78.61	54.54	<.097	20.509	<.330	44.47		44.47	1.147	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
Minim.	5.0	21.59	2.50	0.020	4.550	0.110	14.70		14.70	0.260	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
Maxim.	76.0	96.53	77.50	0.530	65.900	0.870	195.00		195.00	3.210	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
St.dev	17.8	20.58	19.64	~.115	16.129	~.200	40.94		40.94	0.826	~95.09	148.27	63.40	~35.71	383.24	181.62	~795.4	~795.4	~795.4	~795.4	~795.4	~795.4	~795.4
Count	22	22	22	22	22	22	22		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

s/q(225)
 ! Suspect value(s)

Tab.width cont'd GADU MOR, LI, J62, 67B Strandebarrow, 891015.

Samp/ Repl. no.	Sex	Age	F/M	year	g	mm	Analytical Lab. :		MACE	MACE
							Analysis Code. :	610		
Detection Limit :							HCB EPOCI		ppb	
Wt. :							ppm		w. wt	
01/ 0	M	2		1883	540		<20.00	2.370		
02/ 0	F	2		1044	450		<20.00	7.210		
03/ 0	M	2		1324	520		<20.00	7.020		
04/ 0	M	1		1491	530		<20.00	4.800		
05/ 0	F	1		1234	505		20.00	5.010		
06/ 0	M	1		1176	515		30.00	5.970		
07/ 0	M	1		1529	550		20.00	6.910		
08/ 0	F	1		1846	520		<20.00	3.450		
09/ 0	F	2		1324	545		20.00	5.930		
10/ 0	F	1		1548	535		<20.00	7.760		
11/ 0	F	1		1819	540		40.00	6.280		
12/ 0	F	1		842	440		20.00	5.910		
13/ 0	F	2		787	435		<20.00	10.200		
14/ 0	M	1		1575	515		<20.00	2.620		
15/ 0	F	3		1959	570		50.00	5.000		
16/ 0	F	1		1606	550		<20.00	4.020		
17/ 0	F	1		1247	500		20.00	4.910		
18/ 0	M	1		1368	520		30.00	5.600		
19/ 0	F	1		1592	525		<20.00	13.400		
20/ 0	F	2		1009	460		<20.00	4.460		
21/ 0	M	2		1379	515		70.00	7.140		
22/ 0	F	1		1197	540		30.00	4.340		
Mean	1.4			1399	515		<<25.91	5.923		
Minim.	1			787	435		<20.00	2.370		
Maxim.	3			1959	570		70.00	13.400		
St.dev	0.6			324	37		~12.60	2.440		
Count	22			22	22		22	22		

Sample.No 01 : seine 50m depth
 Sample.No 02 : seine 50m depth. Uncertain age determination
 Sample.No 03 : seine 20m depth.
 Sample.No 04 : seine 20m depth
 Sample.No 05 : weir 5m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 06 : seine 50m depth. Uncertain age determination
 Sample.No 07 : seine 30m depth.
 Sample.No 08 : seine 30m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 09 : weir 5m depth. Uncertain age determination
 Sample.No 10 : seine 40m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 11 : seine 60m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 12 : weir 10m depth.
 Sample.No 13 : weir 5m depth.
 Sample.No 14 : weir 10m depth.
 Sample.No 15 : weir 5m depth.
 Sample.No 17 : weir 5m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 18 : weir 5m depth.
 Sample.No 19 : seine 20m depth.
 Sample.No 20 : weir 10m depth. Skin with metacercari cf. Cryptocotyle lingua
 Sample.No 21 : weir 5m depth.
 Sample.No 22 : weir 10m depth. Skin with metacercari cf. Cryptocotyle lingua

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch, date : **901009**, Count: 13, Sample type: **Individual**.
 Comment : Caught 1009-1201. All but ind. nos. 4, 6 and 10 sent frozen to NIVA for preparation. Ind. nos. 4, 6 and 10 prepared fresh.

Analytical Lab. :		NIVA		NIVA		NIVA			
Analysis Code :		312	311	312	311	312	311		
Detection Limit :		0.010	0.150	0.050	0.050	0.050	3.00		
Samp/	Sex	Age	Wght	Lngr	Cu	Pb	Zn		
Repl.	F/M	year	g	mm	ppm	ppm	ppm		
no.					w. wt	w. wt	w. wt		
01/	0	F	1	424	350	0.121	6.620	0.130	27.00
02/	0	F	1	974	460	0.069	12.300	0.060	27.70
03/	0	M	2	1181	460	0.130	9.000	0.100	26.50
04/	0	M	3	1424	500	0.080	13.700	0.110	18.90
05/	0	M	2	1384	500	0.019	8.940	0.110	21.60
06/	0	F	3	1404	510	0.100	6.330	0.210	22.10
07/	0	F	3	1395	510	0.022	4.160	0.050	12.50
08/	0	M	2	1420	520	0.038	9.260	0.160	27.20
09/	0	M	1	1267	520	0.084	9.950	0.170	35.10
10/	0	M	5	1614	540	0.125	7.620	0.160	28.30
11/	0	F	1	1898	550	0.042	5.170	0.200	24.10
12/	0	M	4	1828	580	0.057	14.700	0.160	46.20
13/	0	F	3	2139	610	0.013	7.090	0.070	28.90
Mean	2.4		1412	508		0.069	8.834	0.130	26.62
Minim.	1		424	350		0.013	4.160	0.050	12.50
Maxim.	5		2139	610		0.130	14.700	0.210	46.20
St.dev	1.3		430	63		0.041	3.195	0.052	8.04
Count	13		13	13		13	13	13	13

Sample.No 01 : NIVA no. 13
 Sample.No 02 : NIVA no. 04
 Sample.No 03 : NIVA no. 07
 Sample.No 04 : NIVA no. 02
 Sample.No 05 : NIVA no. 10
 Sample.No 06 : NIVA no. 01.
 Sample.No 07 : NIVA no. 08
 Sample.No 08 : NIVA no. 05.
 Sample.No 09 : NIVA no. 09.
 Sample.No 10 : NIVA no. 03.
 Sample.No 11 : NIVA no. 11.
 LIVER : Liver/guts with *Anasakis* larvae.
 Sample.No 12 : NIVA no. 06.
 Sample.No 13 : NIVA no. 12.
 Skin with metacercariae of cf. *Cryptocotyle lingua*.

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: J62 Hardangerfjorden, Tissue : LIVER.
 Locality : 67B Strandebar, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : 901009, Count: 13, Sample type: Bulked.
 Comment : Caught 1009-1201. All but ind. nos. 4, 6 and 10 sent frozen to NIVA for preparation. Ind. nos. 4, 6 and 10 prepared fresh.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Lght Lrgt Repl. F/M year g mm no.	Mean g	Dry %	Fat %	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
				CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB209	CB 27	CB 28	DD 24	HCHA	HCHG	HC 22	HCB	NIVA	NIVA	NIVA	NIVA
14/ 0 H 2 1077 454	45.0	60.80	52.50	7.00	9.00	24.00	33.00	60.00	79.00	26.00	41.00	238.0	<242.0	776.00	miss	776.00	41.00	13.00	54.00	21.00	4.00	<4.33
15/ 0 H 3 1406 513	63.1	68.90	60.40	5.00	13.00	38.00	41.00	77.00	106.00	36.00	36.00	316.0	<321.0	690.00	miss	690.00	37.00	12.00	49.00	13.00	5.00	<5.00
16/ 0 H 3 1749 560	40.3	51.80	39.20	<4.00	9.00	64.00	82.00	202.00	296.00	97.00	97.00	<754.0	<754.0	2102.00	miss	2102.00	37.00	10.00	47.00	14.00	<4.00	
Mean	49.5	60.50	50.70	<5.33	10.33	42.00	52.00	113.00	160.33	53.00	53.00	<<436.0	<<439.0	1189.33	.	1189.33	38.33	11.67	50.00	16.00	<4.33	
Minim.	40.3	51.80	39.20	<4.00	9.00	24.00	33.00	60.00	79.00	26.00	26.00	238.0	<242.0	690.00	.	690.00	37.00	10.00	47.00	13.00	<4.00	
Maxim.	63.1	68.90	60.40	7.00	13.00	64.00	82.00	202.00	296.00	97.00	97.00	<754.0	<754.0	2102.00	.	2102.00	41.00	13.00	54.00	21.00	<5.00	
St.dev	12.0	8.55	10.71	1.53	2.31	20.30	26.29	77.54	118.26	38.43	38.43	278.1	275.6	791.56	.	791.56	2.31	1.53	3.61	4.36	0.58	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

miss(3) ! Missing value.

Tab.width cont'd GADU MOR, LI, J62, 67B Strandebar, 901009.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Lght Lrgt Repl. F/M year g mm no.	NIVA	
	ppm	w.wt
14/ 0 H 2 1077 454	0.050	
15/ 0 H 3 1406 513	1.790	
16/ 0 H 3 1749 560	4.380	
Mean	2.073	
Minim.	0.050	
Maxim.	4.380	
St.dev	2.179	
Count	3	3

Sample.No 14 : NIVA no. 13,04,07,02,10.
 Sample.No 15 : NIVA no. 01,08,05.
 Sample.No 16 : NIVA no. 09,03,11,06,12.

Tab.width cont'd GADU MOR, LI, J62, 67B Strandebarrow, 911023.

Sample/ Repl. no.	Sex F/M	Age year	Wght g	Lngt mm	NIVA		HCHG		HC		Σ(*)		NIVA		HCB		QCB		OCS		EPOCLI	
					ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/ 0	F	2	639	400	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
02/ 0	F	2	797	430	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/ 0	F	2	772	440	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
04/ 0	M	3	960	450	<5.00	11.00	<16.00	<16.00	13.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
05/ 0	M	3	1184	470	<5.00	11.00	<16.00	<16.00	7.00	8.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
07/ 0	F	3	1197	470	<5.00	8.00	<13.00	<13.00	8.00	8.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
08/ 0	M	3	1103	480	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
09/ 0	F	3	1139	510	<5.00	6.00	<11.00	<11.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
10/ 0	F	4	1316	510	<5.00	10.00	<15.00	<15.00	6.00	6.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
11/ 0	M	4	1264	510	<5.00	8.00	<13.00	<13.00	11.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
13/ 0	F	3	1253	510	<5.00	7.00	<12.00	<12.00	7.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
14/ 0	M	3	1325	520	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
15/ 0	M	3	1384	520	<5.00	16.00	<21.00	<21.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
16/ 0	M	4	1305	520	<5.00	11.00	<16.00	<16.00	12.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
17/ 0	M	3	1366	530	<5.00	8.00	<13.00	<13.00	9.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
19/ 0	M	3	1595	540	<5.00	6.00	<11.00	<11.00	8.00	8.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
20/ 0	M	3	1516	550	<5.00	6.00	<11.00	<11.00	9.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
21/ 0	M	4	1644	550	<5.00	7.00	<12.00	<12.00	11.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
23/ 0	F	4	1487	570	<5.00	12.00	<17.00	<17.00	14.00	14.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean	3.1	1223	499		<5.00	<8.00	<11.68	<11.68	<8.63	<8.63	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Minim.	2	639	400		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.	4	1644	570		<5.00	16.00	<21.00	<21.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
St.dev	0.7	275	45		~0.00	~3.07	~4.78	~4.78	~3.52	~3.52	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~9.193
Count	19	19	19		19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19

Sample.No 04 : Skin with ulceration, lymphocytic areas and/or lesions

Sample.No 09 : Bacterial fin rot

Sample.No 15 : Bacterial fin rot

Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions

Sample.No 19 : Diverse

Sample.No 21 : Diverse

Sample.No 23 : Muscle with signs of inner bleeding

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: J62 Hardangerfjorden, Tissue : LIVER.
 Locality : 67B Strandeabarm, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch.date : 921201, Count: 8, Sample type: Individual.
 Comment : Station name : Strandeabarm

Sample no.	Sex	Age	F/M	Lght	Lght	g	mm	Mean		Fat		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)					
								W	WT	%	ppm																ppb	ppb	ppb	ppb	ppb
01/0	M	3	884	430	10.4	34.60	19.10	0.106	10.300	0.030	33.60	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340		
02/0	M	1	1110	430	192.6	79.10	74.60	0.008	1.950	<0.30	7.70	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
03/0	F	2	1198	450	73.9	59.60	25.40	0.023	4.870	<0.30	12.80	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
04/0	F	2	1110	470	45.1	72.00	64.50	0.098	5.450	0.090	18.40	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
05/0	M	5	1069	470	19.3	45.00	30.30	0.317	9.720	0.320	38.90	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
06/0	M	3	1186	490	40.2	63.40	52.90	0.174	13.200	0.460	30.80	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
07/0	F	3	2103	560	229.6	79.40	55.10	<0.005	3.660	<0.30	9.80	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
08/0	M	3	1849	590	62.7	60.60	49.80	0.027	4.490	0.030	20.50	311	340	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
Mean		2.8	1314	486	84.2	61.71	46.46	<0.095	6.705	<0.128	21.56																				
Minim.		1	884	430	10.4	34.60	19.10	0.007	1.950	<0.30	7.70																				
Maxim.		5	2103	590	229.6	79.40	74.60	0.317	13.200	0.460	38.90																				
St.dev		1.2	425	59	81.6	15.78	19.63	0.108	3.890	0.168	11.65																				
Count		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	

Tab.width cont'd GADU MOR, LI, J62, 67B Strandeabarm, 921201.

Sample no.	Sex	Age	F/M	Lght	Lght	g	mm	Mean		Fat		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)						
								W	WT	%	ppm																ppb	ppb	ppb	ppb	ppb	ppb
01/0	M	3	884	430	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
02/0	M	1	1110	430	12.00	15.00	27.00	15.00	<5.00	<5.00	<5.00	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
03/0	F	2	1198	450	<5.00	6.00	<11.00	<5.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
04/0	F	2	1110	470	10.00	21.00	31.00	14.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
05/0	M	5	1069	470	<5.00	6.00	<11.00	7.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
06/0	M	3	1186	490	8.00	13.00	21.00	7.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
07/0	F	3	2103	560	7.00	10.00	17.00	11.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
08/0	M	3	1849	590	6.00	10.00	16.00	9.00	<5.00	<5.00	<5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Mean		2.8	1314	486	<<7.25	<10.75	<<17.38	<<9.13	<<5.00	<<5.00	<<5.00																					
Minim.		1	884	430	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00																					
Maxim.		5	2103	590	12.00	21.00	31.00	15.00	<5.00	<5.00	<5.00																					
St.dev		1.2	425	59	7.26	5.44	8.68	3.87	7.00	7.00	7.00																					
Count		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	

Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **841000**, Count: 13, Sample type: **Individual**.

Samp/ Repl. no.	F/M year	g	mm	Analytical Lab. :		VETN		VETN		VETN		Σ (*)		VETN	
				Code. :	Detection Limit :	Dry %	Fat %	230	210	210	210	!	!	!	!
01/ 0	M	1200	510			0.230	15.80	0.230	1.200	160.00	160.00	160.00	10.00	10.00	10.00
02/ 0	M	1400	540			0.290	36.19	0.290	0.870	100.00	100.00	100.00	30.00	30.00	30.00
03/ 0	F	2900	690			0.100	80.20	0.100	1.200	220.00	220.00	220.00	60.00	60.00	60.00
04/ 0	M	2000	620			0.070	53.80	0.070	1.200	290.00	290.00	290.00	60.00	60.00	60.00
05/ 0	M	1200	530			0.130	26.20	0.130	1.600	290.00	290.00	290.00	10.00	10.00	10.00
06/ 0	M	1000	470			0.060	53.40	0.060	0.830	160.00	160.00	160.00	40.00	40.00	40.00
07/ 0	M	350	340			0.250	19.40	0.250	0.350	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00
08/ 0	M	1020	510			0.420	24.10	0.420	0.630	60.00	60.00	60.00	<10.00	<10.00	<10.00
09/ 0	M	930	470			0.090	25.70	0.090	0.600	130.00	130.00	130.00	<10.00	<10.00	<10.00
10/ 0	F	720	440			0.150	22.30	0.150	0.250	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00
11/ 0	F	270	320			0.280	17.20	0.280	0.140	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00
12/ 0	F	1750	570			0.080	44.40	0.080	0.990	140.00	140.00	140.00	20.00	20.00	20.00
13/ 0	M	1000	470			0.080	51.20	0.080	1.400	190.00	190.00	190.00	30.00	30.00	30.00
Mean		1211	498			0.172	35.81	0.172	0.866	<145.38	<145.38	<145.38	<23.85	<23.85	<23.85
Minim.		270	320			0.060	17.20	0.060	0.140	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00
Maxim.		2900	690			0.420	58.70	0.420	1.600	290.00	290.00	290.00	60.00	60.00	60.00
St.dev		700	101			0.112	14.42	0.112	0.454	~85.01	~85.01	~85.01	~18.95	~18.95	~18.95
Count		13	13			13	13	13	13	13	13	13	13	13	13

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **851127**, Count: 10, Sample type: **Homogenate**.
 Comment : All samples were infected with metacercari of Cryptocotyle lingua on skin tissue

Samp/ Repl. no.	F/M year	g	mm	Analytical Lab. :		VETN		VETN		VETN		Σ (*)		VETN	
				Code. :	Detection Limit :	Dry %	Fat %	230	210	210	210	!	!	!	!
11/ 1	X	3	1349	481			38.30	45.70	0.100	0.380	50.00	50.00	50.00	30.00	30.00
11/ 2							38.30	45.70	0.090	0.350	50.00	50.00	50.00	30.00	30.00
Mean		3.0	1349	481			38.30	45.70	0.095	0.365	50.00	50.00	50.00	30.00	30.00
Minim.		3	1349	481			38.30	45.70	0.095	0.365	50.00	50.00	50.00	30.00	30.00
Maxim.		3	1349	481			38.30	45.70	0.095	0.365	50.00	50.00	50.00	30.00	30.00
St.dev															
Count		1	1	1			1	1	1	1	1	1	1	1	1

Sample.No 11 : Bulk livers of fish 01-10: min.2.4g, max.=287.3g, sd.=89.67g
 LIVER : Dry weight reanalysis = 49.4%. Ext. lipid reanalysis = 38.3% (no difference!).

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 1, Sample type: **Individual**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	Σ (*)	NACE	Σ (*)	NACE	NACE	
Analysis Code. :	312	311	312	311	312	311	510	!	510	!	510	610	
Detection Limit :	0.030	0.150	0.150	0.150	0.150	3.00	20.00	!	40.00	!	30.00	10.00	
Mean	<u>Fat</u>	<u>Cd</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>DD</u>	<u>DEPP</u>	<u>DD</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>	
Samp/ Sex Age Wght Ingt	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	
Repl. F/M year g mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	
no.													
01/ 0 F 2 2300 640	62.0	68.76	53.20	0.100	38.700	0.300	43.20	0.340	90.00	<40.00	<130.00	90.00	20.00
													1.100

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **871020**, Count: 1, Sample type: **Individual**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	Σ (*)	NACE	Σ (*)	NACE	NACE
Analysis Code. :	312	311	312	311	312	311	510	!	510	!	510	610
Detection Limit :	0.030	0.150	0.150	0.150	0.150	3.00	40.00	!	40.00	!	40.00	0.800
Mean	<u>Fat</u>	<u>Cd</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>DD</u>	<u>DEPP</u>	<u>DD</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>
Samp/ Sex Age Wght Ingt	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppm
Repl. F/M year g mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
no.												
01/ 0 F 1 60 200	0.4	.	.	1.000	24.200	1.230	201.00					

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 4, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	Σ (*)	NACE	Σ (*)	NACE	NACE
Analysis Code. :	312	311	312	311	312	311	510	!	510	!	510	610
Detection Limit :	0.030	0.150	0.150	0.150	0.150	3.00	40.00	!	40.00	!	40.00	0.800
Mean	<u>Fat</u>	<u>Cd</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>DD</u>	<u>DEPP</u>	<u>DD</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>	<u>HC</u>
Samp/ Sex Age Wght Ingt	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppm
Repl. F/M year g mm	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
no.												
01/ 0 X 3 1154 471	72.70	66.40	0.040	8.590	<.120	38.00	1.970	240.00	180.00	420.00	<40.00	<40.00
												1.750

Sample.No 01 : Bulk of spec.no. 1-4

Tab.width cont'd GADU MOR, LI, J99, 98B Lille Molla, 921201.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	mm	NIVA		Σ(*)		NIVA		NIVA		NIVA	
						ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/0	M	6	1416	500		6.00	5.00	11.00	24.00	24.00	5.00	5.00	5.00	5.00	5.00
02/0	M	4	1386	520		<5.00	<5.00	<5.00	9.00	9.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/0	F	3	1603	530		8.00	7.00	15.00	8.00	8.00	8.00	<5.00	<5.00	<5.00	<5.00
04/0	M	6	1951	535		5.00	5.00	<10.00	22.00	22.00	<5.00	<5.00	<5.00	<5.00	<5.00
05/0	M	4	1836	540		5.00	<5.00	<10.00	14.00	14.00	<5.00	<5.00	<5.00	<5.00	<5.00
06/0	M	5	1677	540		9.00	8.00	17.00	21.00	21.00	<5.00	<5.00	<5.00	<5.00	<5.00
07/0	M	6	1763	540		6.00	5.00	11.00	17.00	17.00	<5.00	<5.00	<5.00	<5.00	<5.00
08/0	F	3	1969	540		5.00	<5.00	<10.00	14.00	14.00	<5.00	<5.00	<5.00	<5.00	<5.00
09/0	F	4	1826	540		6.00	6.00	12.00	15.00	15.00	<5.00	<5.00	<5.00	<5.00	<5.00
10/0	F	3	1819	550		7.00	6.00	13.00	16.00	16.00	<5.00	<5.00	<5.00	<5.00	<5.00
11/0	M	6	2070	550		11.00	10.00	21.00	22.00	22.00	<5.00	<5.00	<5.00	<5.00	<5.00
12/0	M	5	1848	570		8.00	7.00	15.00	22.00	22.00	<5.00	<5.00	<5.00	<5.00	<5.00
13/0	M	5	2174	570		6.00	5.00	11.00	18.00	18.00	<5.00	<5.00	<5.00	<5.00	<5.00
14/0	M	6	2101	580		15/0	M	4	2194	585	10.00	9.00	19.00	20.00	<5.00
15/0	M	4	2194	585		<5.00	<5.00	<5.00	10.00	10.00	<5.00	<5.00	<5.00	<5.00	<5.00
16/0	F	5	2101	590		10.00	9.00	19.00	20.00	20.00	<5.00	<5.00	<5.00	<5.00	<5.00
17/0	M	5	2138	595		6.00	5.00	11.00	37.00	37.00	<5.00	<5.00	<5.00	<5.00	<5.00
18/0	M	7	2138	595		8.00	7.00	15.00	12.00	12.00	<5.00	<5.00	<5.00	<5.00	<5.00
19/0	M	6	2620	600		7.00	6.00	13.00	24.00	24.00	<5.00	<5.00	<5.00	<5.00	<5.00
20/0	F	4	2511	610		<5.00	<5.00	<5.00	48.00	48.00	<5.00	<5.00	9.00	9.00	9.00
21/0	M	5	1931	620		7.00	5.00	11.00	30.00	30.00	<5.00	<5.00	<5.00	<5.00	<5.00
22/0	F	5	2517	640		12.00	10.00	22.00	33.00	33.00	<5.00	<5.00	<5.00	<5.00	<5.00
23/0	F	5	2516	650		<5.00	<5.00	<5.00	55.00	55.00	<5.00	<5.00	<5.00	<5.00	<5.00
24/0	M	5	2883	670		<5.00	<5.00	<5.00	21.92	21.92	<<5.00	<<5.00	<<5.32	<<5.32	<<5.32
25/0	M	4	2768	700		<5.00	<5.00	<5.00	8.00	8.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean		4.8	2070	578		<7.04	<<6.28	<<12.52	21.92	21.92	<<5.00	<<5.00	<<5.32	<<5.32	<<5.32
Minim.		3	1386	500		12.00	10.00	22.00	55.00	55.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.		7	2883	700		~2.05	~1.70	~4.78	11.40	11.40	~0.00	~0.00	~1.11	~1.11	~1.11
St.dev		1.1	393	50											
Count		25	25	25											

Sample.No 02 : Liver with necrotic cysts or tumors
 Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 04 : Muscle with signs of inner bleeding
 Sample.No 05 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 06 : body unusually soft
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic cysts or tumors
 Sample.No 10 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 11 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 12 : Liver with necrotic areas and/or discolouration
 Sample.No 13 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 15 : Liver with necrotic areas and/or discolouration
 Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 17 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration
 Sample.No 18 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 19 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 20 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 21 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 22 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration
 Sample.No 23 : Muscle with signs of inner bleeding Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 24 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 25 : Liver with necrotic cysts or tumors

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch, date : **841126**, Count: 29, Sample type: **Individual**.

Analytical Lab. :		VETN		VETN							
Analysis Code. :		220		211							
Detection Limit :		0.010		0.050							
Samp/	Sex	Age	Wght	Lngt							
Repl. no.	F/M	year	g	mm	Dry %	Fat %	Hg ppm	PCB ppm	w. wt	w. wt	
01/0	F	1	550	390	22.50	.	0.120	<0.050			
02/0	M	1	795	410	22.50	.	0.150	<0.050			
03/0	F	1	1550	550	22.30	.	0.230	<0.050			
04/0	M	2	726	450	20.50	.	0.200	<0.050			
05/0	F	1	824	420	24.90	.	0.230	<0.050			
06/0	F	1	515	380	23.20	.	0.140	<0.050			
07/0	M	2	1613	550	23.50	.	0.200	<0.050			
08/0	F	1	783	430	24.40	.	0.140	<0.050			
09/0	M	2	941	460	20.50	.	0.100	<0.050			
10/0	M	1	1115	540	21.30	.	0.130	<0.050			
11/0	F	2	1438	530	21.70	.	0.150	<0.050			
12/0	F	2	1592	540	24.40	.	0.230	<0.050			
13/0	M	1	1329	490	19.89	.	0.190	<0.050			
14/0	M	2	1263	510	20.00	.	0.140	<0.050			
15/0	F	2	954	500	18.59	.	0.150	<0.050			
16/0	F	1	1259	530	21.90	.	0.180	<0.050			
17/0	M	1	789	430	20.30	.	0.080	<0.050			
18/0	F	2	600	410	20.70	.	0.120	<0.050			
19/0	M	1	1081	480	20.80	.	0.110	<0.050			
20/0	M	1	1316	510	19.70	.	0.160	<0.050			
21/0	M	2	1391	510	20.50	.	0.130	<0.050			
22/0	M		324	330	22.50	.	0.110	<0.050			
23/0	F		540	370	20.30	.	0.110	<0.050			
24/0	M		545	380	22.10	.	0.080	<0.050			
25/0	F		442	360	23.70	.	0.130	<0.050			
26/0	M	1	387	350	24.50	.	0.120	<0.050			
27/0	M	1	532	410	21.80	.	0.170	<0.050			
28/0	M		366	330	19.59	.	0.100	<0.050			
29/0	M	1	459	370	21.30	.	0.210	<0.050			
Mean	1.4		897	446	21.72	.	0.149	<<.050			
Minim.	1		324	330	18.59	.	0.080	<0.050			
Maxim.	2		1613	550	24.90	.	0.230	<0.050			
St.dev	0.5		412	72	1.68	.	0.044	~0.000			
Count	23		29	29	29	.	29	29			

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : **851111**, Count: 25, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Analytical Lab. :		VETN		VETN	
						Code. :	Detection Limit :	0.010	Hg	P	CB	ppm	ppm
F/M	year	g	mm			Dry	Fat				
						%	%		w.wt	w.wt	w.wt
01/ 0	F	2	267	310		20.70	.	0.100	<0.060	220	211
02/ 0	F	2	468	370		19.59	.	0.150	<0.050	0.010	0.050
03/ 0	M	2	455	350		19.70	.	0.110	<0.050		
04/ 0	F	3	516	400		18.30	.	0.090	<0.050		
05/ 0	M	2	245	290		20.09	.	0.070	<0.050		
06/ 0	F	2	454	360		19.50	.	0.080	<0.050		
07/ 0	F	2	549	390		19.50	.	0.120	<0.050		
08/ 0	M	2	291	320		19.30	.	0.070	<0.050		
09/ 0	M	2	340	320		22.20	.	0.100	<0.050		
10/ 0	F	2	548	380		21.40	.	0.120	<0.050		
11/ 0	M	1	332	350		19.80	.	0.080	<0.050		
12/ 0	M	2	338	340		20.09	.	0.080	<0.050		
13/ 0	M	2	212	320		19.89	.	0.060	<0.050		
14/ 0	M	2	635	420		19.30	.	0.080	<0.050		
15/ 0	M	2	437	380		19.20	.	0.070	<0.050		
16/ 0	F	2	347	340		20.40	.	0.110	<0.050		
17/ 0	F	4	617	420		19.50	.	0.120	<0.050		
18/ 0	F	2	379	340		20.30	.	0.100	<0.050		
19/ 0	F	2	376	330		20.90	.	0.080	<0.050		
20/ 0	F	2	377	330		20.20	.	0.180	<0.050		
21/ 0	M	2	348	330		20.90	.	0.130	<0.050		
22/ 0	F	1	360	340		20.40	.	0.070	<0.050		
23/ 0	F	2	391	350		20.60	.	0.090	<0.050		
24/ 0	F	2	316	340		19.89	.	0.070	<0.050		
25/ 0	F	2	310	330		21.00	.	0.070	<0.050		
Mean	2.0		396	350		20.11	.	0.096	<<.050		
Minim.	1		212	290		18.30	.	0.060	<0.050		
Maxim.	4		635	420		22.20	.	0.180	<0.060		
St.dev	0.5		111	33		0.82	.	0.029	~0.002		
Count	25		25	25		25	.	25	25		

Sample.No 01 :
 MUSCLE : NOTE: DETECTION LIMIT FOR PCB BY VETN = <0.05

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°44.00N, Longitude: 10°32.00E.
 Catch,date : **861119**, Count: 25, Sample type: **Individual**.
 Comment : Station name : Oslo City area

Analytical Lab. :		NIVA		NACE		
Analysis Code. :		310		511		
Detection Limit :		0.010		0.020		
Samp/ Repl.	Sex Age Wght Lngt	Dry %	Fat %	Hg ppm	PCB ppm	
F/M	year	g	mm	d.wt	w.wt	
01/ 0	F	1	645	400	0.370	0.030
02/ 0	M	2	565	400	0.420	0.030
03/ 0	F	1	395	360	0.260	0.030
04/ 0	F	1	450	370	0.450	0.020
05/ 0	M	2	415	365	0.380	<0.020
06/ 0	M	1	520	365	0.440	0.030
07/ 0	M	1	510	395	0.320	0.020
08/ 0	F	1	355	340	0.490	<0.020
09/ 0	F	1	850	450	0.310	0.020
10/ 0	F	2	915	470	0.460	<0.020
11/ 0	M	1	555	390	0.400	0.030
12/ 0	M	1	615	400	1.410	0.020
13/ 0	F	2	700	425	0.240	0.020
14/ 0	M	1	500	380	0.560	0.020
15/ 0	F	1	735	440	0.270	0.020
16/ 0	F	1	625	415	0.530	0.020
17/ 0	M	1	395	355	0.640	<0.020
18/ 0	M	1	570	380	0.490	<0.020
19/ 0	M	1	575	390	0.350	<0.020
20/ 0	M	1	480	385	0.360	0.030
21/ 0	M	1	545	390	0.330	0.020
22/ 0	F	1	845	445	0.500	0.030
23/ 0	M	1	725	415	0.360	0.020
24/ 0	F	1	635	410	0.250	<0.020
25/ 0	M	1	585	405	0.340	<0.020
Mean		1.2	588	398	0.437	<<.023
Minim.		1	355	340	0.240	<0.020
Maxim.		2	915	470	1.410	0.030
St.dev		0.4	146	32	0.227	~0.005
Count		21	25	25	25	25

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 03 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 08 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 09 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 10 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 14 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 16 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 24 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : **871111**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :	Detection Limit :	310	511	310	511
Samp/ Repl. no.	Sex Age Wght Lngt F/M year g mm	Dry %	Fat %	Hg ppm d.wt	PCB ppm w.wt
01/ 0	F 3 642 425	19.89	0.10	0.220	<0.020
02/ 0	F 1 771 440	21.40	0.10	0.190	<0.020
03/ 0	F 2 734 425	20.70	0.10	0.200	<0.020
04/ 0	F 2 866 465	20.70	0.10	0.180	<0.020
05/ 0	F 1 871 460	20.90	0.10	0.180	<0.020
06/ 0	F 2 683 420	20.30	0.10	0.150	<0.020
07/ 0	M 2 665 430	20.50	0.10	0.320	0.020
08/ 0	M 2 754 440	20.50	0.10	0.190	<0.020
09/ 0	M 2 764 430	19.89	0.10	0.160	0.090
10/ 0	F 2 831 455	20.70	0.30	0.180	0.030
11/ 0	F 2 840 445	20.50	0.05	0.170	0.080
12/ 0	F 2 673 440	19.09	0.10	0.280	<0.020
13/ 0	F 2 931 450	18.09	0.05	0.150	0.020
14/ 0	M 2 666 420	21.70	0.10	0.180	<0.020
15/ 0	M 2 529 410	19.89	0.10	0.250	<0.020
16/ 0	F 2 665 430	19.30	0.10	0.180	0.030
17/ 0	F 2 578 405	20.09	0.10	0.170	0.070
18/ 0	M 2 615 425	20.50	0.10	0.300	0.050
19/ 0	F 2 698 445	19.59	0.10	0.200	0.020
20/ 0	M 2 604 400	20.00	0.10	0.170	0.020
21/ 0	M 2 749 425	20.50	0.20	0.160	<0.020
22/ 0	F 2 643 440	20.40	0.10	0.190	<0.020
23/ 0	F 2 532 425	18.80	0.10	0.230	0.040
24/ 0	F 2 716 435	20.09	0.10	0.190	<0.020
25/ 0	M 2 911 475	20.30	0.10	0.160	<0.020
Mean	2.0 717 434	20.17	0.11	0.198	<<.030
Minim.	1 529 400	18.09	0.05	0.150	<0.020
Maxim.	3 931 475	21.70	0.30	0.320	0.090
St.dev	0.4 112 18	0.78	0.05	0.045	~0.020
Count	25 25 25	25	25	25	25

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 58,30 g tissue used in analysis.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 68,70 g tissue used in analysis.
 Sample.No 03 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 73,60 g tissue used in analysis.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 73,10 g tissue used in analysis.
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 83,80 g tissue used in analysis.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 71,50 g tissue used in analysis.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua
 MUSCLE : 75,20 g tissue used in analysis.
 Sample.No 08 :
 MUSCLE : 78,39 g tissue used in analysis.
 Sample.No 09 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 72,10 g tissue used in analysis.
 Sample.No 10 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 71,89 g tissue used in analysis.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 88,40 g tissue used in analysis.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 61,40 g tissue used in analysis.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 86,90 g tissue used in analysis.
 Sample.No 14 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 72,39 g tissue used in analysis.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 63,40 g tissue used in analysis.
 Sample.No 16 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 68,39 g tissue used in analysis.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 57,00 g tissue used in analysis.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 61,40 g tissue used in analysis.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 68,80 g tissue used in analysis.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 67,70 g tissue used in analysis.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 76,39 g tissue used in analysis.
 Sample.No 22 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 75,39 g tissue used in analysis.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 56,90 g tissue used in analysis.
 Sample.No 24 :
 MUSCLE : 73,00 g tissue used in analysis.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 73,20 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : **890116**, Count: 25, Sample type: **Individual**.

Analytical Lab. : NIVA		310					
Analysis Code. : 0.010		H g					
Detection Limit :		ppm					
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	NIVA
Repl.	F/M	year	g	mm	%	%	d.wt
no.							
01/	0	F	5	2085	610	21.00	0.380
02/	0	M	6	1330	540	20.60	0.670
03/	0	F	4	699	395	22.30	0.280
04/	0	M	5	1150	485	21.00	0.600
05/	0	F	5	869	440	21.90	0.520
06/	0	F	4	638	415	20.90	0.300
07/	0	M	3	474	370	22.00	0.240
08/	0	F	4	451	360	23.00	<.010
09/	0	M	4	546	380	21.80	0.220
10/	0	M	6	1560	595	23.60	1.200
11/	0	M	3	929	455	21.90	0.510
12/	0	F	6	1424	535	21.80	0.170
13/	0	F	3	989	445	22.80	0.200
14/	0	M	6	2403	660	20.20	1.240
15/	0	M	6	1580	585	19.50	1.280
16/	0	M	4	689	395	22.50	0.210
17/	0	M	2	744	430	21.10	0.260
18/	0	M	5	900	495	20.80	0.430
19/	0	F	4	960	460	21.70	0.710
20/	0	M	6	1200	465	22.00	0.710
21/	0	M	4	1073	510	20.90	0.460
22/	0	M	6	918	440	22.10	1.000
23/	0	F	4	872	445	22.60	0.610
24/	0	F	5	2502	665	20.60	0.870
25/	0	M	6	1518	530	21.70	0.720
Mean		4.6	1140	484	21.61	.	<.552
Minim.		2	451	360	19.50	.	<.010
Maxim.		6	2502	665	23.60	.	1.280
St.dev		1.2	556	87	0.95	.	~.353
Count		25	25	25	25	.	25

Sample.No 01 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0114,30 g tissue used in analysis.
 Sample.No 02 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0102,20 g tissue used in analysis.
 Sample.No 03 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0092,60 g tissue used in analysis.
 Sample.No 04 :
 MUSCLE : 0097,80 g tissue used in analysis.
 Sample.No 05 :
 MUSCLE : 0107,90 g tissue used in analysis.
 Sample.No 06 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0097,10 g tissue used in analysis.
 Sample.No 07 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0073,00 g tissue used in analysis.
 Sample.No 08 :
 MUSCLE : 0063,30 g tissue used in analysis.
 Sample.No 09 :
 MUSCLE : 0078,60 g tissue used in analysis.
 Sample.No 10 :
 MUSCLE : 0102,20 g tissue used in analysis.
 Sample.No 11 :
 MUSCLE : 0095,30 g tissue used in analysis.
 Sample.No 12 :
 MUSCLE : 0104,20 g tissue used in analysis.
 Sample.No 13 :
 MUSCLE : 0112,80 g tissue used in analysis.
 Sample.No 14 :
 MUSCLE : 0109,70 g tissue used in analysis.
 Sample.No 15 :
 MUSCLE : 0118,90 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 0087,60 g tissue used in analysis.
 Sample.No 17 :
 MUSCLE : 0098,60 g tissue used in analysis.
 Sample.No 18 :
 MUSCLE : 0103,30 g tissue used in analysis.
 Sample.No 19 :
 MUSCLE : 0107,00 g tissue used in analysis.
 Sample.No 20 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0125,30 g tissue used in analysis.
 Sample.No 21 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0113,20 g tissue used in analysis.
 Sample.No 22 :
 MUSCLE : 0104,40 g tissue used in analysis.
 Sample.No 23 :
 MUSCLE : 0107,30 g tissue used in analysis.
 Sample.No 24 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0106,50 g tissue used in analysis.
 Sample.No 25 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0119,20 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : **890116**, Count: 25, Sample type: **Homogenate**.

• Analytical Lab. :	NACE		
• Analysis Code. :	511		
• Detection Limit :	0.020		
Samp/ Sex Age Wght Lngt	Dry	Fat	PCB
Repl. F/M year g mm	%	%	ppm
no.			w.wt
26/ 0 X 5 1140 484	21.60	0.30	0.030

Sample.No 26 : Bulk of spec.no. 1-25

MUSCLE : bulk of spec.no. 1-25 (muscle)

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: J26 Oslofjorden, Tissue : MUSCLE.
 Locality : 30B Oslo City area, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : 891113, Count: 25, Sample type: Individual.
 Comment : Station name : Oslo City area

		Analytical Lab. : NIVA							
		Analysis Code. : 310		0.100					
		Detection Limit : 0.100							
Samp/	Sex	Age	Wght	Lngt		Dry	Fat	Hg	
Repl.	F/M	year	g	mm	no.	%	%	ppm	d.wt
01/ 0	F	7	2165	610		16.27	.	0.600	
02/ 0	F	5	2723	670		22.31	.	0.800	
03/ 0	F	5	1806	550		17.47	.	0.600	
04/ 0	M	3	960	450		22.68	.	0.400	
05/ 0	F	2	1412	500		21.71	.	0.600	
06/ 0	M	2	1403	535		26.23	.	0.300	
07/ 0	F	2	2378	615		26.78	.	0.300	
08/ 0	F	3	1860	570		22.02	.	0.700	
09/ 0	M	4	1519	540		29.98	.	0.500	
10/ 0	M	2	1415	510		22.55	.	0.500	
11/ 0	F	5	2513	625		22.42	.	0.900	
12/ 0	F	3	1821	560		22.42	.	0.800	
13/ 0	M	5	2254	620		24.45	.	1.200	
14/ 0	M	5	1891	555		21.16	.	1.100	
15/ 0	M	6	1851	580		21.14	.	1.000	
16/ 0	M	1	1042	470		24.62	.	0.500	
17/ 0	M	2	1024	505		21.63	.	0.500	
18/ 0	F	4	1201	510		22.06	.	0.600	
19/ 0	F	2	1104	475		20.88	.	0.800	
20/ 0	F	3	898	475		21.14	.	0.700	
21/ 0	F	3	858	445		21.47	.	0.600	
22/ 0	F	2	761	425		22.73	.	0.300	
23/ 0	M	2	1284	470		22.35	.	0.400	
24/ 0	M	2	1084	470		23.82	.	0.500	
25/ 0	F	2	1037	475		21.68	.	1.000	
Mean	3.3	1531	528			22.48	.	0.648	
Minim.	1	761	425			16.27	.	0.300	
Maxim.	7	2723	670			29.98	.	1.200	
St.dev	1.6	564	66			2.69	.	0.250	
Count	25	25	25			25	.	25	

Sample.No 01 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0078,50 g tissue used in analysis.
 Sample.No 02 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0108,00 g tissue used in analysis.
 Sample.No 03 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0072,10 g tissue used in analysis.
 Sample.No 04 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0089,30 g tissue used in analysis.
 Sample.No 05 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0114,10 g tissue used in analysis.
 Sample.No 06 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0106,30 g tissue used in analysis.
 Sample.No 07 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0129,80 g tissue used in analysis.
 Sample.No 08 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0115,40 g tissue used in analysis.
 Sample.No 09 :
 MUSCLE : 0095,60 g tissue used in analysis.
 Sample.No 10 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0106,10 g tissue used in analysis.
 Sample.No 11 : Skin with metacercari cf. Cryptocotyle lingua, considerable.
 MUSCLE : 0143,20 g tissue used in analysis.
 Sample.No 12 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0116,70 g tissue used in analysis.
 Sample.No 13 :
 MUSCLE : 0103,30 g tissue used in analysis.
 Sample.No 14 :
 MUSCLE : 0089,90 g tissue used in analysis.
 Sample.No 15 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0094,20 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 0092,40 g tissue used in analysis.
 Sample.No 17 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0081,70 g tissue used in analysis.
 Sample.No 18 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0085,10 g tissue used in analysis.
 Sample.No 19 : Uncertain age determination
 MUSCLE : 0103,90 g tissue used in analysis.
 Sample.No 20 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0101,60 g tissue used in analysis.
 Sample.No 21 :
 MUSCLE : 0104,10 g tissue used in analysis.
 Sample.No 22 :
 MUSCLE : 0091,50 g tissue used in analysis.
 Sample.No 23 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0116,00 g tissue used in analysis.
 Sample.No 24 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0105,90 g tissue used in analysis.
 Sample.No 25 : Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0096,30 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°52.00N, Longitude: 10°39.00E.
 Catch,date : **891113**, Count: 25, Sample type: **Homogenate**.
 Comment : Station name : Oslo City area

• Analytical Lab. :	NACE		
• Analysis Code. :	511		
• Detection Limit :	0.020		
Sample/ Sex Age Wght Lngt	Dry	Fat	PCB
Repl. F/M year g mm	%	%	ppm
no.			w.wt
26/ 0 H 3 1531 528	22.13	0.44	<0.020

Sample.No 26 : Bulk of ind. no. 1-25

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude : 59°44.00N, Longitude: 10°32.00E.
 Catch,date : **901204**, Count: 25, Sample type: **Individual**.
 Comment : Station name : Oslo City area

		Analytical Lab. :		NIVA			
		Analysis Code. :		310			
		Detection Limit :		0.010			
Samp/	Sex	Age	Wght	Lngt			
Repl.	F/M	year	g	mm	Dry	Fat	
no.					%	%	H g
							ppm
							w.wt
01/	0	M	3	744	420	19.80	0.120
02/	0	M	4	1161	460	19.90	0.130
03/	0	F	5	1147	470	19.80	0.120
04/	0	M	4	1028	480	18.50	0.070
05/	0	F	3	977	480	19.60	0.050
06/	0	M	4	1035	480	18.80	0.070
07/	0	F	3	1484	490	19.80	0.130
08/	0	M	6	1568	500	19.40	0.120
09/	0	F	3	1334	510	19.70	0.140
10/	0	F	4	1580	510	20.00	0.140
11/	0	M	4	1644	530	19.50	0.140
12/	0	F	5	1632	540	20.20	0.080
13/	0	F	3	1368	540	19.80	0.260
14/	0	M	4	1867	550	20.10	0.080
15/	0	F	4	1765	550	20.30	0.170
16/	0	F	4	1932	560	21.00	0.120
17/	0	F	4	1877	560	20.30	0.100
18/	0	M	4	1979	560	20.90	0.090
19/	0	F	4	2077	570	20.10	0.110
20/	0	F	4	1826	570	19.50	0.140
21/	0	F	4	2243	580	20.40	0.150
22/	0	M	5	2635	620	20.30	0.350
23/	0	F	2	2344	620	20.50	0.080
24/	0	F	2	2708	620	20.70	0.360
25/	0	F	2	2942	650	20.20	0.180
Mean		3.8	1716	537	19.96		0.140
Minim.		2	744	420	18.50		0.050
Maxim.		6	2942	650	21.00		0.360
St.dev		1.0	568	57	0.58		0.078
Count		25	25	25	25		25

Sample.No 01 : NIVA no.6. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 02 : NIVA no.17
 Sample.No 03 : NIVA no.16
 Sample.No 04 : NIVA no.20
 Sample.No 05 : NIVA no.22. skin with metacercariae of cf. Cryptocotyle lingua, skin and oral cavity w/caligiform and larvaecopodiiform copepods
 Sample.No 06 : NIVA no.24. Lateral line necrosis.
 Sample.No 07 : NIVA no.25. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 08 : NIVA no.14
 Sample.No 09 : NIVA no.19
 Sample.No 10 : NIVA no.09
 Sample.No 11 : NIVA no.15. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform and larvaecopodiiform copepods.
 Sample.No 12 : NIVA no.05.
 Sample.No 13 : NIVA no.21. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform and larvaecopodiiform copepods.
 Sample.No 14 : NIVA no.13.
 Sample.No 15 : NIVA no.02.
 Sample.No 16 : NIVA no.04.
 Sample.No 17 : NIVA no.12. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 18 : NIVA no.23
 Sample.No 19 : NIVA no.03
 Sample.No 20 : NIVA no.18
 Sample.No 21 : NIVA no.11
 Sample.No 22 : NIVA no.01. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 23 : NIVA no.08. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 24 : NIVA no.10. Lateral line necrosis.
 Sample.No 25 : NIVA no.07.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°44.00N, Longitude: 10°32.00E.
 Catch, date : **901204**, Count: 25, Sample type: **Bulked**.
 Comment : Station name : Oslo City area

Sample/ Repl. no.	Sex	Age	Weight	Length	Dry %	Fat %	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	Σ(*)	NIVA 341	NIVA 341	Σ(*)		
no.	F/M	year	g	mm	%	%	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	miss	w.wt	ppb	w.wt	miss	w.wt	miss	w.wt	miss	w.wt	miss	w.wt	miss	w.wt	miss	w.wt	
26/0	H	4	1011	462	19.50	0.30	0.06	0.12	0.26	0.09	1.20	1.47	0.38	<0.05	3.6	<3.6	0.53	0.19	0.05	0.24	0.07	0.24	0.05	0.05	0.53	0.19	0.05	0.24	0.07	0.24	0.05	0.05	0.24	0.07	0.24	0.05	<0.05
27/0	H	4	1400	498	19.50	0.30	<0.05	0.10	0.19	0.11	0.85	1.04	0.26	<0.05	<2.6	<2.6	0.34	0.16	0.06	0.22	0.08	0.22	0.06	0.06	0.34	0.16	0.06	0.22	0.08	0.22	0.06	0.06	0.22	0.08	0.22	0.06	<0.05
28/0	H	4	1655	542	20.00	0.30	0.05	0.12	0.32	0.99	1.40	1.71	0.45	<0.05	5.0	<5.1	0.45	0.21	0.08	0.29	0.09	0.29	0.08	0.08	0.45	0.21	0.08	0.29	0.09	0.29	0.08	0.08	0.29	0.09	0.29	0.08	<0.05
29/0	H	4	1938	564	20.40	0.20	0.05	0.15	0.28	0.62	0.91	1.18	0.28	<0.05	3.5	<3.5	0.34	0.26	0.08	0.34	0.10	miss	0.34	0.08	miss	0.34	0.26	0.08	0.34	0.10	miss	0.34	0.08	0.34	0.10	miss	<0.05
30/0	H	3	2233	610	20.40	0.20	0.09	0.31	0.28	0.44	1.58	1.81	0.33	<0.05	4.6	<4.7	0.78	0.25	0.09	0.34	0.10	0.34	0.10	0.08	0.78	0.25	0.09	0.34	0.10	miss	0.34	0.10	0.34	0.10	miss	<0.05	
Mean		3.8	1647	535	19.96	0.26	<0.06	0.16	0.22	0.45	1.19	1.44	0.34	<0.05	<3.9	<3.9	0.49	0.21	0.07	0.29	0.09	0.29	0.07	0.07	0.49	0.21	0.07	0.29	0.09	0.29	0.07	0.07	0.29	0.09	0.29	<0.05	
Minim.		3	1011	462	19.50	0.20	<0.05	0.10	0.06	0.09	0.85	1.04	0.26	<0.05	<2.6	<2.6	0.34	0.16	0.05	0.22	0.07	0.22	0.05	0.05	0.34	0.16	0.05	0.22	0.07	0.22	0.05	0.05	0.22	0.07	0.22	<0.05	
Maxim.		4	2233	610	20.40	0.30	0.09	0.31	0.32	0.99	1.58	1.81	0.45	<0.05	5.0	<5.1	0.78	0.26	0.09	0.34	0.10	0.34	0.10	0.08	0.78	0.26	0.09	0.34	0.10	0.34	0.10	0.34	0.10	0.34	0.10	<0.05	
St.dev		0.4	473	57	0.45	0.05	-0.02	0.09	0.10	0.38	0.31	0.33	0.08	-0.00	-1.0	-1.0	0.18	0.04	0.02	0.06	0.01	0.06	0.01	0.01	0.18	0.04	0.02	0.06	0.01	0.06	0.01	0.06	0.01	-0.00			
Count		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

miss(5)
 i Missing value.
 Sample.No 26 : NIVA no.06,17,16,20,22.
 Sample.No 27 : NIVA no.24,25,14,19,09.
 Sample.No 28 : NIVA no.15,05,21,13,02.
 Sample.No 29 : NIVA no.04,12,23,03,18.
 Sample.No 30 : NIVA no.11,01,08,10,07.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°44.00N, Longitude: 10°32.00E.
 Catch,date : **911003**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA	
Analysis Code. :		510	
Detection Limit :		0.100	
Sample Repl. no.	Sex Age Wght Lngt F/M year g mm	Dry %	Fat %
			Hg ppm W.Wt
01/ 0	F 2 602 400	19.60	0.120
02/ 0	M 2 665 410	-	0.090
03/ 0	F 2 725 410	20.00	0.090
04/ 0	M 2 774 420	19.90	0.100
05/ 0	F 2 750 420	19.90	0.100
06/ 0	M 2 798 430	19.80	0.090
07/ 0	M 2 767 440	19.30	0.060
08/ 0	M 2 906 450	19.40	0.080
09/ 0	M 2 956 450	19.90	0.080
10/ 0	F 2 951 470	19.20	0.080
11/ 0	F 2 1095 490	18.60	0.070
12/ 0	M 2 1132 500	19.40	0.140
13/ 0	F 2 1063 510	19.10	0.100
14/ 0	F 2 1427 510	19.20	0.060
15/ 0	F 3 1155 520	18.20	0.220
16/ 0	F 3 1417 520	18.80	0.140
17/ 0	F 4 1469 550	18.90	0.160
18/ 0	M 3 1656 560	19.20	0.080
19/ 0	F 3 1728 560	19.30	0.090
20/ 0	M 4 2093 600	20.50	<.010
21/ 0	F 4 2433 630	18.10	0.260
22/ 0	M 5 2903 680	18.70	0.150
23/ 0	F 5 3264 720	19.90	<.010
24/ 0	F 5 3768 740	20.50	0.130
25/ 0	F 5 3617 750	19.70	<.010
Mean	2.9 1525 526	19.41	<.101
Minim.	2.2 602 400	18.10	<.010
Maxim.	5 3768 750	20.50	0.260
St.dev	1.2 953 107	0.63	~.058
Count	25 25 25	25	25

Sample.No 02 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 Sample.No 04 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 MUSCLE : 0042.45 g tissue used in analysis.
 Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 06 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
 Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
 Sample.No 11 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 12 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 13 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods
 Sample.No 14 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration
 Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 17 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 18 : Liver with necrotic areas and/or discolouration
 Sample.No 21 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 22 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 23 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 24 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic cysts or tumors
 Sample.No 25 : Skin and/or oral cavity with caligiform and/or lernaepodiiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°44.00N, Longitude: 10°32.00E.
 Catch,date : **911003**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Weight Lrgt Repl. F/M year g mm no.	Dry % Fat %	NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341			
		ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
26/ 0 X 2 703 412	19.90	0.50	0.10	0.52	1.35	1.10	2.19	2.90	3.30	0.14	0.76	<0.05	11.1	<12.4	1.05	0.28	1.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
27/ 0 X 2 876 448	19.50	0.50	0.05	0.24	0.61	0.57	1.33	2.10	2.64	0.08	0.60	<0.05	7.6	<8.3	0.71	0.14	0.85	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
28/ 0 X 2 1174 506	18.90	0.50	0.05	0.37	1.12	1.12	2.58	3.70	4.80	0.16	0.99	<0.05	13.6	<14.9	1.39	0.35	1.74	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
29/ 0 X 3 1672 558	19.30	0.60	<0.05	0.24	0.89	0.90	2.22	3.70	4.56	0.11	1.11	0.07	<12.8	<13.9	1.21	0.28	1.49	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
30/ 0 X 5 3197 704	19.40	0.40	0.08	0.33	0.91	0.83	1.91	3.10	3.70	0.12	0.83	0.06	10.9	11.9	1.24	0.33	1.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Mean	2.8	1524	526																																				
Minim.	2	703	412																																				
Maxim.	5	3197	704																																				
St.dev	1.3	1005	114																																				
Count	5	5	5																																				

Tab.width cont'd **GADU MOR, MU, J26, 30B Oslo City area, 911003.**

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Weight Lrgt Repl. F/M year g mm no.	NIVA 341		OCS	
	ppb	w.wt	ppb	w.wt
26/ 0 X 2 703 412	<0.05	<0.05	<0.05	<0.05
27/ 0 X 2 876 448	<0.05	<0.05	<0.05	<0.05
28/ 0 X 2 1174 506	0.06	0.06	<0.05	<0.05
29/ 0 X 3 1672 558	<0.05	<0.05	<0.05	<0.05
30/ 0 X 5 3197 704	<0.05	<0.05	<0.05	<0.05
Mean	2.8	1524	526	<<0.05
Minim.	2	703	412	<0.05
Maxim.	5	3197	704	0.06
St.dev	1.3	1005	114	~0.00
Count	5	5	5	5

Sample.No 26 : Spec. no. 1-5
 Sample.No 27 : spec. no. 6-10
 Sample.No 28 : spec. no. 11-15.
 Sample.No 29 : Spec. no. 16-20.
 Sample.No 30 : Spec. no. 21-25.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°49.00N, Longitude: 10°33.00E.
 Catch,date : **921230**, Count: 18, Sample type: **Individual**.
 Comment : Station name : Oslo City area Caught by trawl, 70-100m depth

Analytical Lab. :		NIVA					
Analysis Code. :		310					
Detection Limit :		0.100					
Samp/ Repl. no.	Sex Age	Wght g	Lngrt mm	Dry %	Fat %	Hg ppm	w.wt
01/ 0	F	3	520	360	19.00	.	0.120
02/ 0	M	4	537	370	20.70	.	0.100
04/ 0	M	3	672	400	20.50	.	0.110
05/ 0	F	3	770	405	20.10	.	0.130
06/ 0	M	3	837	410	21.20	.	0.060
07/ 0	M	3	807	410	20.10	.	0.110
08/ 0	F	5	737	420	19.30	.	0.100
09/ 0	F	5	925	440	19.00	.	0.110
10/ 0	M	3	990	470	20.40	.	0.120
11/ 0	F	4	1014	480	18.90	.	0.160
12/ 0	M	4	1059	485	18.50	.	0.120
13/ 0	F	4	1399	500	18.50	.	0.260
14/ 0	F	4	1523	510	18.90	.	0.150
15/ 0	F	3	1646	550	19.00	.	0.220
16/ 0	F	4	1663	555	19.10	.	0.140
17/ 0	M	3	1959	560	19.30	.	0.150
18/ 0	F	4	2535	620	20.00	.	0.130
Mean	3.6	1153	467	19.56	.	0.135	
Minim.	3	520	360	18.50	.	0.060	
Maxim.	5	2535	620	21.20	.	0.260	
St.dev	0.7	554	74	0.82	.	0.047	
Count	17	17	17	17	.	17	

Sample.No 01 : Liver with necrotic areas and/or discolouration

Sample.No 06 : Liver with necrotic areas and/or discolouration

Sample.No 09 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration

Sample.No 11 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration Pale gills will scarlet terminal parts

Sample.No 12 : Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration

Sample.No 13 : Liver with necrotic areas and/or discolouration

Sample.No 14 : Liver with necrotic areas and/or discolouration

Sample.No 15 : Liver with necrotic areas and/or discolouration

Sample.No 16 : Liver with necrotic areas and/or discolouration

Sample.No 17 : poorly developed gonads

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30B Oslo City area**, Latitude: 59°49.00N, Longitude: 10°33.00E.
 Catch,date : **921230**, Count: 18, Sample type: **Bulked**.
 Comment : Station name : Oslo City area caught by trawl, 70-100m depth

Analytical Lab. : Analysis Code : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341	
	CB28	CB52	CB101	CB105	CB118	CB138	CB153	CB156	CB180	CB209	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP	DOEPP
19/ 0 X 3 765 409	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
20/ 0 X 4 1077 475	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
21/ 0 X 4 1865 559	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean 3.7 1236 481	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Minim. 3 765 409	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Maxim. 4 1865 559	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
St.dev 0.6 567 75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count 3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd GADU MOR, MU, J26, 30B Oslo City area, 921230.

Analytical Lab. : Analysis Code : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309	
	OC5	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP
19/ 0 X 3 765 409	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
20/ 0 X 4 1077 475	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
21/ 0 X 4 1865 559	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean 3.7 1236 481	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Minim. 3 765 409	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Maxim. 4 1865 559	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
St.dev 0.6 567 75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count 3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd GADU MOR, MU, J26, 30B Oslo City area, 921230.

Analytical Lab. : Analysis Code : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309		NIVA 309	
	COR	DBP	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI	DI
19/ 0 X 3 765 409	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
20/ 0 X 4 1077 475	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
21/ 0 X 4 1865 559	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Mean 3.7 1236 481	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Minim. 3 765 409	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Maxim. 4 1865 559	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
St.dev 0.6 567 75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count 3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 19 : Bulk of NIVA nos.:4,5,6,7,8
 MUSCLE : No PAH registered over detection limit 0.2 ug/kg ww
 Sample.No 20 : Bulk of NIVA nos.:9,10,11,12,13
 MUSCLE : No PAH registered over detection limit 0.2 ug/kg ww.
 Sample.No 21 : Bulk of NIVA nos.:14,15,16,17,18
 MUSCLE : No PAH registered over detection limit 0.2 ug/kg ww

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30X West of Nesodden**, Latitude: 59°48.50N, Longitude: 10°36.00E.
 Catch,date : **930314**, Count: 19, Sample type: **Individual**.
 Comment : Station name : West of Nesodden Extra cod station Caught by siene, 15-40m depth

		Analytical Lab. : NIVA					
		310					
		0.100					
		H g					
		ppm					
		w. wt					
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	
Repl.	F/M	year	g	mm	%	%	
no.							
01/	0	M	3	788	410	18.40	0.080
02/	0	M	3	737	435	19.80	0.080
03/	0	M	4	819	440	18.20	0.060
04/	0	M	3	817	440	20.30	0.050
05/	0	M	3	1006	450	19.00	0.080
06/	0	M	3	858	450	19.90	0.060
07/	0	M	4	1084	470	20.30	0.080
08/	0	M	4	1102	480	19.80	0.050
09/	0	M	4	1036	480	18.60	0.060
10/	0	F	4	1312	490	19.00	0.090
11/	0	F	3	1166	500	19.20	0.090
12/	0	F	4	1295	545	17.50	0.080
13/	0	F	4	2228	580	18.90	0.090
14/	0	F	4	2438	590	18.80	0.210
15/	0	F	4	2543	620	17.90	0.140
16/	0	F	4	3155	680	18.70	0.170
17/	0	M	4	3559	680	19.00	0.230
18/	0	F	6	2958	690	17.70	0.350
19/	0	F	8	3865	720	17.70	0.230
Mean	4.0		1725	534	18.88	0.120	
Minim.	3		737	410	17.50	0.050	
Maxim.	8		3865	720	20.30	0.350	
St.dev	1.2		1045	101	0.86	0.081	
Count	19		19	19	19	19	

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 03 : skin with reddish film
 Sample.No 04 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 08 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 09 : poorly developed roe mass
 Sample.No 12 : Muscle with signs of inner bleeding
 Sample.No 13 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 Sample.No 14 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 18 : Liver and/or intestinal guts with larvae of Anisakis simplex

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30X West of Nesodden**, Latitude: 59°48.50N, Longitude: 10°36.00E.
 Catch, date : **930314**, Count: 19, Sample type: **Bulked**.
 Comment : Station name : West of Nesodden Extra cod station Caught by seine, 15-40m depth

Analytical Lab. : Analysis Code. : Detection Limit : Sample / Sex Age Weight Length Repl. / F/M year g mm	NIVA 341			NIVA 341			NIVA 341			NIVA 341			NIVA 341			NIVA 341			NIVA 341			
	Fat %	Dry %	Σ(*)	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	
20/ 0 X 4 1017 466	0.30	0.50	<<0.10	0.30	0.20	<0.10	0.80	0.90	0.70	1.50	1.30	1.50	0.10	0.10	0.30	<0.10	0.10	0.10	0.10	0.10	0.10	0.10
21/ 0 X 4 1688 541	0.40	0.50	<0.10	0.20	<0.10	0.10	0.90	0.70	2.10	1.80	2.10	0.10	0.10	0.60	<0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
22/ 0 X 5 3216 678	0.33	0.40	<<0.10	<<0.20	<0.10	0.10	0.80	0.70	1.40	1.40	1.70	0.10	0.10	0.53	<<0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean 4.3 1974 562	0.30	0.40	<<0.10	0.20	0.30	0.10	0.70	0.90	1.50	1.30	1.50	0.10	0.10	0.53	<0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Minim. 5 1017 466	0.40	0.50	<0.10	<0.10	0.30	0.10	0.90	0.90	1.50	1.30	1.50	0.10	0.10	0.30	<0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Maxim. 5 3216 678	0.06	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.06	0.40	0.42	0.06	0.21	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
St.dev 0.6 1127 108	0.06	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.06	0.40	0.42	0.06	0.21	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Count 3 3 3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab. width cont'd GADU MOR, MU, J26, 30X West of Nesodden, 930314.

Analytical Lab. : Analysis Code. : Detection Limit : Sample / Sex Age Weight Length Repl. / F/M year g mm	NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309		
	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt
20/ 0 X 4 1017 466	<0.10	2.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
21/ 0 X 4 1688 541	<0.10	3.8	0.7	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22/ 0 X 5 3216 678	<0.10	0.7	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Mean 4.3 1974 562	<0.10	2.4	<<0.4	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2
Minim. 4 1017 466	<0.10	0.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Maxim. 5 3216 678	<0.10	3.8	0.7	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
St.dev 0.6 1127 108	<0.00	1.6	<0.3	<0.1	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0
Count 3 3 3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab. width cont'd GADU MOR, MU, J26, 30X West of Nesodden, 930314.

Analytical Lab. : Analysis Code. : Detection Limit : Sample / Sex Age Weight Length Repl. / F/M year g mm	NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309			NIVA 309		
	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt	ppb	wt	M.Wt
20/ 0 X 4 1017 466	<0.2	<0.2	<3.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
21/ 0 X 4 1688 541	<0.2	<0.2	<5.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22/ 0 X 5 3216 678	<0.2	<0.2	<1.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Mean 4.3 1974 562	<0.2	<0.2	<<3.1	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2
Minim. 4 1017 466	<0.2	<0.2	<1.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Maxim. 5 3216 678	<0.2	<0.2	<5.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
St.dev 0.6 1127 108	<0.0	<0.0	<1.9	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0	<0.0
Count 3 3 3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 20 : Bulk of NIVA nos.:5,6,7,8,9
 Sample.No 21 : Bulk of NIVA nos.:10,11,12,13,14
 Sample.No 22 : Bulk of NIVA nos.:15,16,17,18,19

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **31B Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch, date : **811223**, Count: 10, Sample type: **Individual**.

Analytical Lab. :		SIIF	SIIF	SIIF					
Analysis Code. :		130	120	110					
Detection Limit :		0.005	0.010	0.010					
Samp/	Sex	Fat	Hg	P					
Repl.	Age	%	ppm	C					
F/M	year		w.wt	B					
no.	g		w.wt	ppm					
	mm			w.wt					
01/ 0	M	3	2160	630	19.30	0.37	0.014	0.057	0.030
02/ 0	X	1	430	340	20.80	0.47	0.012	0.034	0.010
03/ 0	F	1	510	370	19.20	0.38	0.009	0.014	0.030
04/ 0	F	1	210	280	20.00	0.41	.	0.020	0.010
05/ 0	X	1	155	280	26.60	0.50	0.051	0.046	0.010
06/ 0	M	3	1350	520	20.30	0.39	0.005	0.116	0.010
07/ 0	F	2	1150	490	20.20	0.46	0.011	0.050	0.010
08/ 0	M	2	1540	530	20.00	0.40	0.015	0.040	0.010
09/ 0	F	3	1540	590	19.30	0.49	0.012	0.088	0.020
10/ 0	F	1	520	370	21.50	0.42	0.005	0.035	0.020
Mean	1.8	957	440		20.72	0.43	0.015	0.050	0.016
Minim.	1	155	280		19.20	0.37	0.005	0.014	0.010
Maxim.	3	2160	630		26.60	0.50	0.051	0.116	0.030
St.dev	0.9	682	128		2.19	0.05	0.014	0.031	0.008
Count	10	10	10	10	10	10	9	10	10

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **31B Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **821200**, Count: 27, Sample type: **Individual**.
 Comment : **SAMPLING DATES: I01-15 : 821020; I16-22 : 821105; I23-24 : 821215; I25-27 : 830223**

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Dry		Fat		VETN		VETN		VETN	
						%	%	ppm	w.wt	ppm	w.wt	ppm	w.wt	ppm	w.wt
01/ 0	F	2	640	400		22.00	0.30	0.060	0.320	<0.050	<0.050				
02/ 0	M	1	530	380		20.00	0.30	0.080	0.250	<0.050	<0.050				
03/ 0	M	2	710	420		22.00	0.30	0.070	0.300	<0.050	<0.050				
04/ 0	F	2	760	420		21.00	0.30	0.090	0.270	<0.050	<0.050				
05/ 0	M	2	740	420		23.00	0.30	0.100	0.250	<0.050	<0.050				
06/ 0	F	2	790	440		22.00	0.40	0.050	0.260	<0.050	<0.050				
07/ 0	M	2	710	440		23.00	0.40	0.050	0.310	<0.050	<0.050				
08/ 0	M	2	900	450		22.00	0.40	0.080	0.300	<0.050	<0.050				
09/ 0	M	2	840	440		22.00	0.40	0.030	0.250	<0.050	<0.050				
10/ 0	F	2	730	430		22.00	0.40	0.040	0.260	<0.050	<0.050				
11/ 0	F	2	1140	510		21.00	0.20	0.080	0.280	<0.050	<0.050				
12/ 0	F	2	1020	480		20.00	0.20	0.090	0.260	<0.050	<0.050				
13/ 0	M	2	1070	510		22.00	0.20	0.090	0.290	<0.050	<0.050				
14/ 0	F	2	990	490		22.00	0.20	0.090	0.240	<0.050	<0.050				
15/ 0	F	2	1270	530		21.00	0.20	0.120	0.260	<0.050	<0.050				
16/ 0	F	2	904	410		21.00	0.50	0.080	0.320	<0.050	<0.050				
17/ 0	M	4	1717	580		23.00	0.50	0.150	0.320	<0.050	<0.050				
18/ 0	M	3	1678	610		22.00	0.50	0.110	0.350	<0.050	<0.050				
19/ 0	F	2	817	460		20.00	0.50	0.080	0.380	<0.050	<0.050				
20/ 0	F	3	2252	630		22.00	0.50	0.300	0.420	<0.050	<0.050				
21/ 0	F	3	1359	580		20.00	0.50	0.120	0.350	<0.050	<0.050				
22/ 0	X	64				20.00	0.20	0.030	0.320	<0.050	<0.050				
23/ 0	M	3	3711	750		21.00	0.20	0.150	0.270	<0.050	<0.050				
24/ 0	M	3	1750	600		21.00	0.20	0.140	0.430	<0.050	<0.050				
25/ 0	F	5	3500	740		24.00	0.20	0.210	0.400	<0.050	<0.050				
26/ 0	F	3	2640	690		23.00	0.20	0.150	0.370	<0.050	<0.050				
27/ 0	F	3	2290	690		24.00	0.20	0.140	0.350	<0.050	<0.050				
Mean		2.4	1316	519		21.70	0.32	0.103	0.310	<<.050	<<.050				
Minim.		1	64	380		20.00	0.20	0.030	0.240	<0.050	<0.050				
Maxim.		5	3711	750		24.00	0.50	0.300	0.430	<0.050	<0.050				
St.dev		0.8	884	111		1.17	0.12	0.058	0.055	~0.000	~0.000				
Count		26	27	26		27	27	27	27	27	27				

r(3) ! Replaced value.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **831201**, Count: 23, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Analytical Lab. :		Dry %	Fat %	VETN		VETN		Σ (*)		VETN		
						F/M	year			g	mm	Hg	P	C	B	DD	Σ	H	C	B	ppb	w.wt
01/0	F	8	7330	1000						1.310	<0.050	<50.00	<50.00	<50.00	<10.00			
02/0	F	2	710	390						0.080	<0.050	<50.00	<50.00	<50.00	<10.00			
03/0	F	3	5000	760						0.200	<0.050	<50.00	<50.00	<50.00	<10.00			
04/0	M	2	540	370						0.090	<0.050	<50.00	<50.00	<50.00	<10.00			
05/0	F	2	500	380						0.120	<0.050	<50.00	<50.00	<50.00	<10.00			
06/0	M	2	1400	520						0.190	<0.050	<50.00	<50.00	<50.00	<10.00			
07/0	F	2	730	420						0.200	<0.050	<50.00	<50.00	<50.00	<10.00			
08/0	F	2	795	440						0.130	<0.050	<50.00	<50.00	<50.00	<10.00			
09/0	F	3	1620	580						0.140	<0.050	<50.00	<50.00	<50.00	<10.00			
10/0	F	2	550	360						0.090	<0.050	<50.00	<50.00	<50.00	<10.00			
11/0	M	2	1270	500						0.130	<0.050	<50.00	<50.00	<50.00	<10.00			
12/0	F	2	1240	480						0.040	<0.050	<50.00	<50.00	<50.00	<10.00			
13/0	M	4	3040	700						0.180	<0.050	<50.00	<50.00	<50.00	<10.00			
14/0	F	3	3050	580						0.180	<0.050	<50.00	<50.00	<50.00	<10.00			
15/0	F	2	320	330						0.110	<0.050	<50.00	<50.00	<50.00	<10.00			
16/0	M	4	2470	640						0.200	<0.050	<50.00	<50.00	<50.00	<10.00			
17/0	F	1	600	400						0.080	<0.050	<50.00	<50.00	<50.00	<10.00			
18/0	F	3	1040	480						0.100	<0.050	<50.00	<50.00	<50.00	<10.00			
19/0	M	2	710	420						0.120	<0.050	<50.00	<50.00	<50.00	<10.00			
20/0	F	3	1620	700						0.150	<0.050	<50.00	<50.00	<50.00	<10.00			
21/0	F	2	650	490						0.050	<0.050	<50.00	<50.00	<50.00	<10.00			
22/0	M	1	650	420						0.120	<0.050	<50.00	<50.00	<50.00	<10.00			
23/0	M	2	500	380						r<.010	<0.050	<50.00	<50.00	<50.00	<10.00			
Mean	2.6		1580	510						r<.175	<<.050	<<50.00	<<50.00	<<50.00	<<10.00			
Minim.	1		320	330						r<.010	<0.050	<50.00	<50.00	<50.00	<10.00			
Maxim.	8		7330	1000						1.310	<0.050	<50.00	<50.00	<50.00	<10.00			
St.dev	1.4		1679	161						0.253	~0.000	~0.00	~0.00	~0.00	~0.00			
Count	23		23	23						23	23	23	23	23	23			

r(3) ! Replaced value.
 Sample.No 01 : A necrotic part on the forehead (ca 1 cm diameter). Some parasites Caligus diaphanus at the skin.
 Sample.No 03 : Some Anisakis larvae in the liver.
 Sample.No 06 : Some Anisakis larvae at the liver surface.
 Sample.No 14 : Some Anisakis larvae at the liver surface.
 Sample.No 16 : Some Anisakis larvae at the liver surface.
 Sample.No 19 : A scar at the basis of the mid-dorsal fin, with some (1 cm dia) brownish-red muscle underneath.
 Sample.No 20 : A few Anisakis larvae and mis-colored parts of the liver.
 Sample.No 21 : A copepod Lernaeocera branchialis at the gills.
 Sample.No 22 : A few Anisakis larvae at the liver surface.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **841214**, Count: 24, Sample type: **Individual**.

.		Analytical Lab. :		VEITN		VEITN						
.		Analysis Code. :		220		211						
.		Detection Limit :		0.010		0.050						
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	Hg	P	C	B	ppm	ppm
Repl.	F/M	year	g	mm	%	%	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/	0	M	3	3018	610	19.59	.	0.240	<0.050	0.050	0.240	<0.050
02/	0	M	4	2389	620	21.30	.	0.260	<0.050	0.050	0.260	<0.050
03/	0	F	4	2787	650	21.80	.	0.240	<0.050	0.050	0.240	<0.050
04/	0	M	5	2363	630	21.00	.	0.360	<0.050	0.050	0.360	<0.050
05/	0	M	4	4279	700	21.10	.	0.280	<0.050	0.050	0.280	<0.050
06/	0	M	3	1930	560	20.80	.	0.200	<0.050	0.050	0.200	<0.050
07/	0	F	3	1871	570	21.50	.	0.160	<0.050	0.050	0.160	<0.050
08/	0	M	3	1336	530	20.50	.	0.160	<0.050	0.050	0.160	<0.050
09/	0	M	3	1765	550	21.30	.	0.190	<0.050	0.050	0.190	<0.050
10/	0	M	1	1655	540	23.00	.	0.120	<0.050	0.050	0.120	<0.050
11/	0	M	2	1027	450	19.70	.	0.080	<0.050	0.050	0.080	<0.050
12/	0	F	3	1168	530	21.10	.	0.190	<0.050	0.050	0.190	<0.050
13/	0	F	2	1281	520	21.30	.	0.150	<0.050	0.050	0.150	<0.050
14/	0	F	2	1217	490	20.80	.	0.080	<0.050	0.050	0.080	<0.050
15/	0	X	3	1255	510	20.30	.	0.090	<0.050	0.050	0.090	<0.050
16/	0	F	2	459	370	19.50	.	0.070	<0.050	0.050	0.070	<0.050
17/	0	M	2	728	430	21.80	.	0.090	<0.050	0.050	0.090	<0.050
18/	0	M	2	691	430	21.30	.	0.060	<0.050	0.050	0.060	<0.050
19/	0	F	2	877	440	20.90	.	0.100	<0.050	0.050	0.100	<0.050
20/	0	F	2	815	440	21.00	.	0.060	<0.050	0.050	0.060	<0.050
21/	0	F	1	517	380	19.50	.	0.030	<0.050	0.050	0.030	<0.050
22/	0	F	1	538	380	21.40	.	0.040	<0.050	0.050	0.040	<0.050
23/	0	F	3	649	430	20.09	.	0.170	<0.050	0.050	0.170	<0.050
24/	0	F	1	612	400	21.80	.	0.030	<0.050	0.050	0.030	<0.050
Mean		2.5	1468	507	20.93	.	0.144	<<0.050			0.144	<<0.050
Minim.		1	459	370	19.50	.	0.030	<0.050			0.030	<0.050
Maxim.		5	4279	700	23.00	.	0.360	<0.050			0.360	<0.050
St.dev		1.1	950	93	0.85	.	0.088	~0.000			0.088	~0.000
Count		24	24	24	24	.	24	24			24	24

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **851216**, Count: 14, Sample type: **Individual**.
 Comment : All samples were infected with metacercari of *Cryptocotyle lingua*. on skin tissue Otoliths from all samples (for age determin.) lost in mail.

Analytical Lab. :		VEIN	VEIN	
Analysis Code. :		220	211	
Detection Limit :		0.010	0.050	
Samp/	Sex	Fat	Hg	PCB
Repl. no.	Age	%	ppm	ppm
F/M	year		w. wt	w. wt
g	mm			
no.				
01/ 0	M	20.60	0.110	<0.050
02/ 0	F	20.20	0.120	<0.050
03/ 0	F	21.00	0.080	<0.050
04/ 0	F	20.70	0.070	<0.050
05/ 0	M	20.40	0.120	<0.050
06/ 0	M	21.30	0.090	<0.050
07/ 0	F	19.40	0.160	<0.050
08/ 0	F	21.30	0.120	<0.050
09/ 0	M	21.40	0.060	<0.050
10/ 0	M	20.30	0.080	<0.050
11/ 0	F	21.30	0.110	<0.050
12/ 0	F	20.70	0.160	<0.050
13/ 0	M	21.90	0.070	<0.050
14/ 0	F	21.00	0.070	<0.050
Mean		20.82	0.101	<<.050
Minim.		19.40	0.060	<0.050
Maxim.		21.90	0.160	<0.050
St.dev		0.63	0.033	~0.000
Count		14	14	14

Sample.No 06 : Surface of liver with a few *Anisakis* larvae
 Sample.No 10 : Surface of liver with a few *Anisakis* larvae

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Færder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **870204**, Count: 25, Sample type: **Individual**.
 Comment : **Extremely cold and stormy conditions Nov.'86 prohibited fishing for local cod (<50m depth)**. Color can be used to help distinguish between local and other cod.

Samp/ Repl. no.	F/M	Sex	Age	Wght	Ingt	mm	Dry %	Fat %	NIVA		NACE	
									Hg ppm	d.wt	310	511
01/	0	F	2	1520	520		19.74	.	0.470	0.470	0.040	0.040
02/	0	F	2	2200	610		19.05	.	0.470	0.470	0.030	0.030
03/	0	M	4	3400	650		20.00	.	0.950	0.950	0.030	0.030
04/	0	M	3	4050	695		19.79	.	0.880	0.880	0.030	0.030
05/	0	F	1	3650	675		20.04	.	0.760	0.760	0.030	0.030
06/	0	F	1	840	435		18.67	.	0.540	0.540	0.020	0.020
07/	0	F	1	880	460		18.29	.	0.660	0.660	<0.020	<0.020
08/	0	F	2	1160	490		19.88	.	0.540	0.540	0.040	0.040
09/	0	M	2	1620	570		18.97	.	1.150	1.150	0.040	0.040
10/	0	M	3	2150	605		18.47	.	0.610	0.610	0.050	0.050
11/	0	M	3	2000	585		20.26	.	0.550	0.550	0.040	0.040
12/	0	F	3	2050	610		19.43	.	0.740	0.740	0.030	0.030
13/	0	F	2	1185	515		19.30	.	0.460	0.460	0.040	0.040
14/	0	F	2	1445	530		19.97	.	0.500	0.500	0.030	0.030
15/	0	M	2	1130	485		20.07	.	0.140	0.140	0.050	0.050
16/	0	X	1	605	430		18.91	.	0.350	0.350	0.030	0.030
17/	0	F	1	750	440		19.25	.	0.470	0.470	0.050	0.050
18/	0	M	1	602	395		19.78	.	0.110	0.110	<0.020	<0.020
19/	0	X	1	635	410		27.18	.	0.130	0.130	0.020	0.020
20/	0	F	1	820	460		18.45	.	0.230	0.230	0.070	0.070
21/	0	F	2	700	405		20.94	.	0.320	0.320	<0.020	<0.020
22/	0	F	1	455	360		19.54	.	0.290	0.290	0.030	0.030
23/	0	F	1	330	330		19.80	.	0.220	0.220	<0.020	<0.020
24/	0	M	1	300	315		19.18	.	0.350	0.350	0.030	0.030
25/	0	F	1	240	300		19.40	.	0.130	0.130	0.030	0.030
Mean	1.8			1389	491		19.77	.	0.481	0.481	<0.034	<0.034
Minim.	1			240	300		18.29	.	0.110	0.110	<0.020	<0.020
Maxim.	4			4050	695		27.18	.	1.150	1.150	0.070	0.070
St.dev	0.9			1053	113		1.67	.	0.271	0.271	~0.012	~0.012
Count	23			25	25		25	.	25	25	25	25

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 08 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 11 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **880105**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :		310	511		
Detection Limit :		0.010	0.020		
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
01/ 0	M	2	876	445	
02/ 0	F	2	852	470	
03/ 0	M	2	1000	460	
04/ 0	F	2	1000	460	
05/ 0	M	2	694	445	
06/ 0	F	2	591	400	
07/ 0	F	2	698	430	
08/ 0	F	2	795	450	
09/ 0	M	2	1098	480	
10/ 0	F	2	626	400	
11/ 0	M	2	708	465	
12/ 0	F	2	573	410	
13/ 0	M	2	727	465	
14/ 0	M	2	901	465	
15/ 0	M	2	744	420	
16/ 0	M	2	791	445	
17/ 0	M	2	624	420	
18/ 0	F	2	588	395	
19/ 0	F	2	1158	490	
20/ 0	M	2	604	410	
21/ 0	F	1	557	400	
22/ 0	M	2	532	400	
23/ 0	M	2	605	405	
24/ 0	F	2	636	405	
25/ 0	F	2	507	380	
Mean	2.0	739	433		
Minim.	1	507	380		
Maxim.	2	1158	490		
St.dev	0.2	181	31		
Count	25	25	25	25	25

	Dry %	Fat %	Hg ppm	PCB ppm	NIVA d.wt	NACE w.wt
01/ 0	20.20	0.10	0.200	<0.020	0.200	<0.020
02/ 0	20.90	0.10	0.230	<0.020	0.230	<0.020
03/ 0	20.70	0.10	0.130	<0.020	0.130	<0.020
04/ 0	20.20	0.20	0.280	0.030	0.280	0.030
05/ 0	25.50	0.05	0.210	0.020	0.210	0.020
06/ 0	19.80	0.10	0.210	<0.020	0.210	<0.020
07/ 0	20.50	0.10	0.210	0.020	0.210	0.020
08/ 0	17.90	0.20	0.120	0.020	0.120	0.020
09/ 0	17.80	0.10	0.290	<0.020	0.290	<0.020
10/ 0	19.80	0.20	0.170	<0.020	0.170	<0.020
11/ 0	20.30	0.10	0.170	<0.020	0.170	<0.020
12/ 0	20.20	0.30	0.130	<0.020	0.130	<0.020
13/ 0	20.20	0.05	0.190	0.040	0.190	0.040
14/ 0	20.70	0.10	0.170	<0.020	0.170	<0.020
15/ 0	19.00	0.10	0.160	<0.020	0.160	<0.020
16/ 0	20.00	0.10	0.200	<0.020	0.200	<0.020
17/ 0	21.20	0.05	0.110	<0.020	0.110	<0.020
18/ 0	20.80	0.10	0.100	<0.020	0.100	<0.020
19/ 0	20.30	0.10	0.190	<0.020	0.190	<0.020
20/ 0	20.70	0.10	0.160	<0.020	0.160	<0.020
21/ 0	21.50	0.10	0.120	<0.020	0.120	<0.020
22/ 0	19.89	0.10	0.180	<0.020	0.180	<0.020
23/ 0	18.50	0.10	0.190	<0.020	0.190	<0.020
24/ 0	20.60	0.10	0.100	<0.020	0.100	<0.020
25/ 0	17.40	0.10	0.210	<0.020	0.210	<0.020
Mean	20.18	0.11	0.177	<<.021	0.177	<<.021
Minim.	17.40	0.05	0.100	<0.020	0.100	<0.020
Maxim.	25.50	0.30	0.290	0.040	0.290	0.040
St.dev	1.53	0.05	0.050	~0.004	0.050	~0.004
Count	25	25	25	25	25	25

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 50,90 g tissue used in analysis.
 Sample.No 02 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 57,20 g tissue used in analysis.
 Sample.No 03 :
 MUSCLE : 59,40 g tissue used in analysis.
 Sample.No 04 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 83,00 g tissue used in analysis.
 Sample.No 05 : Skin with metacercari of cf. Cryptocotyle lingua. Edge of tail-fin worn.
 MUSCLE : 40,50 g tissue used in analysis.
 Sample.No 06 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 67,80 g tissue used in analysis.
 Sample.No 07 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 52,40 g tissue used in analysis.
 Sample.No 08 :
 MUSCLE : 71,70 g tissue used in analysis.
 Sample.No 09 :
 MUSCLE : 87,80 g tissue used in analysis.
 Sample.No 10 :
 MUSCLE : 60,10 g tissue used in analysis.
 Sample.No 11 :
 MUSCLE : 72,00 g tissue used in analysis.
 Sample.No 12 : Skin with metacercari of cf. Cryptocotyle lingua.
 MUSCLE : 58,50 g tissue used in analysis.
 Sample.No 13 : Skin with metacercari of cf. Cryptocotyle lingua. Skin with lesions. Fins distinctly worn.
 MUSCLE : 46,60 g tissue used in analysis.
 Sample.No 14 :
 MUSCLE : 73,20 g tissue used in analysis.
 Sample.No 15 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 62,80 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 63,60 g tissue used in analysis.
 Sample.No 17 : Skin with metacercari of cf. Cryptocotyle lingua, few. Edge of tail-fin worn.
 MUSCLE : 57,40 g tissue used in analysis.
 Sample.No 18 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 62,10 g tissue used in analysis.
 Sample.No 19 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 77,80 g tissue used in analysis.
 Sample.No 20 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 57,20 g tissue used in analysis.
 Sample.No 21 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 55,70 g tissue used in analysis.
 Sample.No 22 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 61,00 g tissue used in analysis.
 Sample.No 23 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 78,09 g tissue used in analysis.
 Sample.No 24 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 70,10 g tissue used in analysis.
 Sample.No 25 : Skin with metacercari of cf. Cryptocotyle lingua, few.
 MUSCLE : 48,50 g tissue used in analysis.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch, date : **881213**, Count: 25, Sample type: **Individual**.

		Analytical Lab. :		NIVA			
		Analysis Code. :		310			
		Detection Limit :		0.010			
Samp/	Sex	Age	Wght	Lmgt			
Repl.	F/M	year	g	mm	Dry	Fat	
no.					%	%	Hg
							ppm
							d.wt
01/	0	F	4	866	470	20.60	0.310
02/	0	F	4	1521	560	21.70	0.340
03/	0	F	3	1846	590	25.20	0.430
04/	0	F	3	1328	530	23.00	0.280
05/	0	M	4	1977	605	22.30	0.270
06/	0	M	3	3080	695	21.60	0.590
07/	0	F	3	1172	485	21.90	0.260
08/	0	M	4	1327	510	22.70	0.360
09/	0	M	3	825	465	19.80	0.340
10/	0	F	1	652	400	20.80	0.060
11/	0	F	4	1055	480	20.60	0.240
12/	0	F	1	429	365	20.00	0.190
13/	0	M	2	1168	505	22.90	0.230
14/	0	F	2	1016	490	21.50	0.340
15/	0	F	2	1180	490	21.20	0.230
16/	0	F	3	1642	580	18.10	0.590
17/	0	M	3	829	435	20.30	0.280
18/	0	F	4	2181	595	21.60	0.340
19/	0	M	6	3330	720	18.60	0.800
20/	0	M	5	3059	695	21.50	0.840
21/	0	F	4	1424	540	21.60	0.390
22/	0	F	4	2447	635	20.60	0.350
23/	0	F	3	1147	490	22.00	0.230
24/	0	F	4	752	450	21.30	0.260
25/	0	F	1	503	360	20.80	0.140
Mean	3.2		1470	526	21.29		0.348
Minim.	1		429	360	18.10		0.060
Maxim.	6		3330	720	25.20		0.840
St.dev	1.2		808	97	1.44		0.184
Count	25		25	25	25		25

Sample.No 01 :
 MUSCLE : 0057,00 g tissue used in analysis.
 Sample.No 02 :
 MUSCLE : 0074,40 g tissue used in analysis.
 Sample.No 03 : Worn tissue between bone structure of tailfin
 MUSCLE : 0066,50 g tissue used in analysis.
 Sample.No 04 : Lesion (0.5-1.0cm) 2-3cm posterior to anal pore
 MUSCLE : 0070,50 g tissue used in analysis.
 Sample.No 05 : Worn tissue between bone structure on tailfin
 MUSCLE : 0106,00 g tissue used in analysis.
 Sample.No 06 :
 MUSCLE : 0094,70 g tissue used in analysis.
 Sample.No 07 :
 MUSCLE : 0071,40 g tissue used in analysis.
 Sample.No 08 :
 MUSCLE : 0070,60 g tissue used in analysis.
 Sample.No 09 :
 MUSCLE : 0055,90 g tissue used in analysis.
 Sample.No 10 :
 MUSCLE : 0051,30 g tissue used in analysis.
 Sample.No 11 :
 MUSCLE : 0069,80 g tissue used in analysis.
 Sample.No 12 :
 MUSCLE : 0039,50 g tissue used in analysis.
 Sample.No 13 :
 MUSCLE : 0071,30 g tissue used in analysis.
 Sample.No 14 :
 MUSCLE : 0061,00 g tissue used in analysis.
 Sample.No 15 : Skin with metacercari cf. Cryptocotyle lingua on head and back
 MUSCLE : 0078,00 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 0087,20 g tissue used in analysis.
 Sample.No 17 :
 MUSCLE : 0072,00 g tissue used in analysis.
 Sample.No 18 :
 MUSCLE : 0088,00 g tissue used in analysis.
 Sample.No 19 :
 MUSCLE : 0099,60 g tissue used in analysis.
 Sample.No 20 :
 MUSCLE : 0103,00 g tissue used in analysis.
 Sample.No 21 :
 MUSCLE : 0078,00 g tissue used in analysis.
 Sample.No 22 :
 MUSCLE : 0093,30 g tissue used in analysis.
 Sample.No 23 :
 MUSCLE : 0072,40 g tissue used in analysis.
 Sample.No 24 :
 MUSCLE : 0055,20 g tissue used in analysis.
 Sample.No 25 :
 MUSCLE : 0049,30 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **881213**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :	NACE
Analysis Code. :	511
Detection Limit :	0.020
Samp/ Sex Age Wght Lngt	Diry Fat
Repl. F/M year g mm	% %
no.	ppm w.wt
26/ 0 X 3 1470 526	21.30 0.30 0.020

Sample.No 26 : Bulk of spec.no. 1-25.
 MUSCLE : bulk of spec.no.1-25 (muscle)

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Farder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **891201**, Count: 25, Sample type: **Individual**.

		Analytical Lab. : NIVA					
		310	310				
		0.100	0.100				
Samp/ Sex Age Wght Lngt		Dry	Fat				
Repl. F/M year g mm		%	%				
no.		Hg	Hg				
		ppm	ppm				
		d.wt	d.wt				
01/ 0	F 1	2180	595	42.37	.	0.300	0.300
02/ 0	F 1	1177	500	31.14	.	0.300	0.300
03/ 0	F 1	643	430	38.81	.	0.300	0.300
04/ 0	M 1	1463	535	42.58	.	0.300	0.300
05/ 0	M 4	1641	595	21.80	.	0.700	0.700
06/ 0	F 1	697	420	34.74	.	0.300	0.300
07/ 0	F 1	456	355	42.34	.	0.300	0.300
08/ 0	M 1	655	400	25.21	.	0.200	0.200
09/ 0	M 4	2162	555	31.80	.	0.200	0.200
10/ 0	F 2	941	460	50.81	.	0.100	0.100
11/ 0	F 2	1205	515	46.69	.	<.100	<.100
12/ 0	F 1	1325	520	24.69	.	0.200	0.200
13/ 0	F 1	441	390	43.67	.	0.100	0.100
14/ 0	F 2	526	395	23.86	.	0.300	0.300
15/ 0	M 2	809	450	35.42	.	0.200	0.200
16/ 0	F 3	934	450	29.84	.	0.200	0.200
17/ 0	M 1	1063	475	22.06	.	0.300	0.300
18/ 0	F 1	1028	495	38.41	.	0.200	0.200
19/ 0	F 2	1653	540	42.34	.	0.100	0.100
20/ 0	F 1	1010	495	35.54	.	0.200	0.200
21/ 0	M 2	1124	480	42.45	.	0.100	0.100
22/ 0	F 4	4237	700	30.60	.	0.300	0.300
23/ 0	F 1	940	450	22.06	.	0.200	0.200
24/ 0	M 2	1357	475	46.87	.	0.100	0.100
25/ 0	F 1	478	370	43.82	.	0.200	0.200
Mean	1.7	1206	482	35.60	.	<.232	<.232
Minim.	1	441	355	21.80	.	<.100	<.100
Maxim.	4	4237	700	50.81	.	0.700	0.700
St.dev	1.0	791	79	8.85	.	~.125	~.125
Count	25	25	25	25	.	25	25

Sample.No 01 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0124,00 g tissue used in analysis.
 Sample.No 02 :
 MUSCLE : 0097,00 g tissue used in analysis.
 Sample.No 03 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0085,00 g tissue used in analysis.
 Sample.No 04 : skin with metacercari cf. Cryptocotyle lingua Uncertain age determination
 MUSCLE : 0102,00 g tissue used in analysis.
 Sample.No 05 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0100,00 g tissue used in analysis.
 Sample.No 06 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0085,00 g tissue used in analysis.
 Sample.No 07 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0054,00 g tissue used in analysis.
 Sample.No 08 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0091,00 g tissue used in analysis.
 Sample.No 09 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0126,00 g tissue used in analysis.
 Sample.No 10 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0082,00 g tissue used in analysis.
 Sample.No 11 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0101,00 g tissue used in analysis.
 Sample.No 12 : skin with metacercari cf. Cryptocotyle lingua Uncertain age determination
 MUSCLE : 0101,00 g tissue used in analysis.
 Sample.No 13 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0058,00 g tissue used in analysis.
 Sample.No 14 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0083,00 g tissue used in analysis.
 Sample.No 15 : skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0095,00 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 0097,00 g tissue used in analysis.
 Sample.No 17 :
 MUSCLE : 0095,00 g tissue used in analysis.
 Sample.No 18 :
 MUSCLE : 0099,00 g tissue used in analysis.
 Sample.No 19 :
 MUSCLE : 0100,00 g tissue used in analysis.
 Sample.No 20 :
 MUSCLE : 0092,00 g tissue used in analysis.
 Sample.No 21 : Uncertain age determination
 MUSCLE : 0102,00 g tissue used in analysis.
 Sample.No 22 :
 MUSCLE : 0127,00 g tissue used in analysis.
 Sample.No 23 :
 MUSCLE : 0112,00 g tissue used in analysis.
 Sample.No 24 :
 MUSCLE : 0104,00 g tissue used in analysis.
 Sample.No 25 :
 MUSCLE : 0073,00 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°32.00E.
 Catch,date : **891201**, Count: 25, Sample type: **Homogenate**.

• Analytical Lab. :	NACE		
• Analysis Code. :	511		
• Detection Limit :	0.020		
• Samp/ Sex Age Wght Lngt	Dry	Fat	PCB
Repl. F/M year g mm	%	%	ppm
no.			w.wt
26/ 0 H 2 1206 482	33.52	0.18	0.050

Sample.No 26 : Bulk of ind.no. 1-25

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°27.00E.
 Catch,date : **901105**, Count: 24, Sample type: **Individual**.

		Analytical Lab. : NIVA					
		Analysis Code. : 310					
		Detection Limit : 0.010					
Samp/	Sex	Age	Wght	Lmgt	Dry	Fat	Hg
Repl.	F/M	year	g	mm	%	%	ppm
no.							w.wt
01/ 0	F	1	518	380	19.60	.	0.040
02/ 0	F	1	549	390	21.70	.	0.040
03/ 0	M	1	643	410	19.70	.	0.040
04/ 0	M	1	708	420	18.50	.	0.050
05/ 0	F	1	821	430	19.30	.	0.050
06/ 0	M	3	836	430	19.60	.	0.110
07/ 0	M	1	771	430	18.90	.	0.060
08/ 0	M	1	941	440	19.10	.	0.060
09/ 0	F	3	982	450	19.40	.	0.100
10/ 0	F	2	1035	470	19.00	.	0.100
11/ 0	F	3	1328	490	18.30	.	0.110
12/ 0	M	3	1026	500	21.00	.	0.100
13/ 0	M	3	1289	520	20.80	.	0.080
14/ 0	F	3	1333	550	17.10	.	0.070
15/ 0	M	3	1365	550	20.20	.	0.120
16/ 0	M	3	1601	560	19.90	.	0.110
17/ 0	M	4	1794	580	19.20	.	0.160
18/ 0	F	3	1872	580	20.40	.	0.130
19/ 0	M	3	2035	590	19.00	.	0.110
20/ 0	M	3	1964	600	17.40	.	0.080
21/ 0	M	3	1775	600	19.70	.	0.130
22/ 0	F	3	1795	600	21.30	.	0.080
23/ 0	F	2	2231	620	18.20	.	0.170
24/ 0	M	4	2630	660	19.00	.	0.180
Mean	2.4		1327	510	19.43	.	0.095
Minim.	1		518	380	17.10	.	0.040
Maxim.	4		2630	660	21.70	.	0.180
St.dev	1.0		582	83	1.13	.	0.041
Count	24		24	24	24	.	24

Sample.No 01 : NIVA no. 23. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform and lernaeopodiiform copepods.
Sample.No 02 : NIVA no. 24. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform and lernaeopodiiform copepods.
MUSCLE : Liver/guts with Anasakis larvae.
Sample.No 03 : NIVA no. 20. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 04 : NIVA no. 22. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaeopodiiform copepods.
Sample.No 05 : NIVA no. 16. Bacterial fin rot. Skin and oral cavity w/caligiform or lernaeopodiiform copepods. Gills with Lernaeocera copepods.
Sample.No 06 : NIVA no. 18. Bacterial fin rot. Skin with *Thamatoda*. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaeopodiiform copepods. Lesions on jaw, fin or tissue.
Sample.No 07 : NIVA no. 21. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 08 : NIVA no. 19. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 09 : NIVA no. 15. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Lesions on jaw, fin or tissue.
Sample.No 10 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 11 : NIVA no. 12. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaeopodiiform copepods.
Sample.No 12 : NIVA no. 14. Internal organs with signs of decomposition.
Sample.No 13 : NIVA no. 13. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 14 : NIVA no. 08. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 15 : NIVA no. 11. Bacterial fin rot.
Sample.No 16 : NIVA no. 06. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 17 : NIVA no. 03. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 18 : NIVA no. 07. Skin with metacercariae of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.
Sample.No 19 : NIVA no. 02. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 20 : NIVA no. 04. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaeopodiiform copepods.
Sample.No 21 : NIVA no. 09. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 22 : NIVA no. 10. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 23 : NIVA no. 05. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua.
Sample.No 24 : NIVA no. 01. Skin and oral cavity w/caligiform or lernaeopodiiform copepods. Gills with Lernaeocera copepods.

Species : GADU MOR, *Gadus morhua*, GB: Cod, N: Torsk.

Sample.area: J26 Oslofjorden, Tissue : MUSCLE.

Locality : 36B Fårder, Latitude: 59°02.00N, Longitude: 10°27.00E.

Catch,date : 901105, Count: 24, Sample type: Bulk.

Sample/ Repl. no.	Sex	Age	F/M	year	g	mm	Analyses																				
							Dry %	Fat %	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*) ppb	NIVA 341	Σ(*) ppb	NIVA 341	Σ(*) ppb	NIVA 341	Σ(*) ppb	NIVA 341	Σ(*) ppb	NIVA 341	Σ(*) ppb			
25/0	H	1	648	406			19.80	0.40	<0.05	0.06	0.07	0.28	0.39	0.59	0.08	0.08	<0.05	<1.5	<1.5	0.23	miss	0.23	0.37	0.18	0.55	0.10	<0.05
26/0	H	2	913	444			19.20	0.40	<0.05	0.07	0.11	0.22	0.24	0.33	0.06	0.10	<0.05	<1.2	<1.2	0.21	miss	0.21	0.26	0.15	0.41	0.07	<0.05
27/0	H	3	1268	522			19.50	0.40	<0.05	0.08	0.16	0.80	1.76	1.93	0.16	0.25	0.82	<4.4	<4.4	0.82	miss	0.82	0.37	0.17	0.54	0.11	<0.05
28/0	H	3	1853	582			19.20	0.40	<0.05	0.06	0.13	0.28	0.39	0.63	0.10	<0.05	<1.6	<1.6	0.34	miss	0.34	0.23	0.15	0.38	0.12	<0.05	
29/0	H	3	2108	620			19.60	0.40	0.11	0.14	0.25	1.31	0.94	1.49	0.31	<0.05	4.6	4.6	0.77	miss	0.77	0.32	0.15	0.47	0.13	<0.05	
Mean		2.4	1358	515			19.46	0.40	<<0.06	0.08	0.14	0.58	0.62	0.99	0.16	<<0.06	<<2.6	<<2.6	0.47	.	0.47	0.31	0.16	0.47	0.11	<<0.05	
Minim.		1	648	406			19.20	0.40	<0.05	0.06	0.07	0.22	0.24	0.33	0.06	<0.05	<1.1	<1.2	0.21	.	0.21	0.23	0.15	0.38	0.07	<0.05	
Maxim.		3	2108	620			19.80	0.40	0.11	0.14	0.25	1.31	1.76	1.93	0.31	0.10	4.6	4.6	0.82	.	0.82	0.37	0.18	0.55	0.13	<0.05	
St.dev		0.9	616	90			0.26	0.00	~0.03	0.03	0.07	0.47	0.40	0.68	0.11	~0.02	~1.7	~1.7	0.30	.	0.30	0.06	0.01	0.08	0.02	~0.00	
Count		5	5	5			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5)

! Missing value.

Sample.No 25 : NIVA no. 23, 24, 20, 22, 16.
Sample.No 26 : NIVA no. 18, 21, 19, 15, 17.
Sample.No 27 : NIVA no. 12, 14, 13, 08, 11.
Sample.No 28 : NIVA no. 06, 03, 07, 02, 04.
Sample.No 29 : NIVA no. 09, 10, 05, 01.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Fårder**, Latitude: 59°02.00N, Longitude: 10°27.00E.
 Catch,date : **911201**, Count: 25, Sample type: **Individual**.

Analytical Lab. : Analysis Code. : Detection Limit :		NIVA 310 0.100	
Samp/ Repl. no.	Sex Age Wght Lngt F/M year g mm	Dry %	Fat % Hg ppm w.wt
01/ 0	M 2 621 390	21.50	0.060
02/ 0	M 2 695 390	18.70	0.030
03/ 0	M 2 722 420	18.60	0.030
04/ 0	M 3 792 430	21.40	0.050
05/ 0	F 3 1031 450	19.50	0.050
06/ 0	F 3 1064 470	20.00	0.090
07/ 0	F 3 1111 470	19.40	0.070
08/ 0	M 3 1307 490	20.30	0.080
09/ 0	M 3 1220 490	19.40	0.080
10/ 0	M 3 1215 500	19.90	0.070
11/ 0	F 3 1279 500	20.60	0.060
12/ 0	F 3 1210 500	19.40	0.050
13/ 0	M 3 1398 500	21.40	0.090
14/ 0	M 3 1552 500	20.80	0.100
15/ 0	F 3 1585 500	19.50	0.050
16/ 0	M 3 1325 510	19.00	0.050
17/ 0	M 3 1558 520	21.60	0.100
18/ 0	F 3 1307 530	21.10	0.150
19/ 0	F 3 1686 530	19.50	0.100
20/ 0	F 3 1558 540	21.50	0.060
21/ 0	M 3 1761 550	18.40	0.100
22/ 0	F 3 2064 560	19.40	0.110
23/ 0	F 3 2126 590	20.40	0.090
24/ 0	M 3 1812 590	19.80	0.120
25/ 0	F 3 2601 620	20.70	0.100
Mean	2.9 1384 502	20.07	0.078
Minim.	2 621 390	18.40	0.030
Maxim.	3 2601 620	21.60	0.150
St.dev	0.3 470 58	0.98	0.029
Count	25 25 25	25	25

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0027,90 g tissue used in analysis.
 Sample.No 02 : Skin with metacercariae of cf. Cryptocotyle lingua
 MUSCLE : 0042,50 g tissue used in analysis.
 Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua
 MUSCLE : 0037,50 g tissue used in analysis.
 Sample.No 04 : Muscle with signs of inner bleeding
 MUSCLE : 0040,30 g tissue used in analysis.
 Sample.No 05 : Muscle with signs of inner bleeding
 MUSCLE : 0051,80 g tissue used in analysis.
 Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
 MUSCLE : 0050,40 g tissue used in analysis.
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding Liver and/or intestinal guts with
 larvae of Anisakis simplex
 MUSCLE : 0050,10 g tissue used in analysis.
 Sample.No 08 :
 MUSCLE : 0049,60 g tissue used in analysis.
 Sample.No 09 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0049,80 g tissue used in analysis.
 Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,30 g tissue used in analysis.
 Sample.No 11 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0050,00 g tissue used in analysis.
 Sample.No 12 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0049,00 g tissue used in analysis.
 Sample.No 13 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic areas and/or discolouration
 MUSCLE : 0050,70 g tissue used in analysis.
 Sample.No 14 :
 MUSCLE : 0051,50 g tissue used in analysis.
 Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,70 g tissue used in analysis.
 Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,10 g tissue used in analysis.
 Sample.No 17 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,90 g tissue used in analysis.
 Sample.No 18 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0055,10 g tissue used in analysis.
 Sample.No 19 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0049,60 g tissue used in analysis.
 Sample.No 20 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding Liver with necrotic areas and/or
 discolouration
 MUSCLE : 0050,70 g tissue used in analysis.
 Sample.No 21 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,90 g tissue used in analysis.
 Sample.No 22 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0051,10 g tissue used in analysis.
 Sample.No 23 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0050,60 g tissue used in analysis.
 Sample.No 24 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0052,80 g tissue used in analysis.
 Sample.No 25 : Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 MUSCLE : 0053,40 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Færder**, Latitude: 59°02.00N, Longitude: 10°27.00E.
 Catch,date : **921215**, Count: 25, Sample type: **Individual**.
 Comment : Station name : Færder

Analytical Lab. : NIVA		310	
Analysis Code. : 0.100		Hg	
Detection Limit :		ppm	
Sample Repl. no.	Sex Age	Wght	Lngt
F/M	year	g	mm
01/ 0	M	2	563
02/ 0	M	2	542
03/ 0	F	2	590
04/ 0	M	2	553
05/ 0	F	3	808
06/ 0	F	3	848
07/ 0	M	3	788
08/ 0	F	3	774
09/ 0	F	3	1180
10/ 0	M	3	1254
11/ 0	F	3	1333
12/ 0	M	3	1370
13/ 0	M	3	1313
14/ 0	M	4	1296
15/ 0	F	3	1447
16/ 0	M	3	1513
17/ 0	F	3	1663
18/ 0	F	4	1965
19/ 0	F	4	1744
20/ 0	F	4	1760
21/ 0	F	4	1662
22/ 0	M	3	2114
23/ 0	F	4	2377
24/ 0	F	4	2047
25/ 0	F	4	2968
Mean	3.2	1379	505
Minim.	2	542	370
Maxim.	4	2968	660
St.dev	0.7	625	79
Count	25	25	25

Sample.No	Dry %	Fat %	Hg ppm	w.wt
01/ 0	20.00	.	0.050	0.040
02/ 0	18.80	.	0.040	0.040
03/ 0	18.80	.	0.040	0.040
04/ 0	19.90	.	0.080	0.050
05/ 0	20.10	.	0.110	0.080
06/ 0	20.30	.	0.080	0.080
07/ 0	18.30	.	0.070	0.050
08/ 0	19.40	.	0.070	0.100
09/ 0	18.90	.	0.050	0.130
10/ 0	19.90	.	0.080	0.100
11/ 0	20.50	.	0.070	0.080
12/ 0	20.50	.	0.050	0.050
13/ 0	19.00	.	0.080	0.090
14/ 0	19.50	.	0.070	0.110
15/ 0	20.20	.	0.080	0.072
16/ 0	18.70	.	0.050	0.040
17/ 0	19.80	.	0.100	0.130
18/ 0	19.90	.	0.130	0.080
19/ 0	19.50	.	0.100	0.050
20/ 0	19.50	.	0.080	0.060
21/ 0	19.70	.	0.050	0.090
22/ 0	21.00	.	0.050	0.110
23/ 0	18.90	.	0.060	
24/ 0	19.20	.	0.090	
25/ 0	20.00	.	0.110	
Mean	19.52	.	0.072	
Minim.	18.20	.	0.040	
Maxim.	21.00	.	0.130	
St.dev	0.70	.	0.025	
Count	25	.	25	

Sample.No 01 : film on gills
 Sample.No 02 : Liver with necrotic areas and/or discolouration
 Sample.No 03 : Niva no.4 Liver with necrotic areas and/or discolouration
 Sample.No 04 : Niva no.3 Liver with necrotic areas and/or discolouration
 Sample.No 05 : Skin with metacercariae of cf. Cryptocotyle lingua Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 08 : head with red film
 Sample.No 09 : Muscle with signs of inner bleeding
 Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 14 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 17 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 18 : Skin with metacercariae of cf. Cryptocotyle lingua skin with reddish discoloration
 Sample.No 19 : Niva no.20
 Sample.No 20 : Niva no.21 Skin with metacercariae of cf. Cryptocotyle lingua Muscle with signs of inner bleeding
 Sample.No 21 : Niva no.19
 Sample.No 23 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 24 : skin with red discoloration
 Sample.No 25 : skin with red discoloration
 MUSCLE : Tissue used in analysis = 20 .00 g

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **36B Færder**, Latitude: 59°02.00N, Longitude: 10°27.00E.
 Catch,date : **921215**, Count: 25, Sample type: **Bulked**.
 Comment : Station name : Færder

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 Fat %	NIVA 341 0.10 CB28 ppb w.wt	NIVA 341 0.10 CB101 ppb w.wt	NIVA 341 0.10 CB105 ppb w.wt	NIVA 341 0.10 CB118 ppb w.wt	NIVA 341 0.10 CB138 ppb w.wt	NIVA 341 0.10 CB153 ppb w.wt	NIVA 341 0.10 CB156 ppb w.wt	NIVA 341 0.10 CB180 ppb w.wt	NIVA 341 0.10 CB209 ppb w.wt	Σ(*) ! ! ! ppb w.wt	CB Σ7 ppb w.wt	CB ΣΣ ppb w.wt	DOEPP ppb w.wt	DO Σ4 ppb w.wt	HCHA ppb w.wt	HCHG HC Σ2 ppb w.wt	NIVA 341 0.10 Σ(*) ! ! ! ppb w.wt	NIVA 341 0.10 HCB ppb w.wt	NIVA 341 0.10 QCB ppb w.wt
26/ 0 X 2 611 391	0.40	<0.10	0.20	0.20	0.60	0.90	1.30	0.10	0.20	<0.10	<3.3	<3.3	<3.6	0.60	0.70	<0.10	<0.10	0.10	<0.10	<0.10
27/ 0 X 3 969 462	0.30	<0.10	0.10	0.20	0.40	0.50	0.80	<0.10	0.20	<0.10	<2.1	<2.1	<2.3	0.20	<0.30	<0.10	<0.10	0.10	<0.10	<0.10
28/ 0 X 3 1352 508	0.30	<0.10	0.10	0.20	0.30	0.40	0.50	<0.10	0.10	<0.10	<1.5	<1.5	<1.7	0.20	<0.30	<0.10	<0.10	0.10	<0.10	<0.10
29/ 0 X 4 1712 553	0.10	<0.10	0.10	0.10	0.10	0.20	0.20	<0.10	0.10	<0.10	<0.8	<0.8	<0.9	0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10
30/ 0 X 4 2250 609	0.30	<0.10	0.20	0.20	0.40	0.50	0.70	<0.10	0.10	<0.10	<2.0	<2.0	<2.2	0.30	<0.40	<0.10	<0.10	0.10	<0.10	<0.10
Mean 3.2 1379 505	0.28	<0.10	<0.10	0.14	0.36	0.50	0.70	<0.10	0.14	<0.10	<<1.9	<<1.9	<<2.1	0.28	<<0.38	<<0.10	<<0.10	<0.10	<0.10	<<0.10
Minim. 2 611 391	0.10	<0.10	0.10	0.10	0.10	0.20	0.20	<0.10	0.10	<0.10	<0.8	<0.8	<0.9	0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10
Maxim. 4 2250 609	0.40	<0.10	<0.10	0.20	0.60	0.90	1.30	0.10	0.20	<0.10	<3.3	<3.3	<3.6	0.60	0.70	<0.10	<0.10	0.10	<0.10	<0.10
St.dev 0.8 638 84	0.11	0.00	0.00	0.05	0.18	0.25	0.41	0.00	0.05	0.00	0.9	0.9	1.0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Count 5 5 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Tab.width cont'd **GADU MOR, MU, J26, 36B Færder, 921215.**

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt
26/ 0 X 2 611 391	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
27/ 0 X 3 969 462	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
28/ 0 X 3 1352 508	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
29/ 0 X 4 1712 553	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
30/ 0 X 4 2250 609	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Mean 3.2 1379 505	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10
Minim. 2 611 391	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Maxim. 4 2250 609	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
St.dev 0.8 638 84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count 5 5 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Sample.No 26 : Bulk of NIVA nos.:1,2,3,4,5
 Sample.No 27 : Bulk of NIVA nos.:6,7,8,9,10
 Sample.No 28 : Bulk of NIVA nos.:11,12,13,14,15
 Sample.No 29 : Bulk of NIVA nos.:16,17,18,20,21
 Sample.No 30 : Bulk of NIVA nos.:19,22,23,24,25

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **77B Borøy area**, Latitude: 58°33.00N, Longitude: 09°01.00E.
 Catch,date : **901104**, Count: 14, Sample type: **Individual**.

Analytical Lab. :		NIVA						
Analysis Code. :		310						
Detection Limit :		0.010						
Samp/	Sex	Dry	Fat					
Repl. no.	F/M	%	%					
year	g							
no.	mm		Hg					
			ppm					
			w.wt					
01/	0	F	1	1081	460	19.00	.	0.080
02/	0	F	2	1011	460	19.70	.	0.070
03/	0	M	4	1220	500	18.90	.	0.180
04/	0	F	3	1284	500	18.60	.	0.140
05/	0	M	2	1467	520	20.00	.	0.110
06/	0	M	3	1613	540	20.30	.	0.110
07/	0	F	2	1623	540	20.00	.	0.130
08/	0	F	3	1512	540	19.70	.	0.130
09/	0	F	3	1782	580	21.10	.	0.160
10/	0	M	2	1878	580	20.00	.	0.070
11/	0	F	3	1965	600	19.90	.	0.130
12/	0	M	3	2153	610	20.10	.	0.190
13/	0	M	3	2415	650	19.00	.	0.180
14/	0	M	3	3541	730	19.50	.	0.140
Mean	2.6			1753	558	19.70	.	0.130
Minim.	1			1011	460	18.60	.	0.070
Maxim.	4			3541	730	21.10	.	0.190
St.dev	0.7			653	74	0.66	.	0.039
Count	14			14	14	14	.	14

Sample.No 01 : NIVA no. 14. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 02 : NIVA no. 13. Bacterial fin rot. Lesions on jaw, fin or tissue. Skin and or oral cavity w/caligiform or lernaeopodiform copepods.
 Sample.No 03 : NIVA no. 12. Gills with Lernaeocera copepods and Mytilus edulis juv. Oral cavity with Anasakis larvae.
 Sample.No 04 : NIVA no. 11. Skin with metacercariae of cf. Cryptocotyle lingua. Gills with Lernaeocera copepods. Oral cavity with Anasakis larvae.
 Sample.No 05 : NIVA no. 10. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 06 : NIVA no. 09.
 Sample.No 07 : NIVA no. 08.
 Sample.No 08 : NIVA no. 07. Skin with metacercariae of cf. Cryptocotyle lingua.
 Sample.No 09 : NIVA no. 06. Skin and or oral cavity w/caligiform or lernaeopodiform copepods.
 Sample.No 10 : NIVA no. 05. Lesions on jaw, fin or tissue. Gills with Lernaeocera copepods. Oral cavity with Anasakis larvae.
 Sample.No 11 : NIVA no. 04.
 Sample.No 12 : NIVA no. 03.
 Sample.No 13 : NIVA no. 02. Lesions on jaw, fin or tissue. Oral cavity with Anasakis larvae. Gills with Lernaeocera copepods.
 Sample.No 14 : NIVA no. 01.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **77B Borøy area**, Latitude: 58°33.00N, Longitude: 09°01.00E.
 Catch.date : **901104**, Count: 14, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Sample/ Sex Age Wght Lngt Repl. F/M year g mm no.	NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		
	Dry %	Fat %	CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB209	CB Σ7	CB ΣΣ	DD ΣA	HCHA	HCHG	HC Σ2	HCB	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
15/ 0 H 2 1213 488	22.50	0.30	<0.05	<0.05	0.06	0.24	0.44	0.92	0.17	0.27	<1.9	<2.2	0.31	0.31	0.08	0.39	0.14	<0.05	0.16	0.07	0.08	0.31	0.31	0.08	0.31
16/ 0 H 3 1633 550	21.20	0.30	<0.05	<0.05	0.05	0.11	0.21	0.38	0.08	0.09	<0.9	<1.0	0.14	miss	0.06	0.31	0.09	<0.05	0.07	0.07	miss	0.14	0.12	0.06	0.31
17/ 0 H 3 2390 634	21.00	0.30	<0.05	<0.05	<0.05	<0.05	0.18	0.34	0.07	0.19	<0.6	<0.8	0.12	miss	0.08	0.37	0.12	<0.05	0.08	0.08	miss	0.12	0.08	0.08	0.37
Mean	21.57	0.30	<<0.05	<0.05	<<0.05	<<0.13	0.28	0.55	0.11	0.18	<<1.1	<<1.3	0.19	.	0.07	0.36	0.12	<<0.05	0.10	0.07	.	0.19	0.07	0.07	0.36
Minim.	21.00	0.30	<0.05	<0.05	<0.05	<0.05	0.18	0.34	0.07	0.09	<0.6	<0.8	0.12	.	0.06	0.31	0.09	<0.05	0.07	0.06	.	0.12	0.06	0.06	0.31
Maxim.	22.50	0.30	<0.05	<0.05	0.06	0.24	0.44	0.92	0.17	0.27	<1.9	<2.2	0.31	.	0.08	0.39	0.14	<0.05	0.16	0.08	.	0.31	0.08	0.08	0.39
St.dev	0.81	0.00	~0.00	~0.00	0.01	0.10	0.14	0.32	0.06	0.09	~0.7	~0.7	0.10	.	0.01	0.04	0.03	~0.00	0.05	0.01	.	0.10	0.01	0.01	0.04
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(3) ! Missing value.

Sample.No 15 : NIVA no. 01,02,03,04,05.

MUSCLE : NIVA ind.no.: 1, 2, 3, 4, and 5

Sample.No 16 : NIVA no. 06,07,08,09.

MUSCLE : NIVA ind.no.: 6, 7, 8, and 9

Sample.No 17 : NIVA no. 10,11,12,13,14.

MUSCLE : NIVA ind.no.: 10, 11, 12, 13, and 14

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **77B Borøy area**, Latitude: 58°33.00N, Longitude: 09°01.00E.
 Catch,date : **911001**, Count: 25, Sample type: **Individual**.

Analytical Lab. : Analysis Code. : Detection Limit :		NIVA 310 0.100	
Samp/ Repl. no.	Sex Age Wght Lngt F/M year g mm	Dry %	Fat % H g ppm w.wt
01/ 0	M 2 464 370	22.50	0.020
02/ 0	F 2 531 390	19.40	<.010
03/ 0	F 2 551 390	19.00	0.080
04/ 0	F 2 566 390	17.00	0.080
05/ 0	F 2 621 410	19.50	0.040
07/ 0	M 2 687 410	18.30	0.030
08/ 0	M 2 642 410	18.40	0.080
09/ 0	F 2 735 430	15.60	0.070
10/ 0	M 2 772 440	21.30	0.090
11/ 0	M 2 719 440	18.20	0.030
13/ 0	F 2 778 460	19.10	0.020
14/ 0	M 3 790 470	19.60	0.090
15/ 0	M 3 1006 480	21.40	0.040
16/ 0	F 3 891 480	17.60	0.070
17/ 0	M 3 1035 490	17.40	0.200
19/ 0	M 3 1282 540	16.20	0.060
20/ 0	M 3 1650 540	20.50	0.100
21/ 0	M 3 1927 540	21.00	0.030
22/ 0	F 3 1609 560	20.00	0.010
23/ 0	M 3 1895 570	19.20	0.170
25/ 0	M 3 2094 580	19.90	0.040
26/ 0	F 3 2199 610	20.00	0.140
27/ 0	F 3 2335 620	18.00	0.110
28/ 0	M 4 2006 640	17.20	0.230
29/ 0	F 5 2680 670	22.00	0.140
Mean	2.7 1219 493	19.13	<.079
Minim.	2 464 370	15.60	<.010
Maxim.	5 2680 670	22.50	0.230
St.dev	0.7 682 88	1.77	~.059
Count	25 25 25	25	25

Tab.width cont'd GADU MOR, MU, J99, 77B Borøy area, 911001.

		Analytical Lab. :		NIVA	
		Analysis Code. :		341	
		Detection Limit :		0.05	
		O C S		ppb	
		w.wt			
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
06/ 0	X	2	547	390	0.10
12/ 0	X	2	711	426	0.10
18/ 0	X	3	900	476	0.10
24/ 0	X	3	1672	550	0.10
30/ 0	X	4	2262	624	0.40
Mean		2.8	1218	493	0.16
Minim.		2	547	390	0.10
Maxim.		4	2262	624	0.40
St.dev		0.8	725	95	0.13
Count		5	5	5	5

Sample.No 06 : SPEC. NO. 01+02+03+04+05
 Sample.No 12 : SPEC. NO. 07+08+09+10+11
 Sample.No 18 : SPEC. NO. 13+14+15+16+17
 Sample.No 24 : SPEC. NO. 19+20+21+22+23
 Sample.No 30 : SPEC. NO. 25+26+27+28+29

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **15B Ullerø area**, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : **901103**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA					
Analysis Code. :		310					
Detection Limit :		0.010					
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	Hg
Repl.	F/M	year	g	mm	%	%	ppm
no.							w.wt
01/	0	F	2	645	400	19.20	0.060
02/	0	F	2	674	420	19.20	0.060
03/	0	M	3	712	420	19.90	0.040
04/	0	F	2	698	430	22.30	0.040
05/	0	M	2	622	430	21.80	0.110
06/	0	M	2	753	430	19.10	0.090
07/	0	M	2	825	440	20.10	0.110
08/	0	M	2	928	450	20.40	0.100
09/	0	M	2	745	450	20.80	0.070
10/	0	F	3	788	460	21.60	0.050
11/	0	F	2	1100	470	20.60	0.090
12/	0	M	2	861	470	20.10	0.040
13/	0	F	2	1165	510	19.80	0.090
14/	0	F	3	1137	510	20.30	0.070
15/	0	M	3	1442	520	20.80	0.100
16/	0	M	3	1507	550	19.50	0.060
17/	0	F	3	1596	560	19.20	0.040
18/	0	M	2	2553	610	21.10	0.170
19/	0	F	4	1932	610	20.00	0.320
20/	0	M	4	2517	630	20.40	0.210
21/	0	M	3	2938	660	20.40	0.140
22/	0	F	4	2707	670	19.80	0.140
23/	0	F	3	2701	680	20.20	0.130
24/	0	M	4	3275	690	21.80	0.110
25/	0	M	5	3485	700	20.10	0.100
Mean	2.8		1532	527	20.34		0.102
Minim.	2		622	400	19.10		0.040
Maxim.	5		3485	700	22.30		0.320
St.dev	0.9		937	100	0.87		0.062
Count	25		25	25	25		25

Sample.No 01 : NIVA no. 23. Skin and oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
 Sample.No 02 : NIVA no. 25. Lesions on jaw, fin or tissue.
 Sample.No 03 : NIVA no. 16. Skin and oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
 Sample.No 04 : NIVA no. 20.
 Sample.No 05 : NIVA no. 22. Lesions on jaw, fin or tissue.
 Sample.No 06 : NIVA no. 24. Skin and oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
 Sample.No 07 : NIVA no. 15.
 Sample.No 08 : NIVA no. 19. Bacterial fin rot. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 Sample.No 09 : NIVA no. 21.
 Sample.No 10 : NIVA no. 18. Skin and oral cavity w/caligiform or lernaepodiform copepods. Lesions on jaw, fin or tissue.
 Sample.No 11 : NIVA no. 13.
 Sample.No 12 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 Sample.No 13 : NIVA no. 12. Gills with Lernaecera copepods. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 Sample.No 14 : NIVA no. 14.
 Sample.No 15 : NIVA no. 11.
 Sample.No 16 : NIVA no. 09. Bacterial fin rot.
 Sample.No 17 : NIVA no. 08. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 MUSCLE : Nematoda in muscle.
 Sample.No 18 : NIVA no. 06.
 Sample.No 19 : NIVA no. 10. Bacterial fin rot. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 Sample.No 20 : NIVA no. 07.
 Sample.No 21 : NIVA no. 03. Skin and oral cavity w/caligiform or lernaepodiform copepods.
 Sample.No 22 : NIVA no. 05. Skin and oral cavity w/caligiform or lernaepodiform copepods. Bacterial fin rot.
 Sample.No 23 : NIVA no. 04. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and oral cavity w/caligiform or lernaepodiform copepods. Bacterial fin rot.
 Sample.No 24 : NIVA no. 01.
 Sample.No 25 : NIVA no. 02.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **15B Ullevø area**, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch, date : **901103**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code : Detection Limit : Sample/ Sex Age Weight Lngt Repl. F/M year g mm no.	Dry % Fat %	NIVA 341 0.05	CB28 ppb w.wt	NIVA 341 0.05	CB52 ppb w.wt	NIVA 341 0.05	CB101 ppb w.wt	NIVA 341 0.05	CB118 ppb w.wt	NIVA 341 0.05	CB138 ppb w.wt	NIVA 341 0.05	CB153 ppb w.wt	NIVA 341 0.05	CB180 ppb w.wt	NIVA 341 0.05	CB209 ppb w.wt	Σ(*) ppb w.wt	CB 27 ppb w.wt	Σ(*) ppb w.wt	NIVA 341 0.05	DDEPP ppb w.wt	DD 24 ppb w.wt	HCHA ppb w.wt	HCHG ppb w.wt	HC 22 ppb w.wt	NIVA 341 0.05	HCB ppb w.wt	Σ(*) ppb w.wt	NIVA 341 0.05	OCS ppb w.wt	NIVA 341 0.05																																
																																	26/ 0 H 2 670 420	20.40	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	0.22	<0.7	<0.7	<0.05	<0.05	0.22	<0.7	<0.7	<0.05	<0.05	<0.05	0.22	<0.05	miss	miss	miss	miss	0.22	0.22	0.22	0.22	0.22	0.22	0.22
																																	27/ 0 H 2 808 446	20.40	<0.05	<0.05	0.10	0.21	0.34	0.52	0.13	0.42	0.50	0.18	0.12	0.30	0.42	0.50	0.12	0.16	0.16	0.12	0.09	0.09	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
28/ 0 H 2 1141 496	20.30	<0.05	<0.05	0.11	0.22	0.40	0.62	0.14	0.34	0.52	0.34	0.34	0.34	0.50	1.27	0.16	0.09	0.25	0.12	0.12	0.11	0.09	0.09	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12																											
29/ 0 H 3 2021 592	20.00	<0.05	0.07	0.28	0.53	0.93	1.45	0.34	0.34	0.52	0.34	0.34	0.50	1.27	0.16	0.09	0.25	0.12	0.12	0.12	0.11	0.09	0.09	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12																										
30/ 0 H 4 3021 680	20.50	<0.05	0.07	0.14	0.07	0.14	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28																										
Mean	20.32	0.28	<<0.05	0.14	0.22	0.44	0.66	0.16	0.34	0.52	0.34	0.34	0.50	1.27	0.16	0.08	0.25	0.12	0.12	0.11	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10																										
Minim.	20.00	0.20	<0.05	0.07	0.28	0.53	0.93	1.45	0.34	0.52	0.34	0.34	0.50	1.27	0.16	0.08	0.25	0.12	0.12	0.11	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10																										
Max.im.	20.50	0.30	<0.05	0.07	0.28	0.53	0.93	1.45	0.34	0.52	0.34	0.34	0.50	1.27	0.16	0.08	0.25	0.12	0.12	0.11	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10																										
St.dev	0.19	0.04	~0.00	0.01	0.08	0.19	0.28	0.45	0.10	0.28	0.45	0.10	0.28	0.45	0.10	0.04	0.40	0.02	0.02	~1.1	~1.2	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58																											
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																											

miss(5)
 I Missing value.
 Sample.No 26 : NIVA no. 23, 25, 16, 20, 22.
 Sample.No 27 : NIVA no. 24, 15, 19, 21, 18.
 Sample.No 28 : NIVA no. 13, 17, 12, 14, 11.
 Sample.No 29 : NIVA no. 09, 08, 06, 10, 07.
 Sample.No 30 : NIVA no. 03, 05, 04, 01, 02.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **15B Ullerø area**, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : **911025**, Count: 24, Sample type: **Individual**.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	mm	Dry %	Fat %	Hg ppm	NIVA
Anal. Lab. Code	Detection Limit				F/M	year	g	mm	310
01/ 0	M	2	506	380		19.60	.	0.050	
02/ 0	M	2	576	390		20.70	.	0.030	
03/ 0	M	2	802	420		19.70	.	0.060	
04/ 0	M	2	842	440		19.20	.	0.040	
05/ 0	F	2	910	440		19.40	.	0.040	
06/ 0	F	3	929	450		20.00	.	0.040	
07/ 0	F	2	1112	480		19.60	.	0.050	
08/ 0	F	2	1278	490		20.90	.	0.060	
09/ 0	F	3	1407	490		20.10	.	<.010	
10/ 0	F	2	1188	490		19.80	.	0.040	
11/ 0	M	2	1124	490		20.00	.	0.070	
12/ 0	M	2	1270	490		19.10	.	0.040	
13/ 0	M	2	1361	490		18.80	.	0.060	
14/ 0	F	2	1320	530		18.70	.	0.070	
15/ 0	M	3	1775	530		19.60	.	0.050	
16/ 0	F	3	1781	550		19.70	.	0.060	
17/ 0	M	3	1870	550		22.50	.	0.070	
18/ 0	F	2	1993	560		21.80	.	0.070	
19/ 0	M	2	1905	570		18.80	.	0.070	
20/ 0	F	3	1775	570		20.50	.	0.070	
21/ 0	M	3	2142	590		19.20	.	0.100	
22/ 0	M	3	3270	650		20.90	.	0.170	
23/ 0	F	3	3677	670		22.20	.	0.100	
24/ 0	F	4	3225	700		20.80	.	0.170	
Mean	2.5	1585	517			20.07	.	<.066	
Minim.	2	506	380			18.70	.	<.010	
Maxim.	4	3677	700			22.50	.	0.170	
St.dev	0.6	830	82			1.04	.	~.038	
Count	24	24	24			24	.	24	

Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver with necrotic areas and/or discolouration

Sample.No 02 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic areas and/or discolouration

Sample.No 03 : Skin with ulceration, lymphocytic areas and/or lesions Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 04 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver with necrotic areas and/or discolouration

Sample.No 05 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods

Sample.No 07 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Skin with ulceration, lymphocytic areas and/or lesions Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration

Sample.No 09 : Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot Liver with necrotic areas and/or discolouration

Sample.No 14 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 19 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 20 : Liver with necrotic areas and/or discolouration

Sample.No 21 : Liver and/or intestinal guts with larvae of Anisakis simplex

Sample.No 22 : Liver and/or intestinal guts with larvae of Anisakis simplex

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **15B Ullerø area**, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : **921215**, Count: 23, Sample type: **Individual**.
 Comment : Station name : Ullerø area

		Analytical Lab. :		NIVA				
		Analysis Code. :	310					
		Detection Limit. :	0.100					
Samp/	Sex	Age	Wght	Lngt	Hg			
Repl.	F/M	year	g	mm	ppm			
no.					w. wt			
01/	0	M	2	1008	440	19.90	.	0.011
02/	0	M	2	1020	450	20.10	.	0.011
03/	0	M	3	1055	470	19.20	.	0.026
04/	0	M	3	1144	470	19.40	.	0.025
05/	0	M	3	1098	480	19.10	.	0.015
06/	0	M	3	1370	480	19.80	.	0.026
07/	0	M	3	1503	490	18.60	.	0.031
08/	0	M	3	1499	490	19.40	.	0.026
09/	0	M	3	1549	490	18.80	.	0.048
10/	0	M	3	1234	500	17.70	.	0.051
11/	0	M	3	1386	505	19.50	.	0.051
12/	0	M	3	1312	510	19.80	.	0.052
13/	0	M	3	1439	515	19.70	.	0.089
14/	0	M	4	1591	520	19.10	.	0.077
15/	0	F	3	1688	520	19.30	.	0.063
16/	0	M	3	2256	530	19.20	.	0.067
17/	0	M	3	2190	540	18.50	.	0.055
18/	0	F	3	1882	545	19.80	.	0.030
19/	0	M	3	1822	550	19.10	.	0.038
20/	0	F	3	2015	550	19.30	.	0.028
21/	0	F	4	2742	555	19.30	.	0.102
22/	0	F	3	2332	560	18.40	.	0.042
23/	0	F	4	3356	650	19.80	.	0.076
Mean		3.0	1674	513		19.25	.	0.045
Minim.		2	1008	440		17.70	.	0.011
Maxim.		4	3356	650		20.10	.	0.102
St.dev		0.5	591	45		0.57	.	0.025
Count		23	23	23		23	.	23

Sample.No 02 : Liver with necrotic areas and/or discolouration
 Sample.No 03 : Liver with necrotic areas and/or discolouration
 Sample.No 04 : Niva no.6
 Sample.No 05 : Niva no.4
 Sample.No 06 : Niva no.5 Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 09 : Niva no.11
 Sample.No 10 : Niva no.9
 Sample.No 11 : Niva no.10 skin with red film
 Sample.No 12 : Liver with necrotic areas and/or discolouration skin with red film
 Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 18 : Liver with necrotic areas and/or discolouration

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **15B Ullerø area**, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : **921215**, Count: 23, Sample type: **Bulked**.
 Comment : Station name : Ullerø area

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 Fat %	NIVA 341 0.10 CB28 ppb w.wt	NIVA 341 0.10 CB101 ppb w.wt	NIVA 341 0.10 CB105 ppb w.wt	NIVA 341 0.10 CB118 ppb w.wt	NIVA 341 0.10 CB138 ppb w.wt	NIVA 341 0.10 CB153 ppb w.wt	NIVA 341 0.10 CB156 ppb w.wt	NIVA 341 0.10 CB180 ppb w.wt	NIVA 341 0.10 CB209 ppb w.wt	Σ(*) ! ! CB Σ7 CB ΣE ppb ppb w.wt w.wt	NIVA 341 0.10 DDEPP TDEPP ppb ppb w.wt w.wt	NIVA 341 0.10 DD Σ4 ppb w.wt	NIVA 341 0.10 HCHA ppb w.wt	NIVA 341 0.10 HCHG HC Σ2 ppb ppb w.wt w.wt	Σ(*) ! ! HCB ppb w.wt	NIVA 341 0.10 QCB ppb w.wt	
																		Dry %
24/ 0 M 3 1323 482	0.40	0.20	0.10	0.20	0.30	0.40	0.60	<0.10	0.10	<0.10	<2.1	0.40	0.20	<0.10	0.10	<0.20	0.10	<0.10
25/ 0 M 3 1384 504	0.30	miss	0.10	0.10	0.40	miss	0.90	0.10	0.20	<0.10	<1.7	0.60	0.20	<0.10	0.10	<0.20	0.10	<0.10
26/ 0 X 3 1921 531	0.30	miss	0.10	0.10	0.20	0.30	0.40	<0.10	0.10	<0.10	<1.3	0.30	0.10	<0.10	0.10	<0.20	0.10	<0.10
27/ 0 X 3 2453 573	0.30	0.10	0.10	0.10	0.20	0.20	0.30	<0.10	0.10	<0.10	<1.2	0.30	0.10	<0.10	0.10	<0.20	0.10	<0.10
Mean 3.0 1770 523	0.33	0.15	0.13	0.10	0.28	0.30	0.55	<0.10	0.13	<0.10	<<1.5	0.40	0.15	<<0.10	0.10	<<0.20	0.10	<<0.10
Minim. 3 1323 482	0.30	0.10	0.10	0.10	0.20	0.20	0.30	<0.10	0.10	<0.10	<1.2	0.30	0.10	<0.10	0.10	<0.20	0.10	<0.10
Maxim. 3 2453 573	0.40	0.20	0.10	0.20	0.40	0.40	0.90	<0.10	0.20	<0.10	1.9	0.60	0.20	<0.10	0.10	<0.20	0.10	<0.10
St.dev 0.0 529 39	0.05	0.07	0.00	0.05	0.10	0.10	0.26	0.00	0.05	0.00	0.4	0.14	0.06	0.00	0.00	0.00	0.00	0.00
Count 4 4 4 4	4	2	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4

miss(3) ! Missing value.

Tab.width cont'd **GADU MOR, MU, J99, 15B Ullerø area, 921215.**

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 OCS ppb w.wt	NIVA 341 0.10 OCS ppb w.wt
24/ 0 M 3 1323 482	<0.10	<0.10
25/ 0 M 3 1384 504	<0.10	<0.10
26/ 0 X 3 1921 531	<0.10	<0.10
27/ 0 X 3 2453 573	<0.10	<0.10
Mean 3.0 1770 523	<<0.10	<<0.10
Minim. 3 1323 482	<0.10	<0.10
Maxim. 3 2453 573	<0.10	<0.10
St.dev 0.0 529 39	0.00	0.00
Count 4 4 4 4	4	4

Sample.No 24 : Bulk of NIVA nos.:1,2,3,4,5,6,7,8
 Sample.No 25 : Bulk of NIVA nos.:9,10,11,12,13
 Sample.No 26 : Bulk of NIVA nos.:14,15,16,17,18
 Sample.No 27 : Bulk of NIVA nos.:19,20,21,22,23

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.
 Catch,date : **901007**, Count: 25, Sample type: **Individual**.
 Comment : Caught 1007-1029.

Analytical Lab. : NIVA		Analysis Code. : 310							
Detection Limit : 0.010		Fat %							
Samp/ Repl.	Sex	Age	Wght	Lngt	Dry %	Fat %	Hg	ppm	w.wt
F/M	year	g	mm	no.					
01/ 0	F	2	520	370	18.40	.	0.060		
02/ 0	F	3	542	390	19.00	.	0.110		
03/ 0	M	3	764	410	19.40	.	0.050		
04/ 0	F	2	528	410	19.30	.	0.040		
05/ 0	F	2	710	410	18.60	.	0.060		
06/ 0	M	4	446	440	19.80	.	0.070		
07/ 0	F	3	840	440	18.90	.	0.060		
08/ 0	M	2	472	450	19.30	.	0.060		
09/ 0	M	4	711	460	18.60	.	0.100		
10/ 0	M	3	906	460	20.00	.	0.070		
11/ 0	F	3	1170	510	19.40	.	0.230		
12/ 0	F	3	1018	510	19.40	.	0.180		
13/ 0	F	3	637	520	20.00	.	0.110		
14/ 0	F	4	1154	530	19.90	.	0.090		
15/ 0	F	3	1275	530	20.60	.	0.150		
16/ 0	F	4	1394	540	19.10	.	0.180		
17/ 0	F	3	1019	540	20.30	.	0.320		
18/ 0	F	4	1606	560	19.70	.	0.100		
19/ 0	F	3	844	570	18.80	.	0.070		
20/ 0	F	3	1330	610	19.90	.	0.160		
21/ 0	M	5	1345	620	20.70	.	0.220		
22/ 0	F	4	1679	630	18.90	.	0.150		
23/ 0	F	5	1446	630	19.40	.	0.190		
24/ 0	F	4	1628	640	18.10	.	0.330		
25/ 0	F	5	2863	700	20.20	.	0.210		
Mean	3.4	1074	515		19.43	.	0.135		
Minim.	2	446	370		18.10	.	0.040		
Maxim.	5	2863	700		20.70	.	0.330		
St.dev	0.9	537	90		0.68	.	0.082		
Count	25	25	25	25	25	.	25		

- Sample.No 01 : NIVA no. 24. Lesions on jaw, fin or tissue.
- Sample.No 02 : NIVA no. 23. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 03 : NIVA no. 22. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 04 : NIVA no. 25. Lesions on jaw, fin or tissue. Skin and or oral cavity w/caligiform or lernaeopodiiform copepods.
- Sample.No 05 : NIVA no. 21. Bacterial fin rot. Lesions on jaw, fin or tissue.
- Sample.No 06 : NIVA no. 10.
- Sample.No 07 : NIVA no. 12. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 08 : NIVA no. 09. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 09 : NIVA no. 19.
- Sample.No 10 : NIVA no. 20. Skin with metacercariae of cf. Cryptocotyle lingua. Skin and or oral cavity w/caligiform or lernaeopodiiform copepods.
- Sample.No 11 : NIVA no. 16. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 12 : NIVA no. 18.
- Sample.No 13 : NIVA no. 06. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 14 : NIVA no. 08. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 15 : NIVA no. 17. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 16 : NIVA no. 11.
- Sample.No 17 : NIVA no. 15.
- Sample.No 18 : NIVA no. 14. Lesions on jaw, fin or tissue. Skin with metacercariae of cf. Cryptocotyle lingua.
- Sample.No 19 : NIVA no. 07.
- Sample.No 20 : NIVA no. 13. Skin and or oral cavity w/caligiform or lernaeopodiiform copepods.
- Sample.No 21 : NIVA no. 05.
- Sample.No 22 : NIVA no. 01.
- Sample.No 23 : NIVA no. 03.
- Sample.No 24 : NIVA no. 04.
- Sample.No 25 : NIVA no. 02.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.
 Catch,date : **901007**, Count: 25, Sample type: **Bulked**.
 Comment : Caught 1007-1029.

Analytical Lab. :	Analysis Code. :	Detection Limit :	Dry %	Fat %	NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341	
					ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
26/ 0	H	2	613	398	<0.05	0.30	<0.05	0.05	0.16	0.26	0.06	<0.05	<0.05	<0.6	<0.6	0.21	0.08	0.11	0.19	0.08	<0.05	<0.05
27/ 0	H	3	675	450	<0.05	0.30	<0.05	0.06	<0.05	0.12	<0.05	<0.05	<0.2	<0.2	0.13	0.28	0.11	0.39	0.07	<0.05	<0.05	
28/ 0	H	3	1051	520	<0.05	0.30	<0.05	0.09	0.23	0.22	0.07	<0.05	<0.7	<0.7	0.21	0.27	0.06	0.33	0.06	<0.05	<0.05	
29/ 0	H	3	1239	564	<0.05	0.30	<0.05	0.06	0.06	0.51	<0.05	<0.05	<0.7	<0.7	0.50	0.22	0.12	0.34	0.09	<0.05	<0.05	
30/ 0	H	5	1792	644	<0.05	0.40	<0.05	0.05	<0.05	0.30	<0.05	<0.05	<0.6	<0.6	0.42	0.25	0.17	0.42	0.11	<0.05	<0.05	
Mean		3.2	1074	515	<<0.05	0.32	<<0.05	<0.09	<0.11	0.28	<<0.06	<<0.05	<<0.5	<<0.5	0.29	0.22	0.11	0.33	0.08	<<0.05	<<0.05	
Minim.		2	613	398	<0.05	0.30	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.2	<0.2	0.13	0.08	0.06	0.19	0.06	<0.05	<0.05	
Maxim.		5	1792	644	<0.05	0.40	<0.05	0.19	0.23	0.51	0.07	<0.05	<0.7	<0.7	0.50	0.28	0.17	0.42	0.11	<0.05	<0.05	
St.dev		1.1	478	96	<0.00	0.04	<0.00	<0.06	<0.08	0.14	<0.01	<0.00	<0.2	<0.2	0.16	0.08	0.04	0.09	0.02	<0.00	<0.00	
Count		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5) | Missing value.
 Sample.No 26 : NIVA no. 24,23,22,25,21.
 Sample.No 27 : NIVA no. 10,12,09,19,20.
 Sample.No 28 : NIVA no. 16,18,06,08,17.
 Sample.No 29 : NIVA no. 11,15,14,07,13.
 Sample.No 30 : NIVA no. 05,01,03,04,02.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.
 Catch,date : **910930**, Count: 25, Sample type: **Individual**.

.		Analytical Lab. :		NIVA	
.		Analysis Code. :		310	
.		Detection Limit :		0.100	
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
01/	0	F	2	337	320
02/	0	M	2	364	360
03/	0	F	2	631	370
04/	0	F	2	416	350
05/	0	M	2	622	390
06/	0	M	2	402	350
07/	0	F	3	530	390
08/	0	F	3	530	390
09/	0	M	3	621	360
10/	0	F	3	641	420
11/	0	M	3	681	400
12/	0	F	3	555	380
13/	0	M	2	653	390
14/	0	F	3	680	420
15/	0	F	3	849	430
16/	0	M	4	962	460
17/	0	F	4	722	420
18/	0	F	4	967	480
19/	0	M	4	1159	490
20/	0	F	4	1104	500
21/	0	F	4	1450	530
22/	0	M	4	949	450
23/	0	M	5	1107	480
24/	0	F	5	1464	510
25/	0	F	6	2928	700
Mean		3.3	853	430	
Minim.		2	337	320	
Maxim.		6	2928	700	
St.dev		1.1	533	80	
Count		25	25	25	25
				17.90	0.110
				17.20	0.070
				18.10	0.050
				19.80	0.030
				20.30	0.060
				19.30	0.230
				19.20	0.090
				19.40	0.070
				17.70	0.110
				18.30	0.240
				19.60	0.080
				19.70	0.060
				19.40	0.040
				19.20	0.030
				18.50	0.160
				19.20	0.090
				19.10	0.050
				18.50	0.080
				16.60	0.120
				18.30	0.160
				18.10	0.080
				17.70	0.170
				19.50	0.110
				19.50	0.110
				17.80	0.190
				18.72	0.104
				16.60	0.030
				20.30	0.240
				0.92	0.058
				25	25

- Sample.No 01 : Skin with metacercariae of cf. Cryptocotyle lingua
 MUSCLE : 0037,33 g tissue used in analysis.
- Sample.No 02 :
 MUSCLE : 0041,23 g tissue used in analysis.
- Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
- Sample.No 04 : Skin with ulceration, lymphocytic areas and/or lesions
- Sample.No 05 : Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
- Sample.No 06 : Skin with metacercariae of cf. Cryptocotyle lingua
 MUSCLE : 0034,06 g tissue used in analysis.
- Sample.No 07 :
 MUSCLE : 0040,44 g tissue used in analysis.
- Sample.No 08 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods
- MUSCLE : 0032,29 g tissue used in analysis.
- Sample.No 09 : Skin with metacercariae of cf. Cryptocotyle lingua
- MUSCLE : 0039,03 g tissue used in analysis.
- Sample.No 10 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic areas and/or discolouration
- MUSCLE : 0051,18 g tissue used in analysis.
- Sample.No 11 : Skin with ulceration, lymphocytic areas and/or lesions
- MUSCLE : 0044,69 g tissue used in analysis.
- Sample.No 12 : Skin with ulceration, lymphocytic areas and/or lesions
- MUSCLE : 0048,83 g tissue used in analysis.
- Sample.No 13 :
 MUSCLE : 0052,17 g tissue used in analysis.
- Sample.No 14 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
- MUSCLE : 0036,33 g tissue used in analysis.
- Sample.No 15 : Skin with metacercariae of cf. Cryptocotyle lingua Skin with ulceration, lymphocytic areas and/or lesions
- MUSCLE : 0048,01 g tissue used in analysis.
- Sample.No 16 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods
- MUSCLE : 0063,70 g tissue used in analysis.
- Sample.No 17 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
- MUSCLE : 0041,67 g tissue used in analysis.
- Sample.No 18 : Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
- MUSCLE : 0047,61 g tissue used in analysis.
- Sample.No 19 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
- MUSCLE : 0047,55 g tissue used in analysis.
- Sample.No 20 : Liver and/or intestinal guts with larvae of Anisakis simplex
- MUSCLE : 0062,77 g tissue used in analysis.
- Sample.No 21 : Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discolouration Liver with necrotic cysts or tumors
- MUSCLE : 0058,13 g tissue used in analysis.
- Sample.No 22 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Bacterial fin rot
- MUSCLE : 0050,16 g tissue used in analysis.
- Sample.No 23 : Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
- MUSCLE : 0071,77 g tissue used in analysis.
- Sample.No 24 : Skin with metacercariae of cf. Cryptocotyle lingua
- MUSCLE : 0055,28 g tissue used in analysis.
- Sample.No 25 : Skin with metacercariae of cf. Cryptocotyle lingua Skin and/or oral cavity with caligiform and/or lernaepodiform copepods Liver and/or intestinal guts with larvae of Anisakis simplex
- MUSCLE : 0066,15 g tissue used in analysis.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.
 Catch,date : **910930**, Count: 5, Sample type: **Bulked**.

Sample/ Repl.	Sex	Age	Wght	Lrgt	Dry %	Fat %	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	Σ(*)	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	Σ(*)	
26/0	X	2	474	358	18.70	0.50	0.06	0.11	0.39	0.31	0.91	2.30	3.59	0.19	1.33	-0.05	0.76	0.16	0.92	<-9.2	8.7	<-0.05	0.10	0.05	-0.05	0.10	0.05	-0.05	0.10	0.05	<-0.15	0.08	<-0.05
27/0	X	3	545	382	18.80	0.50	0.09	0.06	0.42	0.39	1.46	3.27	5.88	0.30	1.67	-0.05	0.63	0.11	0.74	<-13.6	12.9	<-0.05	0.10	0.05	-0.05	0.10	0.05	-0.05	0.10	0.05	<-0.05	0.08	<-0.05
28/0	X	3	684	404	19.30	0.50	0.06	<-0.05	0.09	0.09	0.22	0.38	0.58	<-0.05	0.12	<-0.05	0.54	0.13	0.67	<-1.6	0.54	0.13	0.09	0.09	0.09	0.09	0.09	0.11	0.11	<-0.14	0.11	<-0.05	
29/0	X	4	983	470	18.30	0.40	<-0.05	0.07	0.14	0.10	0.32	0.56	0.94	<-0.05	0.20	<-0.05	0.59	0.16	0.75	<-2.4	0.59	0.16	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	0.09	0.09	<-0.05		
30/0	X	5	1579	534	18.50	0.40	<-0.05	<-0.05	0.08	0.08	0.21	0.31	0.60	<-0.05	0.16	<-0.05	0.28	0.07	0.35	<-1.5	0.28	0.07	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	0.05	0.05	<-0.05	<-0.05		
Mean		3.4	853	430	18.72	0.46	<-0.06	<-0.07	0.22	0.19	0.62	1.36	2.32	<-0.13	0.70	<-0.05	0.56	0.13	0.69	<-5.7	5.3	<-0.05	<-0.08	0.08	0.10	0.08	<-0.08	0.08	<-0.11	0.08	<-0.05		
Minim.		2	474	358	18.30	0.40	<-0.05	<-0.05	0.08	0.08	0.21	0.31	0.58	<-0.05	0.12	<-0.05	0.28	0.07	0.35	<-1.4	0.28	0.07	<-0.05	<-0.05	<-0.05	<-0.05	0.05	0.05	<-0.05	<-0.05			
Maxim.		5	1579	534	19.30	0.50	0.09	0.11	0.42	0.39	1.46	3.27	5.88	0.30	1.67	-0.05	0.76	0.16	0.92	<-13.6	12.9	<-0.05	0.10	0.05	0.10	0.10	0.11	0.11	<-0.15	0.11	<-0.05		
St.dev		1.1	450	72	0.38	0.05	-0.02	-0.02	0.17	0.15	0.55	1.34	2.35	-0.11	0.74	-0.00	0.18	0.04	0.21	75.5	75.2	-0.00	-0.03	0.03	-0.03	0.02	0.02	0.02	0.05	0.05	-0.00		
Count		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

Tab.width cont'd **GADU MOR, MU, J99, 23B Karihavet area, 910930**.

Sample/ Repl.	Sex	Age	Wght	Lrgt	Dry %	Fat %	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	Σ(*)	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	Σ(*)	Σ(*)	
26/0	X	2	474	358	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
27/0	X	3	545	382	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
28/0	X	3	684	404	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
29/0	X	4	983	470	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
30/0	X	5	1579	534	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
Mean		3.4	853	430	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
Minim.		2	474	358	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
Maxim.		5	1579	534	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
St.dev		1.1	450	72	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05
Count		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Sample.No 26 : NIVA NO. 01+02+03+04+05. IKKE SORTERT ETTER LENGDE !!!
 MUSCLE : 0201,26 g tissue used in analysis.
 Sample.No 27 : NIVA NO. 06+07+08+09+10. IKKE SORTERT ETTER LENGDE !!!!
 MUSCLE : 0197,00 g tissue used in analysis.
 Sample.No 28 : NIVA NO. 11+12+13+14+15. IKKE SORTERT ETTER LENGDE !!!
 MUSCLE : 0230,03 g tissue used in analysis.
 Sample.No 29 : NIVA NO. 16+17+18+19+20. IKKE SORTERT ETTER LENGDE !!!
 MUSCLE : 0263,30 g tissue used in analysis.
 Sample.No 30 : NIVA NO. 21+22+23+24+25. IKKE SORTERT ETTER LENGDE !!!
 MUSCLE : 0301,49 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.
 Catch,date : **921215**, Count: 25, Sample type: **Individual**.
 Comment : Station name : Karihavet area

		Analytical Lab. : NIVA						
		Analysis Code. : 310						
		Detection Limit : 0.100						
Samp/	Sex	Age	Wght	Lngt		Dry	Fat	Hg
Repl.	F/M	year	g	mm		%	%	ppm
no.								w.wt
01/ 0	M	3	542	365		19.90	.	0.040
02/ 0	M	2	587	375		20.10	.	0.060
03/ 0	M	2	633	385		20.50	.	0.040
04/ 0	M	2	656	400		20.40	.	0.070
05/ 0	M	3	790	415		19.80	.	0.070
06/ 0	M	4	913	435		19.20	.	0.060
07/ 0	M	3	929	460		20.20	.	0.030
08/ 0	M	3	1133	470		20.10	.	0.070
09/ 0	M	3	1246	480		19.20	.	0.050
10/ 0	F	4	1411	500		19.80	.	0.090
11/ 0	M	5	1113	510		19.90	.	0.060
12/ 0	M	4	1280	510		19.40	.	0.090
13/ 0	M	4	1786	510		19.20	.	0.070
14/ 0	M	4	1461	515		20.20	.	0.040
15/ 0	M	3	1616	515		20.80	.	0.050
16/ 0	M	2	1302	525		19.20	.	0.050
17/ 0	M	3	1313	535		19.80	.	0.070
18/ 0	M	3	1858	550		19.30	.	0.040
19/ 0	M	4	1958	590		19.20	.	0.140
20/ 0	M	5	2398	590		19.10	.	0.110
21/ 0	M	3	2209	605		20.40	.	0.110
22/ 0	M	5	2032	620		19.80	.	0.100
23/ 0	M	4	3081	630		20.80	.	0.050
24/ 0	F	5	4002	670		21.60	.	0.160
25/ 0	F	4	3172	700		19.50	.	0.150
Mean		3.5	1577	514		19.90	.	0.075
Minim.		2	542	365		19.10	.	0.030
Maxim.		5	4002	700		21.60	.	0.160
St.dev		1.0	873	91		0.63	.	0.036
Count		25	25	25		25	.	25

Tab.width cont'd GADU MOR, MU, J99, 23B Karihavet area, 921215.

.		Analytical Lab. :		NIVA		
.		Analysis Code. :		341		
.		Detection Limit :		0.10		
Samp/		Sex Age Wght Lngt		O C S		
Repl.	F/M	year	g	mm	ppb	
no.					w.wt	
26/	0	M	2	642	388	<0.10
27/	0	X	3	1126	469	<0.10
28/	0	M	4	1451	512	<0.10
29/	0	M	4	1766	558	<0.10
30/	0	X	4	2899	645	<0.10
Mean			3.4	1577	514	<<0.10
Minim.			2	642	388	<0.10
Maxim.			4	2899	645	<0.10
St.dev			0.9	848	96	~0.00
Count			5	5	5	5

Sample.No 26 : Bulk of NIVA nos.:1,2,3,4,5

Sample.No 27 : Bulk of NIVA no.:6,7,8,9,25

Sample.No 28 : Bulk of NIVA nos.:10,11,14,15,16

Sample.No 29 : Bulk of NIVA nos.:12,13,17,18,19

Sample.No 30 : Bulk of NIVA nos.:20,21,22,23,24

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørffjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 12, Sample type: **Individual**.

Analytical Lab. : FIER		401	
Analysis Code. : 401		0.010	
Detection Limit :		Hg	
Samp/	Sex	Age	Lght
Repl.	F/M	year	g mm
no.			
01/ 0	X	460	23.90
02/ 0	X	1310	24.70
03/ 0	X	915	19.20
04/ 0	X	710	17.50
05/ 0	X	490	20.09
06/ 0	X	560	22.90
07/ 0	X	510	21.60
08/ 0	X		21.80
09/ 0	X		24.90
10/ 0	X	420	23.60
11/ 0	X	320	22.20
12/ 0	X	2600	18.00
Mean		830	21.70
Minim.		320	17.50
Maxim.		2600	24.90
St.dev		686	2.51
Count		10	12

Sample.No 01 : caught at "Skreo" by Edhatunnel, 22.2.87.
 Sample.No 02 : caught at K/S Ilmenittmelteverket, Tyssedal, 22.2.87.
 Sample.No 03 : caught at Kvitura across from sulfur tank, Norzink, 20.2.87.
 Sample.No 04 : caught at Kvitura across from sulfur tank, Norzink, 20.2.87.
 Sample.No 05 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 06 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 07 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 08 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 09 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87.
 Sample.No 10 : caught at Kvitura, across from sulfur tank, Norzink, 20.2.87 Gills partly covered with particle layer.
 Sample.No 11 : caught at power station, Tyssedal, 100m from land, 20.2.87. Gills partly covered with slime layer.
 Sample.No 12 : caught at power station, Tyssedal, 100m from land, 6.3.87. Black film around mouth and on gills.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørffjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **881117**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. : NIVA		NACE	
Analysis Code. : 310		511	
Detection Limit :		0.020	
Samp/	Sex	Age	Lght
Repl.	F/M	year	g mm
no.			
01/ 0	X	3	724
		401	
Mean		22.40	0.20
Minim.		0.20	0.470
Maxim.		0.20	0.030
St.dev			
Count		12	12

Sample.No 01 : Bulk of spec.no. 1-25

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørforjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørforjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **891125**, Count: 12, Sample type: **Individual**.

Analytical Lab. : NIVA		310				
Analysis Code. : 0.100		H g				
Detection Limit : 0.100		ppm				
Samp/	Sex	Age	Wght	Lngt	Dry	Fat
Repl.	F/M	year	g	mm	%	%
no.						d.wt
01/ 0	F	1	564	370	21.43	0.800
02/ 0	F	1	675	395	22.82	0.500
03/ 0	F	1	750	400	21.84	0.700
04/ 0	M	1	581	410	20.82	0.500
06/ 0	F	2	749	410	20.85	0.800
07/ 0	F	3	375	425	11.97	2.900
08/ 0	F		1212	440	20.97	0.900
09/ 0	F	1	1138	455	23.60	0.500
11/ 0	F	1	996	495	21.14	0.900
12/ 0	M	1	1334	500	20.99	3.000
13/ 0	M	2	1342	520	21.73	1.000
14/ 0	F	5	2690	555	21.55	1.900
Mean		1.7	1034	448	20.81	1.200
Minim.		1	375	370	11.97	0.500
Maxim.		5	2690	555	23.60	3.000
St.dev		1.3	612	57	2.91	0.898
Count		11	12	12	12	12

Sample.No 01 : Edna 10m depth. Uncertain age determination
 MUSCLE : 0084,00 g tissue used in analysis.
 Sample.No 02 : Apold 20m depth.
 MUSCLE : 0090,00 g tissue used in analysis.
 Sample.No 03 : Edna 15m depth. Uncertain age determination
 MUSCLE : 0103,00 g tissue used in analysis.
 Sample.No 04 : Edna 10m depth. Uncertain age determination. Emaciated individual
 MUSCLE : 0083,00 g tissue used in analysis.
 Sample.No 06 : Stana 15m depth.
 MUSCLE : 0080,00 g tissue used in analysis.
 Sample.No 07 : Edna 10m depth. Uncertain age determination. Emaciated individual
 MUSCLE : 0021,00 g tissue used in analysis.
 Sample.No 08 : Apold 10m depth. Uncertain age determination
 MUSCLE : 0083,00 g tissue used in analysis.
 Sample.No 09 : Tyssedal 15m depth. Uncertain age determination
 MUSCLE : 0097,00 g tissue used in analysis.
 Sample.No 11 : Tyssedal 15m depth. Uncertain age determination
 MUSCLE : 0107,00 g tissue used in analysis.
 Sample.No 12 : Apold 20m depth. Uncertain age determination
 MUSCLE : 0104,00 g tissue used in analysis.
 Sample.No 13 : Tyssedal 15m depth. Uncertain age determination
 MUSCLE : 0092,00 g tissue used in analysis.
 Sample.No 14 : Edna 10m depth.
 MUSCLE : 0100,00 g tissue used in analysis.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J63 Sør fjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch, date : **891125**, Count: 12, Sample type: **Bulked**.

Analytical Lab. :		NACE				
Analysis Code. :		511				
Detection Limit :		0.020				
Samp/	Sex	Dry	Fat			
Repl.	Age	%	%			
F/M	year					
no.	g		ppm			
	mm		w. wt			
05/ 0	H 1	643	394	21.73	0.33	<0.020
10/ 0	H 2	869	433	24.59	0.35	0.040
15/ 0	H 2	1591	518	21.35	0.31	<0.020
Mean	1.7	1034	448	22.56	0.33	<<.027
Minim.	1	643	394	21.35	0.31	<0.020
Maxim.	2	1591	518	24.59	0.35	0.040
St.dev	0.6	495	63	1.77	0.02	~0.012
Count	3	3	3	3	3	3

Sample.No 05 : Bulk of spec.no. 1-4. Uncertain age determination
 Sample.No 10 : Bulk of spec.no. 6-9. Uncertain age determinations
 Sample.No 15 : Bulk of spec.no. 11-14. Uncertain age determination

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J63 Sørffjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch, date : **901014**, Count: 25, Sample type: **Individual**.
 Comment : Caught 1014-1023 at various sites in inner Sørffjord; frozen before preparation.

Analytical Lab. :		NIVA					
Analysis Code. :		310					
Detection Limit :		0.010					
Samp/	Sex	Dry	Fat				
Repl.	Age	%	%				
F/M	year						
no.	g		Hg				
	mm		ppm				
			w. wt				
01/ 0	M	4	594	340	21.90	.	0.140
02/ 0	M	2	460	340	20.90	.	0.090
03/ 0	M	2	565	350	20.60	.	0.110
04/ 0	M	3	536	350	21.10	.	0.160
05/ 0	F	2	609	360	20.70	.	0.170
06/ 0	F	3	566	360	19.40	.	0.250
07/ 0	M	2	558	370	20.10	.	0.670
08/ 0	M	2	579	370	19.60	.	0.200
09/ 0	F	2	550	370	18.80	.	0.240
10/ 0	F	2	674	380	20.60	.	0.200
11/ 0	F	3	820	380	21.30	.	0.200
12/ 0	F	2	712	390	19.90	.	0.160
13/ 0	M	2	643	390	19.40	.	0.170
14/ 0	F	2	741	390	19.40	.	0.220
15/ 0	F	3	843	400	20.90	.	0.140
16/ 0	F	2	854	400	20.80	.	0.170
17/ 0	F	2	666	400	19.70	.	0.190
18/ 0	F	3	684	400	20.00	.	0.130
19/ 0	F	3	795	410	19.50	.	0.150
20/ 0	F	2	748	420	19.80	.	0.120
21/ 0	M	2	995	420	20.60	.	0.170
22/ 0	M	2	916	420	20.70	.	0.120
23/ 0	F	2	779	420	19.30	.	0.250
24/ 0	M	2	1065	460	20.20	.	0.240
25/ 0	M	2	1315	480	22.90	.	0.250
Mean	2.3	731	391	20.32	.	0.196	
Minim.	2	460	340	18.80	.	0.090	
Maxim.	4	1315	480	22.90	.	0.670	
St. dev	0.6	194	35	0.92	.	0.109	
Count	25	25	25	25	.	25	

- Sample.No 01 : NIVA no. 23.
- Sample.No 02 : NIVA no. 25.
- Sample.No 03 : NIVA no. 10.
- Sample.No 04 : NIVA no. 11.
- Sample.No 05 : NIVA no. 22.
- Sample.No 06 : NIVA no. 24.
- Sample.No 07 : NIVA no. 09.
- Sample.No 08 : NIVA no. 13.
- Sample.No 09 : NIVA no. 17.
- Sample.No 10 : NIVA no. 14.
- Sample.No 11 : NIVA no. 19.
- Sample.No 12 : NIVA no. 06.
- Sample.No 13 : NIVA no. 07.
- Sample.No 14 : NIVA no. 15.
- Sample.No 15 : NIVA no. 03.
- Sample.No 16 : NIVA no. 05.
- Sample.No 17 : NIVA no. 16.
- Sample.No 18 : NIVA no. 18. Bacterial fin rot.
- Sample.No 19 : NIVA no. 08. Bacterial fin rot.
- Sample.No 20 : NIVA no. 04.
- Sample.No 21 : NIVA no. 12. Bacterial fin rot.
- Sample.No 22 : NIVA no. 01.
- Sample.No 23 : NIVA no. 21.
- Sample.No 24 : NIVA no. 02.
- Sample.No 25 : NIVA no. 20.

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørfjord**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **901014**, Count: 25, Sample type: **Bulked**.
 Comment : Caught 10/14-10/23 at various sites in inner Sørfjord; frozen before preparation.

Analytical Lab. : Analysis Code. : Detection Limit :	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	Fat %	Dry %	CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB209	CB 27	CB 28	DDEPP	IDEPP	DD 24	HCHA	HCHG	HC 22	HCB	Σ(*)	Σ(*)	Σ(*)	QCBB	OCS	
Repl. F/M year g mm			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
26/ 0 H 3	21.00	0.50	<0.05	0.15	0.93	0.25	3.11	3.36	0.37	<0.05	<8.2	<8.2	1.64	miss	1.64	0.35	0.09	0.44	0.10	0.44	0.44	0.10	0.10	<0.05	
27/ 0 H 2	19.70	0.50	<0.05	0.14	1.62	7.03	7.48	7.85	0.84	<0.05	<25.0	<25.0	3.09	miss	3.09	0.24	0.12	0.36	0.12	0.36	0.36	0.12	0.12	<0.05	
28/ 0 H 2	20.20	0.50	<0.05	0.07	0.15	0.23	0.43	0.50	0.15	<0.05	<1.6	<1.6	1.72	miss	1.72	0.33	1.40	1.73	0.10	1.73	0.10	0.10	0.10	<0.05	
29/ 0 H 2	20.00	0.50	<0.05	<0.05	0.09	0.11	0.22	0.30	0.11	<0.05	<0.9	<0.9	2.36	miss	2.36	0.33	0.08	0.41	0.10	0.41	0.10	0.10	0.10	<0.05	
30/ 0 H 2	20.70	0.30	<0.05	0.45	2.63	4.66	4.91	4.91	0.49	<0.05	<18.1	<18.1	3.46	miss	3.46	0.44	0.16	0.60	0.15	0.60	0.15	0.15	0.15	<0.05	
Mean	20.32	0.46	<<0.05	0.17	1.08	2.46	3.23	3.38	0.39	<<0.05	<<10.8	<<10.8	2.45	.	2.45	0.34	0.37	0.71	0.11	0.71	0.11	0.11	0.11	<<0.05	
Minim.	19.70	0.30	<0.05	0.05	0.09	0.11	0.22	0.30	0.11	<0.05	<0.9	<0.9	1.64	.	1.64	0.24	0.08	0.36	0.10	0.36	0.10	0.10	0.10	<0.05	
Maxim.	21.00	0.50	<0.05	0.45	2.63	7.03	7.48	7.85	0.84	<0.05	<25.0	<25.0	3.46	.	3.46	0.44	1.40	1.73	0.15	1.73	0.15	0.15	0.15	<0.05	
St.dev	0.4	0.181	0.09	0.16	1.07	3.21	3.07	3.17	0.30	0.00	10.6	10.6	0.81	.	0.81	0.07	0.58	0.58	0.02	0.58	0.02	0.02	0.02	0.00	
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5)
 i Missing value.
 Sample.No 26 : NIVA no. 23, 25, 10, 11, 22.
 Sample.No 27 : NIVA no. 24, 09, 13, 17, 14.
 Sample.No 28 : NIVA no. 19, 06, 07, 15, 03.
 Sample.No 29 : NIVA no. 05, 16, 18, 08, 04.
 Sample.No 30 : NIVA no. 01, 12, 21, 02, 20.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J63 Sør fjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch, date : **911101**, Count: 25, Sample type: **Individual**.

.		Analytical Lab. :		NIVA				
.		Analysis Code. :		310				
.		Detection Limit :		0.100				
Samp/	Sex	Age	Wght	Lngt				
Repl.	F/M	year	g	mm				
no.								
				Dry	Fat			
				%	%			
					Hg			
					ppm			
					w. wt			
01/	0	F	3	563	380	18.60	.	0.250
02/	0	M	3	554	390	18.70	.	0.190
03/	0	M	3	675	390	17.70	.	0.050
04/	0	F	3	601	400	18.30	.	0.260
05/	0	M	2	572	400	18.30	.	0.310
07/	0	M	3	574	400	17.80	.	0.160
08/	0	F	3	703	400	19.10	.	0.220
09/	0	F	3	657	410	17.70	.	0.140
10/	0	M	3	690	410	22.10	.	0.330
11/	0	F	3	758	440	20.50	.	0.140
13/	0	F	4	970	460	22.60	.	0.230
14/	0	M	4	1105	470	19.10	.	0.080
15/	0	M	3	1174	480	23.00	.	0.090
16/	0	M	3	1353	480	19.00	.	0.140
17/	0	F	4	899	480	20.30	.	0.160
19/	0	M	3	1172	490	19.80	.	0.380
20/	0	F	3	1102	490	19.10	.	0.140
21/	0	F	4	1219	500	22.00	.	0.290
22/	0	M	3	1132	500	19.00	.	0.500
23/	0	F	3	1064	510	18.70	.	0.460
25/	0	M	3	1101	520	22.80	.	0.150
26/	0	F	4	1352	540	22.30	.	0.290
27/	0	M	5	1234	540	18.70	.	0.580
28/	0	F	4	1751	560	21.40	.	0.170
29/	0	M	4	1832	570	19.50	.	0.250
Mean		3.3		992	464	19.84	.	0.238
Minim.		2		554	380	17.70	.	0.050
Maxim.		5		1832	570	23.00	.	0.580
St.dev		0.6		360	59	1.73	.	0.133
Count		25		25	25	25	.	25

Sample.No 01 : NIVA NO. 21
 MUSCLE : 0039,20 g tissue used in analysis.
 Sample.No 02 : NIVA NO. 04.
 MUSCLE : 0025,50 g tissue used in analysis.
 Sample.No 03 : NIVA NO. 10.
 MUSCLE : 0039,20 g tissue used in analysis.
 Sample.No 04 : NIVA NO. 01. Skin and/or oral cavity with caligiform and/or lemaeopodiiform copepods
 MUSCLE : 0025,30 g tissue used in analysis.
 Sample.No 05 : NIVA NO. 02
 MUSCLE : 0024,90 g tissue used in analysis.
 Sample.No 07 : NIVA NO. 05 Liver with necrotic areas and/or discolouration
 MUSCLE : 0027,90 g tissue used in analysis.
 Sample.No 08 : NIVA NO. 11. Skin with metacercariae of cf. Cryptocotyle lingua Bacterial fin rot
 MUSCLE : 0038,20 g tissue used in analysis.
 Sample.No 09 : NIVA NO. 06
 MUSCLE : 0032,80 g tissue used in analysis.
 Sample.No 10 : NIVA NO. 12. Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration
 MUSCLE : 0031,60 g tissue used in analysis.
 Sample.No 11 : NIVA NO. 03.
 MUSCLE : 0040,20 g tissue used in analysis.
 Sample.No 13 : NIVA NO. 22. Liver and/or intestinal guts with larvae of Anisakis simplex
 MUSCLE : 0050,80 g tissue used in analysis.
 Sample.No 14 : NIVA NO. 07. Skin with ulceration, lymphocytic areas and/or lesions Bacterial fin rot
 MUSCLE : 0039,90 g tissue used in analysis.
 Sample.No 15 : NIVA NO. 13.
 MUSCLE : 0063,50 g tissue used in analysis.
 Sample.No 16 : NIVA NO. 14
 MUSCLE : 0067,80 g tissue used in analysis.
 Sample.No 17 : NIVA NO. 16.
 MUSCLE : 0047,20 g tissue used in analysis.
 Sample.No 19 : NIVA NO. 17.
 MUSCLE : 0052,20 g tissue used in analysis.
 Sample.No 20 : NIVA NO. 18.
 MUSCLE : 0058,70 g tissue used in analysis.
 Sample.No 21 : NIVA NO. 08. Muscle with signs of inner bleeding
 MUSCLE : 0036,70 g tissue used in analysis.
 Sample.No 22 : NIVA NO. 19. Muscle with signs of inner bleeding Liver with necrotic areas and/or discolouration
 MUSCLE : 0057,20 g tissue used in analysis.
 Sample.No 23 : NIVA NO. 23. Skin with ulceration, lymphocytic areas and/or lesions Liver with necrotic areas and/or discolouration
 MUSCLE : 0047,70 g tissue used in analysis.
 Sample.No 25 : NIVA NO. 15.
 MUSCLE : 0047,40 g tissue used in analysis.
 Sample.No 26 : NIVA NO. 09.
 MUSCLE : 0049,80 g tissue used in analysis.
 Sample.No 27 : NIVA NO. 20. Liver with necrotic areas and/or discolouration
 MUSCLE : 0057,50 g tissue used in analysis.
 Sample.No 28 : NIVA NO. 24.
 MUSCLE : 0068,60 g tissue used in analysis.
 Sample.No 29 : NIVA NO. 25. Skin and/or oral cavity with caligiform and/or lemaeopodiiform copepods
 MUSCLE : 0050,50 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørkjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørkjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **921215**, Count: 22, Sample type: **Individual**.
 Comment : Station name : Inner Sørkjord

Analytical Lab. :		NIVA	
Analysis Code. :		310	
Detection Limit. :		0.100	
Samp/ Repl. no.	Sex Age Wght Ingt F/M year g mm	Dry %	Fat % Hg ppm w. wt
01/0	M 2 532 400	22.10	0.319
02/0	F 3 665 440	18.80	0.134
03/0	M 1 746 450	.	0.148
04/0	M 2 796 450	17.10	0.520
05/0	F 3 804 460	20.90	0.223
06/0	F 3 916 470	19.90	0.335
07/0	F 3 944 490	17.70	0.564
08/0	F 3 1224 510	20.10	0.461
09/0	F 4 1122 510	21.80	0.541
10/0	F 4 1522 510	18.70	0.497
11/0	F 4 1593 520	20.40	0.360
12/0	F 4 1440 550	19.90	0.396
13/0	M 5 1582 550	18.80	0.307
14/0	M 3 1576 560	18.80	0.389
15/0	F 3 1851 560	21.60	0.630
16/0	F 3 1876 570	19.10	0.111
17/0	M 3 1909 570	18.60	0.223
18/0	F 3 2242 570	18.80	0.445
19/0	F 4 2447 580	19.90	0.400
20/0	F 5 2655 610	19.60	0.327
21/0	M 4 2234 650	19.00	0.811
22/0	F 4 3487 700	17.10	0.640
Mean	3.3 1553 531	19.46	0.399
Minim.	1 532 400	17.10	0.111
Maxim.	5 3487 700	22.10	0.811
St. dev	1.0 747 72	1.39	0.178
Count	21 22 22	21	22

Sample.No 03 : Bacterial fin rot
 MJSCLE : Dry weight sample lost
 Sample.No 09 : Bacterial fin rot
 Sample.No 10 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 12 : NIVA no.18
 Sample.No 13 : NIVA no.19
 Sample.No 15 : Otolith partly chrysalized, no age determination Skin and/or oral cavity with caligiform and/or lernaepodiform copepods
 Sample.No 16 : NIVA no.12
 Sample.No 17 : NIVA no.13
 Sample.No 18 : NIVA no.20 Skin and/or oral cavity with caligiform and/or lernaepodiform copepods
 Sample.No 19 : NIVA no.16 Bacterial fin rot
 Sample.No 20 : NIVA no.21
 Sample.No 21 : NIVA no.22
 Sample.No 22 : NIVA no.17

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørjorden**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **921215**, Count: 22, Sample type: **Bulked**.
 Comment : Station name : **Inner Sørjorden**

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 Fat %	NIVA 341 0.10 CB28 ppb	NIVA 341 0.10 CB101 ppb	NIVA 341 0.10 CB105 ppb	NIVA 341 0.10 CB118 ppb	NIVA 341 0.10 CB138 ppb	NIVA 341 0.10 CB153 ppb	NIVA 341 0.10 CB156 ppb	NIVA 341 0.10 CB180 ppb	NIVA 341 0.10 CB209 ppb	Σ(*) i	CB Σ7 ppb	CB Σ8 ppb	DOREPP ppb	TDREPP ppb	NIVA 341 0.10 DD Σ4 ppb	HCHA ppb	HCHG ppb	HCB ppb	Σ(*) i	NIVA 341 0.10 HC Σ2 ppb	NIVA 341 0.10 HCB ppb	NIVA 341 0.10 QCB ppb
23/ 0 X 2 841 464	. 0.30	<0.10	2.00	2.30	4.70	6.40	6.20	0.70	1.10	<0.10	<20.5	<20.5	<26.0	6.50	0.70	7.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
24/ 0 F 4 1380 520	. 0.40	<0.10	0.70	1.10	2.20	3.40	3.70	0.40	0.90	<0.10	<11.0	<12.5	<5.0	7.00	0.70	7.70	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
25/ 0 X 4 1759 562	. 0.30	<0.10	0.30	0.40	0.90	1.30	1.40	0.20	0.40	<0.10	<4.4	<5.0	4.70	0.60	5.30	5.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
26/ 0 X 4 2613 622	. 0.30	<0.10	2.10	5.10	12.60	17.20	19.60	2.30	3.80	<0.10	<55.4	<62.8	27.20	2.00	29.20	29.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Mean	. 0.33	<<0.10	1.28	2.23	5.10	7.08	7.73	0.90	1.55	<<0.10	<<22.8	<<26.0	11.35	1.00	12.35	12.35	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	
Minim.	. 0.30	<0.10	0.30	0.40	0.90	1.30	1.40	0.20	0.40	<0.10	<4.4	<5.0	4.70	0.60	5.30	5.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Maxim.	. 0.40	<0.10	2.10	5.10	12.60	17.20	19.60	2.30	3.80	<0.10	<55.4	<62.8	27.20	2.00	29.20	29.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
St.dev	. 0.05	~0.00	0.91	2.07	5.24	7.07	8.16	0.96	1.53	~0.00	~22.7	~25.7	10.61	0.67	11.28	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	
Count	. 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

Tab.width cont'd **GADU MOR, MU, J63, 53B Inner Sørjorden, 921215.**

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 341 0.10 OCS ppb	W.WT
23/ 0 X 2 841 464	<0.10	
24/ 0 F 4 1380 520	<0.10	
25/ 0 X 4 1759 562	<0.10	
26/ 0 X 4 2613 622	<0.10	
Mean	<<0.10	
Minim.	<0.10	
Maxim.	<0.10	
St.dev	~0.00	
Count	4	4

Sample.No 23 : Bulk of NIVA nos.:3,4,5,6,7
 Sample.No 24 : Bulk of NIVA nos.:8,9,10,11,18
 Sample.No 25 : Bulk of NIVA nos.:12,13,14,15,19
 Sample.No 26 : Bulk of NIVA nos.:16,17,20,21,22

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J62 Hordangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch, date : **871125**, Count: 22, Sample type: **Individual**.
 Comment : Station name : Strandebar

		Analytical Lab. :		FIER				
		Analysis Code. :		401				
		Detection Limit :		0.010				
Samp/	Sex	Age	Wght	Lngt		Dry	Fat	Hg
Repl.	F/M	year	g	mm		%	%	ppm
no.								w.wt
01/ 0	F	3	956	450		16.80	.	0.084
02/ 0	F	3	2883	600		19.50	.	0.270
03/ 0	F	3	1360	490		20.00	.	0.100
04/ 0	F	1	928	440		20.60	.	0.045
05/ 0	F	2	1483	545		19.70	.	0.100
06/ 0	M	2	1341	525		19.70	.	0.060
07/ 0	F	2	1612	555		19.89	.	0.170
08/ 0	M	3	1728	550		19.80	.	0.160
09/ 0	M	3	2109	605		20.00	.	0.250
10/ 0	F	3	1858	580		20.09	.	0.210
11/ 0	F	3	986	460		20.60	.	0.087
12/ 0	M	3	1646	530		20.60	.	0.160
13/ 0	F	3	1289	490		22.00	.	0.094
14/ 0	M	3	1498	525		21.50	.	0.120
15/ 0	M	3	1737	545		20.90	.	0.170
16/ 0	F	2	1671	545		20.40	.	0.110
17/ 0	F	3	1241	495		20.40	.	0.110
18/ 0	M	3	1435	530		20.60	.	0.060
19/ 0	M	3	1670	535		21.60	.	0.099
20/ 0	F	3	2028	580		20.40	.	0.290
21/ 0	M	3	1331	490		20.60	.	0.160
22/ 0	M	3	1019	445		20.40	.	0.190
Mean		2.7	1537	523		20.28	.	0.141
Minim.		1	928	440		16.80	.	0.045
Maxim.		3	2883	605		22.00	.	0.290
St.dev		0.6	446	48		1.00	.	0.069
Count		22	22	22		22	.	22

Sample.No 01 : MUSCLE : 70,80 g tissue used in analysis.
 Sample.No 02 : MUSCLE : 72,39 g tissue used in analysis.
 Sample.No 03 : MUSCLE : 73,89 g tissue used in analysis.
 Sample.No 04 : MUSCLE : 70,30 g tissue used in analysis.
 Sample.No 05 : MUSCLE : 85,90 g tissue used in analysis.
 Sample.No 06 : MUSCLE : 66,80 g tissue used in analysis.
 Sample.No 07 : MUSCLE : 71,50 g tissue used in analysis.
 Sample.No 08 : MUSCLE : 74,00 g tissue used in analysis.
 Sample.No 09 : MUSCLE : 84,30 g tissue used in analysis.
 Sample.No 10 : MUSCLE : 95,00 g tissue used in analysis.
 Sample.No 11 : MUSCLE : 56,90 g tissue used in analysis.
 Sample.No 12 : MUSCLE : 71,60 g tissue used in analysis.
 Sample.No 13 : MUSCLE : 89,60 g tissue used in analysis.
 Sample.No 14 : MUSCLE : 110,20 g tissue used in analysis.
 Sample.No 15 : MUSCLE : 91,10 g tissue used in analysis.
 Sample.No 16 : MUSCLE : 95,70 g tissue used in analysis.
 Sample.No 17 : MUSCLE : 84,00 g tissue used in analysis.
 Sample.No 18 : MUSCLE : 84,50 g tissue used in analysis.
 Sample.No 19 : MUSCLE : 99,90 g tissue used in analysis.
 Sample.No 20 : MUSCLE : 106,50 g tissue used in analysis.
 Sample.No 21 : MUSCLE : 86,30 g tissue used in analysis.
 Sample.No 22 : MUSCLE : 93,40 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **881011**, Count: 25, Sample type: **Homogenate**.

• Analytical Lab. :	NIVA	MAC
• Analysis Code. :	310	511
• Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Dry	Fat
Repl. F/M year g mm	%	Hg
no.		ppm
		d.wt
		w.wt
01/ 0 X 3 1334 493	22.90	0.40 0.370 <0.020

Sample.No 01 : Bulk of spec.no. 1-25

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **891015**, Count: 22, Sample type: **Individual**.

Analytical Lab. : NIVA		310					
Analysis Code. : 0.100		Hg					
Detection Limit :		ppm					
Samp/	Sex	Age	Wght	Lmgt	Dry	Fat	Hg
Repl.	F/M	year	g	mm	%	%	d.wt
no.							
01/	0	M	2	1883	540	21.98	0.500
02/	0	F	2	1044	450	22.04	0.500
03/	0	M	2	1324	520	20.62	0.300
04/	0	M	1	1491	530	20.95	0.300
05/	0	F	1	1234	505	20.48	0.200
06/	0	M	1	1176	515	20.62	0.600
07/	0	M	1	1529	550	20.31	0.500
08/	0	F	1	1846	520	38.38	0.400
09/	0	F	2	1324	545	20.38	0.400
10/	0	F	1	1548	535	22.48	0.400
11/	0	F	1	1819	540	22.06	0.500
12/	0	F	1	842	440	21.76	0.400
13/	0	F	2	787	435	20.79	0.400
14/	0	M	1	1575	515	22.55	0.400
15/	0	F	3	1959	570	20.36	0.400
16/	0	F	1	1606	550	22.05	0.700
17/	0	F	1	1247	500	21.29	0.400
18/	0	M	1	1368	520	20.96	0.500
19/	0	F	1	1592	525	21.48	0.400
20/	0	F	2	1009	460	21.16	0.700
21/	0	M	2	1379	515	21.92	0.700
22/	0	F	1	1197	540	21.56	0.600
Mean	1.4		1399	515	22.10		0.464
Minim.	1		787	435	20.31		0.200
Maxim.	3		1959	570	38.38		0.700
St.dev	0.6		324	37	3.71		0.133
Count	22		22	22	22		22

Sample.No 01 : seine 50m depth
 MUSCLE : 0090,00 g tissue used in analysis.
 Sample.No 02 : seine 50m depth. Uncertain age determination
 MUSCLE : 0080,00 g tissue used in analysis.
 Sample.No 03 : seine 20m depth.
 MUSCLE : 0079,00 g tissue used in analysis.
 Sample.No 04 : seine 20m depth
 MUSCLE : 0102,00 g tissue used in analysis.
 Sample.No 05 : weir 5m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0092,00 g tissue used in analysis.
 Sample.No 06 : seine 50m depth. Uncertain age determination
 MUSCLE : 0091,00 g tissue used in analysis.
 Sample.No 07 : seine 30m depth.
 MUSCLE : 0088,00 g tissue used in analysis.
 Sample.No 08 : seine 30m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0086,00 g tissue used in analysis.
 Sample.No 09 : weir 5m depth. Uncertain age determination
 MUSCLE : 0101,00 g tissue used in analysis.
 Sample.No 10 : seine 40m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0099,00 g tissue used in analysis.
 Sample.No 11 : seine 60m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0091,00 g tissue used in analysis.
 Sample.No 12 : weir 10m depth.
 MUSCLE : 0087,00 g tissue used in analysis.
 Sample.No 13 : weir 5m depth.
 MUSCLE : 0072,00 g tissue used in analysis.
 Sample.No 14 : weir 10m depth.
 MUSCLE : 0111,00 g tissue used in analysis.
 Sample.No 15 : weir 5m depth.
 MUSCLE : 0116,00 g tissue used in analysis.
 Sample.No 16 :
 MUSCLE : 0097,00 g tissue used in analysis.
 Sample.No 17 : weir 5m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0112,00 g tissue used in analysis.
 Sample.No 18 : weir 5m depth.
 MUSCLE : 0098,00 g tissue used in analysis.
 Sample.No 19 : seine 20m depth.
 MUSCLE : 0089,00 g tissue used in analysis.
 Sample.No 20 : weir 10m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0099,00 g tissue used in analysis.
 Sample.No 21 : weir 5m depth.
 MUSCLE : 0106,00 g tissue used in analysis.
 Sample.No 22 : weir 10m depth. Skin with metacercari cf. Cryptocotyle lingua
 MUSCLE : 0093,00 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE** .
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **891015**, Count: 22, Sample type: **Homogenate**.

Analytical Lab. :	NACE		
Analysis Code. :	511		
Detection Limit :	0.020		
Samp/ Sex Age Wght Lngt	Diry	Fat	PCB
Repl. F/M year g mm	%	%	ppm
no.			w.wt
23/ 0 H 1 1399 515	22.58	0.20	<0.020

Sample.No 23 : Bulk of ind.no. 1-22. Uncertain age determination for some individuals

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebarbm**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **901009**, Count: 13, Sample type: **Individual**.
 Comment : Caught 1009-1201. All but ind. nos. 4, 6 and 10 sent frozen to NIVA for preparation. Ind. nos. 4, 6 and 10 prepared fresh.

Analytical Lab. :		NIVA						
Analysis Code. :		310						
Detection Limit :		0.010						
Samp/ Repl. no.	Sex	Age	Wght	Lrgt	Dry %	Fat %	Hg ppm	w. wt
01/ 0	F	1	424	350	19.70	.	0.050	
02/ 0	F	1	974	460	21.40	.	0.100	
03/ 0	M	2	1181	460	21.70	.	0.070	
04/ 0	M	3	1424	500	21.90	.	0.040	
05/ 0	M	2	1384	500	20.50	.	0.190	
06/ 0	F	3	1404	510	19.00	.	0.090	
07/ 0	F	3	1395	510	20.00	.	0.080	
08/ 0	M	2	1420	520	20.70	.	0.120	
09/ 0	M	1	1267	520	19.40	.	0.260	
10/ 0	M	5	1614	540	19.50	.	0.340	
11/ 0	F	1	1898	550	19.20	.	0.330	
12/ 0	M	4	1828	580	19.90	.	0.200	
13/ 0	F	3	2139	610	19.80	.	0.250	
Mean	2.4	1412	508		20.21	.	0.163	
Minim.	1	424	350		19.00	.	0.040	
Maxim.	5	2139	610		21.90	.	0.340	
St.dev	1.3	430	63		0.96	.	0.105	
Count	13	13	13		13	.	13	

Sample.No 01 : NIVA no. 13
 Sample.No 02 : NIVA no. 04
 Sample.No 03 : NIVA no. 07
 Sample.No 04 : NIVA no. 02
 Sample.No 05 : NIVA no. 10
 Sample.No 06 : NIVA no. 01.
 Sample.No 07 : NIVA no. 08
 Sample.No 08 : NIVA no. 05.
 Sample.No 09 : NIVA no. 09.
 Sample.No 10 : NIVA no. 03.
 Sample.No 11 : NIVA no. 11.
 Sample.No 12 : NIVA no. 06.
 Sample.No 13 : NIVA no. 12.

Skin with metacercariae of cf. *Cryptocotyle lingua*.

Tab.width cont'd **GADU MOR, MU, J62, 67B Strandebar, 911023.**

Analytical Lab. : NIVA	
Analysis Code. : 341	
Detection Limit : 0.05	
OCS	
ppb	
w. wt	
Samp/ Repl. no.	F/M year
06/ 0	X 2
12/ 0	X 3
18/ 0	X 3
24/ 0	X 4
Mean	3.0
Minim.	2
Maxim.	4
St. dev	0.8
Count	4

Sample.No 06 : SPEC.NO. 01+02+03+04+05
 Sample.No 12 : SPEC.NO. 07+08+09+10+11
 Sample.No 18 : SPEC.NO. 13+14+15+16+17
 Sample.No 24 : SPEC.NO. 19+20+21+22+23

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **921201**, Count: 8, Sample type: **Individual**.
 Comment : Station name : Strandebar

Analytical Lab. : NIVA	
Analysis Code. : 310	
Detection Limit : 0.100	
Hg	
ppm	
w. wt	
Samp/ Repl. no.	F/M year
01/ 0	M 3
02/ 0	M 1
03/ 0	F 2
04/ 0	F 2
05/ 0	M 5
06/ 0	M 3
07/ 0	F 3
08/ 0	M 3
Mean	2.8
Minim.	1
Maxim.	5
St. dev	1.2
Count	8

Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area : **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebarbm**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **921201**, Count: 8, Sample type: **Homogenate**.
 Comment : Station name : **Strandebarbm**

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	
Analysis Code. :	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Detection Limit :	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Samp/ Sex Age Wght Lrgt	CB28	CB52	CB101	CB105	CB118	CB138	CB153	CB156	CB180	CB209	CB277	CB277	CB277	CB277	CB277	CB277	CB277	CB277	CB277	
Repl. F/M year g mm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
no.	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	
09/ 0 X 3 1463 516	0.30	<0.10	<0.10	0.10	0.10	0.10	0.30	<0.10	0.10	<0.10	<1.1	<1.2	1.40	0.50	1.90	0.10	0.10	0.10	0.20	<0.10

Tab.width cont'd **GADU MOR, MU, J62, 67B Strandebarbm, 921201.**

Analytical Lab. :	NIVA
Analysis Code. :	341
Detection Limit :	0.10
Samp/ Sex Age Wght Lrgt	OCS
Repl. F/M year g mm	ppb
no.	w.wt
09/ 0 X 3 1463 516	<0.10

Sample.No 09 : Bulk of NIVA nos.:1,2,3,4,5,6,7,8

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Torsk.
 Sample.area : **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **841000**, Count: 13, Sample type: **Individual**.

Analytical Lab. :	VETN	VETN
Analysis Code. :	220	211
Detection Limit :	0.010	0.050
Samp/ Sex Age Wght Lrgt	Dry	Fat
Repl. F/M year g mm	%	%
no.	ppm	ppm
	w.wt	w.wt
01/ 0 M 1200 510	20.30	0.060
02/ 0 M 1400 540	21.50	0.050
03/ 0 F 2900 690	21.70	0.050
04/ 0 M 2000 620	21.60	0.060
05/ 0 M 1200 530	20.30	0.070
06/ 0 M 1000 470	20.80	0.030
07/ 0 M 350 340	20.60	0.030
08/ 0 M 1020 510	19.30	0.070
09/ 0 M 930 470	19.50	0.040
10/ 0 F 720 440	19.00	0.030
11/ 0 F 270 320	20.00	0.040
12/ 0 F 1750 570	21.10	0.040
13/ 0 M 1000 470	20.60	0.060
Mean	20.48	0.049
Minim.	19.00	0.030
Maxim.	21.70	0.070
St.dev	0.87	0.015
Count	13	13

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **851127**, Count: 10, Sample type: **Individual**.
 Comment : All samples were infected with metacercari of Cryptocotyle lingua on skin tissue

Analytical Lab. :		VETN		VETN	
Analysis Code. :		220		211	
Detection Limit :		0.010		0.050	
Samp/ Repl.	Sex Age Wght Lngt	Dry %	Fat %	Hg ppm	PCB ppm
F/M	year g mm			w.wt	w.wt
01/ 0	F 3 306 320	20.80	.	0.040	<0.050
02/ 0	M 2 1205 520	20.20	.	0.040	<0.050
03/ 0	F 3 1447 450	22.90	.	0.060	<0.050
04/ 0	F 5 4750 770	19.70	.	0.080	<0.050
05/ 0	F 2 721 440	26.60	.	0.030	<0.050
06/ 0	M 3 931 450	22.70	.	0.040	<0.050
07/ 0	M 3 919 440	21.50	.	0.040	<0.050
08/ 0	M 3 811 440	20.90	.	0.070	<0.050
09/ 0	M 5 785 450	19.40	.	0.030	<0.050
10/ 0	M 5 1611 530	20.40	.	0.090	<0.050
Mean	3.4 1349 481	21.51	.	0.052	<<.050
Minim.	2 306 320	19.40	.	0.030	<0.050
Maxim.	5 4750 770	26.60	.	0.090	<0.050
St.dev	1.2 1252 116	2.13	.	0.021	~0.000
Count	10 10 10	10	.	10	10

Sample.No 04 : Surface of liver with a few Anisakis larvae

Sample.No 06 :
 MUSCLE : Signs of inner bleeding in the muscle tissue.

Sample.No 07 :
 MUSCLE : Surface of liver with a few Anisakis larvae

Sample.No 10 : Surface of liver with a few Anisakis larvae

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 1, Sample type: **Individual**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :		310		511	
Detection Limit :		0.010		0.020	
Samp/ Repl.	Sex Age Wght Lngt	Dry %	Fat %	Hg ppm	PCB ppm
F/M	year g mm			d.wt	w.wt
01/ 0	F 2 2300 640	20.54	.	0.120	0.040

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **871020**, Count: 1, Sample type: **Individual**.

Analytical Lab. :		NIVA	
Analysis Code. :		310	
Detection Limit :		0.010	
Samp/ Repl.	Sex Age Wght Lngt	Dry %	Fat %
F/M	year g mm		
01/ 0	F 1 60 200	.	.
			0.070

Sample.No 01 :
 MUSCLE : 5,00 g tissue used in analysis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 4, Sample type: **Homogenate**.

.	Analytical Lab. :	NIVA	NACE
.	Analysis Code. :	310	511
	Detection Limit :	0.010	0.020
	Samp/ Sex Age Wght Lngt	Fat	P C B
Repl. F/M year g mm	%	ppm	ppm
no.	%	d.wt	w.wt
01/ 0 X 3 1154 471	20.90	0.20	<0.020

Sample.No 01 : Bulk of spec.no. 1-4

Species : **GADU MOR**, *Gadus morhua*, GB: Cod, N: Iorsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **98B Lille Molla**, Latitude: 68°12.00N, Longitude: 14°48.00E.
 Catch,date : **921201**, Count: 25, Sample type: **Individual**.
 Comment : Station name : Lille Molla

Samp/ Repl. no.	Sex	Age	Wght	Lngt	Analytical Lab. : Analysis Code. : Detection Limit :	NIVA 310 0.100	Dry %	Fat %	Hg ppm w.wt
01/0	M	6	1416	500			17.40		0.187
02/0	M	4	1386	520			18.00		0.098
03/0	F	3	1603	530			19.40		0.048
04/0	M	6	1951	535			20.00		0.066
05/0	M	4	1836	540			20.20		0.068
06/0	M	5	1677	540			19.10		0.064
07/0	M	6	1763	540			19.00		0.057
08/0	F	3	1969	540			19.70		0.040
09/0	F	4	1826	540			18.70		0.067
10/0	F	3	1819	550			18.70		0.095
11/0	M	6	2070	550			19.00		0.080
12/0	M	5	1848	570			19.70		0.062
13/0	M	5	2174	570			19.80		0.067
14/0	M	6	2101	580			18.90		0.063
15/0	M	4	2194	585			19.00		0.024
16/0	F	5	2101	590			19.10		0.107
17/0	M	5	2138	595			21.90		0.056
18/0	M	7	2138	595			19.60		0.056
19/0	M	6	2620	600			19.70		0.037
20/0	F	4	2511	610			19.30		0.161
21/0	M	5	1931	620			19.00		0.073
22/0	F	5	2517	640			17.90		0.135
23/0	F	5	2516	650			18.60		0.091
24/0	M	5	2883	670			21.00		0.055
25/0	M	4	2768	700			17.10		0.067
Mean		4.8	2070	578			19.19		0.077
Minim.		3	1386	500			17.10		0.024
Maxim.		7	2883	700			21.90		0.187
St.dev		1.1	393	50			1.03		0.038
Count		25	25	25			25		25

Sample.No 02 : Liver with necrotic cysts or tumors
 Sample.No 03 : Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 04 : Muscle with signs of inner bleeding
 Sample.No 05 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 06 : body unusually soft
 Sample.No 07 : Skin with metacercariae of cf. Cryptocotyle lingua Liver with necrotic cysts or tumors
 Sample.No 10 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 11 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 12 : Liver with necrotic areas and/or discoloration
 Sample.No 13 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 15 : Liver with necrotic areas and/or discoloration
 Sample.No 16 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 17 : Liver and/or intestinal guts with larvae of Anisakis simplex Liver with necrotic areas and/or discoloration
 Sample.No 18 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 19 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 20 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 21 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 22 : Muscle with signs of inner bleeding Liver with necrotic cysts or tumors
 Sample.No 23 : Muscle with signs of inner bleeding Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 24 : Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 25 : Liver with necrotic cysts or tumors

Species : **GLYP CYN**, Glyptocephalus cynoglossus GB: Witch, N: Smørflyndre.
 Sample.area: **J63 Sørfjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 3, Sample type: **Individual**.

Analytical Lab. :		FIER 402		FIER 404		FIER 403		FIER 405	
Analysis Code. :		0.001		0.050		0.010		0.02	
Detection Limit :		Cd		Cu		Pb		Zn	
Samp/ Repl.	Sex Age Wght Lngt	Mean	Fat	Mean	Fat	Mean	Fat	Mean	Fat
F/M	year g mm	g	%	g	%	g	%	g	%
02/ 0	F 1 334 360	3.6	26.00	1.300	8.400	9.200	28.90		
03/ 0	F 3 492 345	4.8	26.00	2.200	7.600	6.400	26.70		
Mean	2.0 413 353	4.2	26.00	1.750	8.000	7.800	27.80		
Minim.	1 334 345	3.6	26.00	1.300	7.600	6.400	26.70		
Maxim.	3 492 360	4.8	26.00	2.200	8.400	9.200	28.90		
St.dev	1.4 112 11	0.8	0.00	0.636	0.566	1.980	1.56		
Count	2 2 2	2	2	2	2	2	2		

Sample.No 02 : Caught at "Skreo", ca. 100m from Tyssedal quay.
 Sample.No 03 : Caught at "Skreo", ca. 100m from Tyssedal quay.

Species : **GLYP CYN**, Glyptocephalus cynoglossus GB: Witch, N: Smørflyndre.
 Sample.area: **J63 Sørfjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 5, Sample type: **Bulked**.

Analytical Lab. :		NIVA 340	
Analysis Code. :		0.000	
Detection Limit :		PCB	
Samp/ Repl.	Sex Age Wght Lngt	Mean	Fat
F/M	year g mm	g	%
04/ 0	X 2 413 353	27.70	1.023

Sample.No 04 : Bulk of fish 02 and 03.

Species : **GLYP CYN**, Glyptocephalus cynoglossus GB: Witch, N: Smørflyndre.
 Sample.area: **J63 Sørfjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **870222**, Count: 3, Sample type: **Individual**.

Analytical Lab. :		FIER 401		FIER 401	
Analysis Code. :		0.010		0.010	
Detection Limit :		Hg		Hg	
Samp/ Repl.	Sex Age Wght Lngt	Mean	Fat	Mean	Fat
F/M	year g mm	g	%	g	%
01/ 0	M 257 340	19.70	0.23	0.590	0.19
02/ 0	F 1 334 360	19.50	0.16	0.580	0.16
03/ 0	F 3 492 345	22.60	0.19	0.680	0.19
Mean	2.0 361 348	20.60	0.19	0.617	0.19
Minim.	1 257 340	19.50	0.16	0.580	0.16
Maxim.	3 492 360	22.60	0.23	0.680	0.23
St.dev	1.4 120 10	1.73	0.04	0.055	0.04
Count	2 3 3	3	3	3	3

Sample.No 01 : Caught at "Skreo", ca. 100m from Tyssedal quay. Liver not found.
 MUSCLE : 29,00 g tissue used in analysis.
 Sample.No 02 : Caught at "Skreo", ca. 100m from Tyssedal quay.
 MUSCLE : 32,10 g tissue used in analysis.
 Sample.No 03 : Caught at "Skreo", ca. 100m from Tyssedal quay.
 MUSCLE : 26,90 g tissue used in analysis.

Species : **LEPI WHI**, Lepidorhombus whiff-iajonis, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **840200**, Count: 19, Sample type: **Individual**.

Analytical Lab. :		FIER	
Analysis Code. :		402	
Detection Limit :		0.001	
Samp/	Sex Age Wght Lngt	Dry	Fat
Repl. F/M year	g mm	%	%
no.			Cd
			ppm
			w.wt
01/ 0	F 250 320	45.80	0.140
02/ 0	M 300 350	42.00	miss
03/ 0	M 350 300	39.69	0.180
04/ 0	F 400 400	38.19	0.150
05/ 0	F 500 400	42.00	0.290
06/ 0	M 500 420	49.40	0.380
07/ 0	M 8 600 450	47.10	0.076
08/ 0	M 9 650 450	27.30	0.237
09/ 0	F 7 700 450	.	miss
10/ 0	F 7 450 400	50.90	0.166
11/ 0	X 7 450 400	24.20	miss
12/ 0	F 500 370	56.80	0.181
13/ 0	M 8 500 400	79.89	miss
14/ 0	M 8 500 400	44.70	0.207
15/ 0	M 7 550 400	47.60	0.187
16/ 0	F 750 450	46.70	miss
17/ 0	F 800 450	55.90	miss
18/ 0	F 9 1150 500	60.50	0.311
19/ 0	F 9 1100 500	51.50	0.081
Mean	7.9 579 411	47.23	0.199
Minim.	7 250 300	24.20	0.076
Maxim.	9 1150 500	79.89	0.380
St.dev	0.9 239 53	12.31	0.088
Count	10 19 19	18	13

miss(6) ! Missing value.

Species : **LEPI WHI**, Lepidorhombus whiff-iajonis, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **871125**, Count: 19, Sample type: **Homogenate**.

Analytical Lab. :		FIER		FIER		FIER	
Analysis Code. :		402		404		403	
Detection Limit :		0.001		0.050		0.010	
Samp/	Sex Age Wght Lngt	Dry	Fat	Cu	Pb	Zn	
Repl. F/M year	g mm	%	%	ppm	ppm	ppm	
no.				w.wt	w.wt	w.wt	
01/ 0	X 6 509 398	9.2	10.00	15.300	0.110	80.50	
Mean		Weight					

Sample.No 01 :
 LIVER : homogenate of 19 fish livers: min.=2.9g, max.=14.3g, mean=7.76g, sd=3.03g

Species : **LEPI WHI**, Lepidorhombus whiff-iaconis, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **881011**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	Σ(*)	NACE	Σ(*)	NACE	NACE
Analysis Code. :	312	311	312	311	510	510	510	!	510	!	510	610
Detection Limit :	0.030	0.150	0.150	0.150	0.040	40.00	40.00	!	40.00	!	40.00	0.800
Sample/ Sex Age Wght Lngt	Cd	Cu	Pb	Zn	PCB	DDEPP	DDTTP	DD_Σ4	HCHG	HC_Σ2	HCB	EPOCL
Repl. F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 7 569 405	0.270	35.200	0.310	264.00	0.680	160.00	<40.00	<200.00	<40.00	<40.00	<40.00	3.330

Sample.No 01 : Bulk of spec.no. 1-25

Species : **LEPI WHI**, Lepidorhombus whiffiagonis, GB: Megrim, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue: **LIVER**
 Locality : **67B Strandebarim**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **891208**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA 312		NIVA 311		NIVA 312		NIVA 311	
Analysis Code. :		Cd		Cu		Pb		Zn	
Detection Limit. :		ppm		ppm		ppm		ppm	
Sampl. Repl.	Sex	Age	Wght	Lngt	Fat	Dry	Mean	Weight	Mean
no.	F/M	year	g	mm	%	%	g	g	d.wt
01/ 0	M	7	404	340	.	62.65	7.8	62.65	0.030
02/ 0	M	6	415	345	.	35.94	2.6	35.94	0.060
03/ 0	F	2	472	380	.	41.23	7.0	41.23	0.160
04/ 0	F	4	427	385	.	32.93	4.3	32.93	0.130
05/ 0	F	4	369	385	.	21.52	2.2	21.52	0.190
07/ 0	M	5	480	390	.	32.84	6.2	32.84	0.130
08/ 0	M	2	480	390	.	38.20	7.7	38.20	0.260
09/ 0	M	3	546	395	.	34.43	6.4	34.43	0.360
10/ 0	F	4	489	400	.	21.72	3.6	21.72	0.300
11/ 0	F	2	510	400	.	35.96	4.4	35.96	0.040
13/ 0	F	5	540	405	.	29.74	4.9	29.74	0.110
14/ 0	F	6	553	405	.	41.64	7.7	41.64	0.050
15/ 0	M	4	652	410	.	38.01	8.7	38.01	0.090
16/ 0	M	5	437	410	.	33.70	4.4	33.70	0.950
17/ 0	F	3	381	415	.	17.19	1.5	17.19	2.100
19/ 0	M	3	562	420	.	36.92	4.9	36.92	0.500
20/ 0	F	3	530	420	.	31.20	5.3	31.20	0.300
21/ 0	F	6	729	440	.	31.83	6.3	31.83	0.360
22/ 0	M	7	489	445	.	24.59	1.9	24.59	6.410
23/ 0	F	4	618	450	.	27.66	6.4	27.66	0.640
25/ 0	F	4	776	460	.	31.60	6.8	31.60	0.400
26/ 0	F	7	1064	465	.	20.47	6.6	20.47	2.950
27/ 0	F	6	1003	470	.	51.35	16.9	51.35	0.080
28/ 0	F	7	911	470	.	39.15	13.2	39.15	0.100
29/ 0	F	7	1005	485	.	32.90	12.2	32.90	0.300
Mean		4.6	594	415	.	33.81	6.4	33.81	0.680
Minim.		2	369	340	.	17.19	1.5	17.19	0.030
Maxim.		7	1064	485	.	62.65	16.9	62.65	6.410
St.dev		1.7	205	38	.	9.68	3.6	9.68	1.371
Count		25	25	25	.	25	25	25	25

Sample.No	Depth	Analysis
Sample.No 01	: seine 20m	depth.
Sample.No 02	: seine 40m	depth.
Sample.No 03	: seine 75m	depth. Uncertain age determination
Sample.No 04	: seine 50m	depth. Uncertain age determination
Sample.No 05	: seine 50m	depth. Uncertain age determination
Sample.No 07	: seine 60m	depth. Uncertain age determination
Sample.No 08	: seine 20m	depth. Uncertain age determination
Sample.No 09	: seine 20m	depth. Uncertain age determination
Sample.No 10	: seine 20m	depth. Uncertain age determination
Sample.No 11	: seine 60m	depth. Uncertain age determination
Sample.No 13	: seine 55m	depth. Uncertain age determination
Sample.No 14	: seine 40m	depth. Uncertain age determination
Sample.No 15	: seine 75m	depth. Uncertain age determination
Sample.No 16	: Uncertain age	determination
Sample.No 17	: seine 20m	depth. Uncertain age determination
Sample.No 19	: seine 40m	depth. Uncertain age determination
Sample.No 20	: seine 50m	depth. Uncertain age determination
Sample.No 21	: seine 30m	depth. Uncertain age determination
Sample.No 22	: seine 40m	depth. Uncertain age determination
Sample.No 25	: Uncertain age	determination
Sample.No 26	: seine 30m	depth. Uncertain age determination
Sample.No 27	: seine 80m	depth. Uncertain age determination
Sample.No 28	: seine 80m	depth. Uncertain age determination
Sample.No 29	: seine 50m	depth. Uncertain age determination

Species : **LEPI WHI**, *Lepidionchus whiff-igonis*, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **891208**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NACE		NACE		NACE		NACE		NACE		NACE		NACE		NACE		NACE	
	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
	0.020	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
	PCB	CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt
06/ 0 H 5 417 367	38.85	22.20	0.910	s<20.00	s70.00	s40.00	s200.00	s40.00	s<820.0	s<820.0	s<820.0	s<820.0	970.00	250.00	1220.00	<20.00	<20.00	<20.00
12/ 0 H 3 501 395	32.65	5.30	0.340	s300.00	s50.00	s20.00	s70.00	s<20.00	s<510.0	s<510.0	s<510.0	150.00	50.00	200.00	<20.00	<20.00	<20.00	1.840
18/ 0 H 5 513 409	32.06	8.60	0.450	s20.00	s70.00	s40.00	s100.00	s<20.00	s<340.0	s<340.0	s<340.0	130.00	280.00	410.00	<20.00	<20.00	<20.00	2.130
24/ 0 H 5 586 435	30.44	5.50	0.790	s50.00	s80.00	s80.00	s170.00	s20.00	s640.0	s640.0	s640.0	220.00	2380.00	2600.00	<20.00	<20.00	<20.00	0.900
30/ 0 X 6 952 470	35.09	13.70	0.090	s<20.00	s100.00	s<20.00	s30.00	s<20.00	s<210.0	s<210.0	s<210.0	60.00	640.00	700.00	<20.00	<20.00	<20.00	2.380
Mean 4.8 594 415	33.82	11.06	0.516	s<82.00	s60.00	s<40.00	s138.00	s<24.00	s<<508.0	s<<508.0	s<<508.0	306.00	720.00	1026.00	<<20.00	<<20.00	<<20.00	2.052
Minim. 3 417 367	30.44	5.30	0.090	s<20.00	s30.00	s<20.00	s30.00	s<20.00	s<210.0	s<210.0	s<210.0	60.00	50.00	200.00	<20.00	<20.00	<20.00	0.900
Maxim. 6 952 470	38.85	22.20	0.910	s300.00	s80.00	s100.00	s200.00	s40.00	s<820.0	s<820.0	s<820.0	970.00	2380.00	2600.00	<20.00	<20.00	<20.00	3.010
St.dev 1.1 209 39	3.27	7.09	0.334	~122.56	20.00	34.35	~24.49	~8.94	~237.4	~237.4	~237.4	375.54	952.02	959.57	~0.00	~0.00	~0.00	0.775
Count 5 5 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

s/q(72) ! Suspect value(s)

Sample.No 06 : Bulk of ind.no. 1-5. Uncertain age determination for some individuals
 Sample.No 12 : Bulk of ind.no. 7-11. Uncertain age determination on some individuals
 Sample.No 18 : Bulk of ind.no. 13-17. Uncertain age determinations
 Sample.No 24 : Bulk of ind.no. 19-23. Uncertain age determination on some individuals
 Sample.No 30 : Bulk of ind.no. 25-29. Uncertain age determination on some individuals

Species : **LEPI WHI**, *Lepidionchus whiff-igonis*, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **901101**, Count: 25, Sample type: **Bulked**.
 Comment : Caught 1001-1217. All but ind. nos. 1-3, 6, 10 and 25 sent frozen to NIVA for preparation. Ind. nos. 1-3, 6, 10 and 25 prepared fresh.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311
	0.010	0.150	0.050	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Fat	Cu	Pb	Zn	CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB209	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27
	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt
01/ 0 H 6 349 328	4.9	48.30	36.00	0.030	8.620	0.170	85.70	3.00	5.00	11.00	10.00	18.00	26.00	26.00	8.00	8.00	8.00	81.0	81.0	127.00
02/ 0 H 6 547 396	5.4	33.60	15.60	0.485	21.900	0.190	82.90	2.00	4.00	11.00	11.00	18.00	28.00	28.00	10.00	10.00	10.00	84.0	84.0	162.00
03/ 0 H 5 584 424	8.3	34.80	18.00	0.197	6.550	0.190	73.60	3.00	6.00	22.00	21.00	34.00	55.00	55.00	18.00	18.00	18.00	159.0	159.0	356.00
04/ 0 H 5 783 448	12.5	39.40	20.70	0.226	14.600	0.220	94.60	2.00	5.00	15.00	14.00	25.00	37.00	37.00	13.00	13.00	13.00	111.0	111.0	331.00
05/ 0 H 6 785 464	15.1	42.30	27.70	0.170	10.700	0.210	105.00	3.00	4.00	14.00	16.00	26.00	45.00	45.00	15.00	15.00	15.00	123.0	123.0	294.00
Mean 5.6 610 412	9.2	39.68	23.60	0.222	12.474	0.196	88.36	2.60	4.80	14.60	14.40	24.20	38.20	38.20	12.80	12.80	12.80	111.6	111.6	254.00
Minim. 5 349 328	4.9	33.60	15.60	0.030	6.550	0.170	73.60	2.00	4.00	11.00	10.00	18.00	26.00	26.00	8.00	8.00	8.00	81.0	81.0	127.00
Maxim. 6 785 464	15.1	48.30	36.00	0.485	21.900	0.220	105.00	3.00	6.00	22.00	21.00	34.00	55.00	55.00	18.00	18.00	18.00	159.0	159.0	356.00
St.dev 0.5 183 54	4.5	5.96	8.28	0.165	6.051	0.019	11.94	0.55	0.84	4.51	4.39	6.65	12.07	12.07	3.96	3.96	3.96	31.9	31.9	103.11
Count 5 5 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5) ! Missing value.

Tab.width cont'd LEPI WHI, LI, J62, 67B Strandebar, 921201.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	NIVA		Σ(*)		NIVA		NIVA		NIVA	
					F	M	ppb	w.wt	ppb	w.wt	ppb	w.wt	ppb	w.wt
01/0	X	6	289	342	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
02/0	X	6	410	375	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/0	X	6	584	418	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean	6.0	428	378		<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00
Minim.	6	289	342		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim.	6	584	418		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
St.dev	0.0	148	38		~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00
Count	3	3	3		3	3	3	3	3	3	3	3	3	3

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.5: internal organs not found (!)
 Sample.No 02 : Bulk of NIVA no.:6,7,8,9,10 No.8: only one otolith No.10:Skin with ulceration, Lymphocytic areas and/or lesions
 Sample.No 03 : Bulk of NIVA no.:11,12,13,14,15

Species : LEPI WHI, Lepidorhombus whiff-iajonis, GB: Megrin, N: Glassvar.
 Sample.area: J62 Hardangerfjorden, Tissue : MUSCLE.
 Locality : 67B Strandebar, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : 840200, Count: 19, Sample type: Individual.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	Dry %	Fat %	Hg ppm	W.Wt	FIER	
									401	0.010
01/0	F	250	320		22.80	.	0.190			
02/0	M	300	350		21.90	.	miss			
03/0	M	350	300		24.40	.	0.220			
04/0	F	400	400		21.50	.	0.550			
05/0	F	500	400		22.00	.	miss			
06/0	M	500	420		22.90	.	0.210			
07/0	M	600	450		22.40	.	0.530			
08/0	M	650	450		20.09	.	0.660			
09/0	F	700	450		21.90	.	0.390			
10/0	F	750	400		22.20	.	0.110			
11/0	X	750	400		17.09	.	0.620			
12/0	F	500	370		20.50	.	0.190			
13/0	M	500	400		23.30	.	0.250			
14/0	M	500	400		21.40	.	0.460			
15/0	M	550	400		21.60	.	0.160			
16/0	F	750	450		21.00	.	0.580			
17/0	F	800	450		22.20	.	0.250			
18/0	F	1150	500		20.90	.	0.600			
19/0	F	1100	500		21.90	.	0.470			
Mean	7.9	579	411		21.68	.	0.379			
Minim.	7	250	300		17.09	.	0.110			
Maxim.	9	1150	500		24.40	.	0.660			
St.dev	0.9	239	53		1.50	.	0.189			
Count	10	19	19		19	.	17			

miss(2) i Missing value.

Species : **LEPI WHI**, Lepidorhombus whiffiagonis, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **871125**, Count: 19, Sample type: **Homogenate**.

Analytical Lab. :	FIER		
Analysis Code. :	401		
Detection Limit :	0.010		
Samp/ Sex Age Wght Lngt	Dry	Fat	H g
Repl. F/M year g mm	%	%	ppm
no.			w.wt
01/ 0 X 6 509 398	21.20	.	0.350

Sample.No 01 :

MUSCLE : homogenate of 19 fish filets (part) : min.=30.7g, max.=73.3g 0324.70 g tissue used in analysis.

Species : **LEPI WHI**, Lepidorhombus whiffiagonis, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **881011**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :	NIVA		
Analysis Code. :	310		
Detection Limit :	0.010		
Samp/ Sex Age Wght Lngt	Dry	Fat	H g
Repl. F/M year g mm	%	%	ppm
no.			d.wt
01/ 0 X 7 569 405	22.20	0.20	1.480 <0.020

Sample.No 01 : Bulk of spec.no. 1-25

Species : LEPI WHI, Lepidorhombus whiffiagonis, GB: Megrim, N: Glassvar.
 Sample.area: J62 Hardangerfjorden, Tissue : MUSCLE.
 Locality : 67B Strandebarim, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : 891208, Count: 25, Sample type: Individual.

Analytical Lab. : NIVA		310					
Analysis Code. : 0.100		H g					
Detection Limit :		ppm					
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	H g
Repl.	F/M	year	g	mm	%	%	d.wt
no.							
01/ 0	M	7	404	340	23.99	.	0.500
02/ 0	M	6	415	345	23.43	.	0.300
03/ 0	F	2	472	380	22.62	.	1.900
04/ 0	F	4	427	385	21.56	.	1.100
05/ 0	F	4	369	385	19.38	.	5.800
07/ 0	M	5	480	390	20.61	.	0.700
08/ 0	F	2	480	390	21.05	.	1.200
09/ 0	M	3	546	395	22.65	.	1.300
10/ 0	F	4	489	400	21.30	.	0.800
11/ 0	F	2	510	400	22.20	.	0.500
13/ 0	F	5	540	405	21.08	.	0.900
14/ 0	F	6	553	405	21.12	.	1.100
15/ 0	M	4	652	410	21.25	.	1.900
16/ 0	F	5	437	410	21.51	.	3.500
17/ 0	F	3	381	415	17.51	.	3.100
19/ 0	M	3	562	420	22.62	.	1.200
20/ 0	F	3	530	420	20.91	.	1.700
21/ 0	F	6	729	440	22.14	.	1.300
22/ 0	M	7	489	445	20.45	.	2.600
23/ 0	F	4	618	450	22.41	.	2.200
25/ 0	F	4	776	460	24.35	.	0.600
26/ 0	F	7	1064	465	21.33	.	5.900
27/ 0	F	6	1003	470	22.60	.	0.900
28/ 0	F	7	911	470	26.55	.	0.400
29/ 0	F	7	1005	485	20.50	.	1.200
Mean		4.6	594	415	21.80	.	1.704
Minim.		2	369	340	17.51	.	0.300
Maxim.		7	1064	485	26.55	.	5.900
St.dev		1.7	205	38	1.74	.	1.492
Count		25	25	25	25	.	25

Sample.No 01 : seine 20m depth.
 MUSCLE : 0062,10 g tissue used in analysis.
 Sample.No 02 : seine 40m depth.
 MUSCLE : 0056,20 g tissue used in analysis.
 Sample.No 03 : seine 75m depth. Uncertain age determination
 MUSCLE : 0057,00 g tissue used in analysis.
 Sample.No 04 : seine 50m depth. Uncertain age determination
 MUSCLE : 0058,40 g tissue used in analysis.
 Sample.No 05 : seine 50m depth. Uncertain age determination
 MUSCLE : 0044,40 g tissue used in analysis.
 Sample.No 07 : seine 60m depth. Uncertain age determination
 MUSCLE : 0075,50 g tissue used in analysis.
 Sample.No 08 : seine 20m depth. Uncertain age determination
 MUSCLE : 0068,10 g tissue used in analysis.
 Sample.No 09 : seine 20m depth.
 MUSCLE : 0056,90 g tissue used in analysis.
 Sample.No 10 : seine 20m depth. Uncertain age determination
 MUSCLE : 0059,10 g tissue used in analysis.
 Sample.No 11 : seine 60m depth. Uncertain age determination
 MUSCLE : 0058,10 g tissue used in analysis.
 Sample.No 13 : seine 55m depth. Uncertain age determination
 MUSCLE : 0065,00 g tissue used in analysis.
 Sample.No 14 : seine 40m depth. Uncertain age determination
 MUSCLE : 0073,20 g tissue used in analysis.
 Sample.No 15 : seine 75m depth. Uncertain age determination
 MUSCLE : 0060,60 g tissue used in analysis.
 Sample.No 16 : Uncertain age determination
 MUSCLE : 0063,20 g tissue used in analysis.
 Sample.No 17 : seine 20m depth. Uncertain age determination
 MUSCLE : 0040,70 g tissue used in analysis.
 Sample.No 19 : seine 40m depth.
 MUSCLE : 0060,00 g tissue used in analysis.
 Sample.No 20 : seine 50m depth. Uncertain age determination
 MUSCLE : 0068,70 g tissue used in analysis.
 Sample.No 21 : seine 30m depth. Uncertain age determination
 MUSCLE : 0061,40 g tissue used in analysis.
 Sample.No 22 : seine 40m depth. Uncertain age determination
 MUSCLE : 0044,70 g tissue used in analysis.
 Sample.No 23 :
 MUSCLE : 0079,10 g tissue used in analysis.
 Sample.No 25 : Uncertain age determination
 MUSCLE : 0065,00 g tissue used in analysis.
 Sample.No 26 : seine 30m depth. Uncertain age determination
 MUSCLE : 0062,20 g tissue used in analysis.
 Sample.No 27 : seine 80m depth. Uncertain age determination
 MUSCLE : 0097,00 g tissue used in analysis.
 Sample.No 28 : seine 80m depth.
 MUSCLE : 0073,80 g tissue used in analysis.
 Sample.No 29 : seine 50m depth. Uncertain age determination
 MUSCLE : 0076,60 g tissue used in analysis.

Species : **LEPI WHI**, *Lepidochorbus whiff-iaegonis*, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **891208**, Count: 25, Sample type: **Bulked**.

Analytical Lab. :		NACE					
Analysis Code. :		511					
Detection Limit :		0.020					
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	PCB
Repl.	F/M	year	g	mm	%	%	ppm
		w.wt				w.wt	
06/	0	H	5	417	367	0.31	0.040
12/	0	H	3	501	395	0.20	<0.020
18/	0	H	5	513	409	0.28	<0.020
24/	0	H	5	586	435	0.22	<0.020
30/	0	X	6	952	470	0.26	<0.020
Mean	4.8	594	415	21.81	0.25	<<.024	
Minim.	3	417	367	20.49	0.20	<0.020	
Maxim.	6	952	470	23.07	0.31	0.040	
St.dev	1.1	209	39	0.94	0.04	0.009	
Count	5	5	5	5	5	5	5

Sample.No 06 : Bulk of ind.no. 1-5. Uncertain age determination for some individuals
 Sample.No 12 : Bulk of ind.no. 7-11. Uncertain age determination on some individuals
 Sample.No 18 : Bulk of ind.no. 13-17. Uncertain age determinations
 Sample.No 24 : Bulk of ind.no. 19-23. Uncertain age determination on some individuals
 Sample.No 30 : Bulk of ind.no. 25-29. Uncertain age determination on some individuals

Species : **LEPI WHI**, *Lepidochorbus whiff-iaegonis*, GB: Megrin, N: Glassvar.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **MUSCLE**.
 Locality : **67B Strandebar**, Latitude: 60°16.00N, Longitude: 06°02.00E.
 Catch,date : **901101**, Count: 25, Sample type: **Bulked**.
 Comment : Caught 1001-1217. All but ind. nos. 1-3, 6, 10 and 25 sent frozen to NIVA for preparation. Ind. nos. 1-3, 6, 10 and 25 prepared fresh.

Analytical Lab. :		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
Analysis Code. :		310	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
Detection Limit :		0.010	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	Hg	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD
Repl.	F/M	year	g	mm	%	%	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		w.wt				w.wt		w.wt		w.wt		w.wt		w.wt		w.wt	
01/	0	H	6	349	328	0.40	0.210	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
02/	0	H	6	547	396	0.40	0.560	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/	0	H	5	584	424	0.40	0.520	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
04/	0	H	5	783	448	0.40	0.510	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
05/	0	H	6	785	464	0.40	0.680	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	5.6	610	412	20.14	0.40	0.496	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05
Minim.	5	349	328	19.50	0.40	0.210	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maxim.	6	785	464	21.20	0.40	0.680	0.11	0.25	0.24	0.37	0.56	0.18	0.14	0.18	0.18	0.18	0.18
St.dev	0.5	183	54	0.63	0.00	0.174	0.07	0.07	0.06	0.09	0.14	0.03	0.14	0.03	0.03	0.03	0.03
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5) ! Missing value.

Sample.No 01 : NIVA no. 02,05,03,22,18.
 MUSCLE : Muscle with signs of inner bleeding in specimen no. 18.
 Sample.No 02 : NIVA no. 04,08,14,23,09.
 Sample.No 03 : NIVA no. 12,20,01,15,24.
 Sample.No 04 : NIVA no. 10,11,17,21,25.
 MUSCLE : Muscle with signs of inner bleeding in specimen no. 10.
 Sample.No 05 : NIVA no. 13,07,16,19,06.

Species : **LIMA LIM**, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36F Færder area**, Latitude: 59°04.00N, Longitude: 10°23.00E.
 Catch, date : **901101**, Count: 25, Sample type: **Bulked**.
 Comment : Caught "November-december", sent frozen to NIVA for prep..

Anal. Lab.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA			
Code	312	311	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	Σ(*)	Σ(*)	Σ(*)	Σ(*)		
Detection Limit	0.010		0.150		0.050		3.00		1.00		1.00		1.00		1.00		2.00		1.00		1.00			
Sex Age Wght Lrgt	Fat		Cu		Pb		Zn		Cb101		Cb118		Cb138		Cb153		Cb180		Cb209		Cb277		Cb278	
Repl. F/M year	%		ppm		ppm		ppm		ppb		ppb		ppb		ppb		ppb		ppb		ppb		ppb	
g mm	g		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt		w.wt	
01/ 0 H 3 112 218	0.9	42.40	0.098	13.400	0.360	80.60	4.00	3.25	9.25	6.00	13.00	9.00	11.00	16.00	17.00	17.00	17.00	16.00	10.75	332.0	321.0	321.0	332.0	
02/ 0 H 3 150 240	2.5	48.50	0.063	11.600	1.090	32.60	3.00	3.00	6.00	52.00	60.00	92.00	10.00	11.00	127.00	127.00	132.00	16.00	9.00	29.00	29.00	29.00	29.00	
03/ 0 H 3 172 252	2.6	43.40	0.106	11.600	0.280	39.30	3.00	4.00	9.00	44.00	57.00	76.00	10.00	13.00	127.00	127.00	132.00	17.00	27.00	27.00	27.00	27.00	27.00	
04/ 0 H 3 263 280	3.8	38.30	0.138	18.200	0.600	49.50	3.00	3.00	13.00	60.00	60.00	97.00	17.00	17.00	144.00	144.00	144.00	17.00	13.00	43.00	43.00	43.00	43.00	
05/ 0 H 4 311 296	6.7	45.10	0.106	15.200	1.060	37.90	3.00	0.50	2.87	6.99	11.79	97.00	17.00	17.00	144.00	144.00	144.00	17.00	13.00	43.00	43.00	43.00	43.00	
Mean	3.3	43.54	0.102	14.000	0.678	47.98	3.25	3.25	9.25	53.25	60.00	84.50	16.00	16.00	127.50	127.50	127.50	16.00	10.75	31.50	31.50	31.50	31.50	
Minim.	0.9	38.30	0.063	11.600	0.280	32.60	3.00	3.00	6.00	44.00	52.00	73.00	14.00	14.00	107.00	107.00	107.00	14.00	9.00	27.00	27.00	27.00	27.00	
Maxim.	6.7	48.50	0.138	18.200	1.090	80.60	4.00	4.00	13.00	60.00	60.00	97.00	17.00	17.00	144.00	144.00	144.00	17.00	13.00	43.00	43.00	43.00	43.00	
St.dev	2.2	3.74	5.02	0.027	2.782	0.381	19.23	0.50	2.87	6.99	11.79	11.79	1.41	1.41	15.42	15.42	15.42	1.41	1.71	35.6	35.6	35.6	35.6	
Count	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

miss(4) ! Missing value.

Tab.width cont'd **LIMA LIM, LI, J26, 36F Færder area, 901101.**

Anal. Lab.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
Code	Σ(*)	340	340	340	615	340	340	340	340	340	340	615
Detection Limit	1.00		2.00		0.040		0.040		0.040		0.040	
Sex Age Wght Lrgt	HCB		OCB		OCB		EPOCI		HCB		OCB	
Repl. F/M year	ppb		ppb		ppb		ppm		ppb		ppm	
g mm	w.wt		w.wt		w.wt		w.wt		w.wt		w.wt	
01/ 0 H 3 112 218	26.00	6.00	6.00	6.00	3.00	12.800	3.710	3.710	3.00	3.00	3.00	3.710
02/ 0 H 3 150 240	23.00	5.00	5.00	5.00	3.810	3.810	3.710	3.710	3.00	3.00	3.00	3.710
03/ 0 H 3 172 252	19.00	5.00	5.00	5.00	4.290	4.290	3.710	3.710	3.00	3.00	3.00	3.710
04/ 0 H 3 263 280	26.00	6.00	6.00	6.00	6.153	6.153	3.710	3.710	3.00	3.00	3.00	3.710
05/ 0 H 4 311 296	23.50	5.50	5.50	5.50	6.153	6.153	3.710	3.710	3.00	3.00	3.00	3.710
Mean	3.2	202	257	19.00	5.00	5.00	5.00	5.00	6.00	6.00	6.00	12.800
Minim.	3	112	218	19.00	5.00	5.00	5.00	5.00	6.00	6.00	6.00	12.800
Maxim.	4	311	296	26.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	12.800
St.dev	0.4	83	31	3.32	0.58	0.58	0.50	0.50	0.58	0.58	0.58	4.439
Count	5	5	5	4	4	4	4	4	4	4	4	4

Sample.No 01 : NIVA no. 25,24,23,22,20.
 LIVER : Specimen no. 20 liver with necrotic cysts or tumours. Insufficient material for organic analyses and hence no fat wt. determinations were done.
 Sample.No 02 : NIVA no. 19, 18, 15, 14, 13.
 Sample.No 03 : NIVA no. 21, 17, 16, 04, 12.
 Sample.No 04 : NIVA no. 11, 08, 07, 05, 02.
 Sample.No 05 : NIVA no. 10, 09, 03, 01, 06. Specimen no. 06 skin with metacercariae of cf. Cryptocotyle lingua ?

Species : **LIMA LIM**, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36F Fårder area**, Latitude: 59°04.00N, Longitude: 10°23.00E.
 Catch,date : **911201**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age wght Lrgt Repl. F/M year g mm no.	Mean g	Dry %	Fat %	Cd		Cu		Pb		Zn		NIVA	CB28		CB52		CB101		CB105		CB118		CB138		CB153		CB156		CB180		CB209		Σ(*) ppb W.WT	NIVA W.WT	Σ(*) ppb W.WT	NIVA W.WT	Σ(*) ppb W.WT					
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						ppm	ppm	ppm	ppm	ppm
01/ 0 X	133	224			0.059	3.480	0.070	22.30				312	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
02/ 0 X	224	268			0.059	3.480	0.070	22.30				312	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
03/ 0 X	300	292			0.080	9.500	0.090	26.60				0.010	0.050	0.050	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
04/ 0 X	376	320			0.112	4.130	0.060	27.40				0.010	0.050	0.050	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
05/ 0 X	427	342			0.115	13.300	0.040	34.00				0.010	0.050	0.050	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean	292	289			0.097	7.140	0.066	27.06				11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Minim.	133	224			0.059	3.480	0.040	22.30				11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Maxim.	427	342			0.121	13.300	0.090	34.00				11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
St.dev	118	46			1.90	4.165	0.018	4.34				1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	
Count	5	5			5	5	5	5				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

miss(1) ! Missing value.

Tab.width cont'd **LIMA LIM, LI, J26, 36F Fårder area, 911201**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age wght Lrgt Repl. F/M year g mm no.	NIVA	Σ(*)	HCHA		HCHG		HC		Σ2		HCB		QCB		OCS		EPOCL		
			ppb	W.WT	ppb	W.WT	ppb	W.WT	ppb	W.WT	ppb	W.WT	ppb	W.WT	ppb	W.WT	ppb	W.WT	
01/ 0 X	133	224																	miss
02/ 0 X	224	268																	6.380
03/ 0 X	300	292																	4.570
04/ 0 X	376	320																	2.010
05/ 0 X	427	342																	1.500
Mean	292	289																	3.615
Minim.	133	224																	1.500
Maxim.	427	342																	6.380
St.dev	118	46																	2.281
Count	5	5																	4

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10
 Sample.No 03 : Bulk of NIVA nos.:11,12,13,14,15
 Sample.No 04 : Bulk of NIVA nos.:16,17,18,19,20
 Sample.No 05 : Bulk of NIVA nos.:21,22,23,24,25

Species : **LIMA LIM**, *Limanda limanda*, GB: Dab, N: Sandfjlyndre.
 Sample area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **36F Farder area**, Latitude: 59°04.00N, Longitude: 10°23.00E.
 Catch, date : **921215**, Count: **25**, Sample type: **Bulked**.
 Comment : Station name : **Farder area**

Analytical Lab. : Analysis Code. : Detection Limit : Sample/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		Σ(*)		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		
	312	311	311	312	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
Mean	0.010	0.010	0.050	0.050	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Weight g	3.3	35.40	19.90	0.150	9.790	0.150	0.242	8.824	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042	33.24	0.042
01/ 0 X 5 202 265	3.1	36.60	20.80	0.200	6.010	0.200	6.010	0.150	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030	25.80	0.030
02/ 0 M 5 246 283	4.5	33.30	18.30	0.230	8.330	0.230	8.330	0.150	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060	43.70	0.060
03/ 0 X 5 301 300	6.7	31.90	16.60	0.290	8.490	0.290	8.490	0.150	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040	32.20	0.040
04/ 0 X 4 340 313	8.9	34.10	17.50	0.340	11.500	0.340	11.500	0.040	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70	43.70
05/ 0 X 6 414 346	5.3	34.26	18.62	0.242	8.824	0.242	8.824	0.042	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24	33.24
Mean	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301	5.0	301	301
Minim.	4	202	265	4	202	265	4	202	265	4	202	265	4	202	265	4	202	265	4	202	265	4	202	265	4	202	265
Maxim.	6	414	346	6	414	346	6	414	346	6	414	346	6	414	346	6	414	346	6	414	346	6	414	346	6	414	346
St.dev	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31	0.7	82	31
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Tab.width cont'd **LIMA LIM, LI, J26, 36F Farder area, 921215.**

Analytical Lab. : Analysis Code. : Detection Limit : Sample/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
Mean	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
01/ 0 X 5 202 265	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
02/ 0 M 5 246 283	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
03/ 0 X 5 301 300	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
04/ 0 X 4 340 313	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
05/ 0 X 6 414 346	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Mean	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	
Minim.	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Maxim.	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
St.dev	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.2: Skin with metacercariae of cf. Cryptocotyle lingua and Liver and/or intestinal guts with larvae of Anisakis simplex

No.1: Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10 No.8: Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 03 : Bulk of NIVA nos.:11,12,13,14,15

Sample.No 04 : Bulk of NIVA nos.:16,17,18,19,20 No.16: Skin with metacercariae of cf. Cryptocotyle lingua

Sample.No 05 : Bulk of NIVA nos.:21,22,23,24,25

Species : LIMA LIM, Limerda limerda, GB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 77B Borøy area, Latitude: 58°53.00N, Longitude: 09°01.00E.
 Catch,date : 911101, Count: 15, Sample type: Bulked.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	Mean	Fat %		Cu ppm		Cd ppm		Zn ppm		CB28		CB101		CB105		CB118		CB138		CB153		CB156		CB180		CB209		CB 27		CB 27		Σ(*)		Σ(*)		
		g	g	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	
01/ 0 X	194	254	7.80	0.132	3.910	0.160	25.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
02/ 0 X	261	290	8.80	0.251	8.350	0.250	36.20	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
03/ 0 X	396	330	12.80	0.181	2.960	0.270	39.40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Mean	284	291	9.80	0.188	5.073	0.220	33.70	1.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Minim.	194	254	7.80	0.132	2.960	0.160	25.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Maxim.	396	330	12.80	0.251	8.350	0.270	39.40	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St.dev	103	38	1.97	2.65	2.877	0.056	7.28	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58	0.00	0.58
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Tab.width cont'd LIMA LIM, LI, J99, 77B Borøy area, 911101.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	Mean	Fat %		Cu ppm		Cd ppm		Zn ppm		OCB		OCS		EPOCL	
		g	g	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt
01/ 0 X	194	254	1.00	2.00	<2.00	1.00	<1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.340
02/ 0 X	261	290	2.00	<3.00	1.00	<1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.850
03/ 0 X	396	330	2.00	<3.00	2.00	<1.00	2.00	<1.00	2.00	<1.00	2.00	<1.00	2.00	0.270	
Mean	284	291	1.67	<2.67	1.33	<1.00	1.67	0.487	1.00	<1.00	1.00	0.270	1.00	0.850	
Minim.	194	254	1.00	<2.00	1.00	<1.00	1.00	0.270	1.00	<1.00	1.00	0.270	1.00	0.850	
Maxim.	396	330	2.00	<3.00	2.00	<1.00	2.00	0.850	1.00	<1.00	2.00	0.850	2.00	0.850	
St.dev	103	38	0.58	0.58	0.58	0.58	0.58	0.317	0.58	0.58	0.58	0.58	0.58	0.317	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10
 Sample.No 03 : Bulk of NIVA nos.:13,14,15,16,17

Species : LIMA LIM, Limerda limerda, GB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 15B Ullevø area, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : 911025, Count: 16, Sample type: Bulked.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	Mean	Fat %		Cu ppm		Cd ppm		Zn ppm		CB28		CB101		CB105		CB118		CB138		CB153		CB156		CB180		CB209		CB 27		CB 27		Σ(*)		Σ(*)	
		g	g	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	
01/ 0 X	257	290	21.30	miss	2.500	0.070	23.70	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
02/ 0 X	303	307	44.80	24.50	4.270	0.080	26.60	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
03/ 0 X	460	356	37.80	22.60	2.770	0.070	25.00	3.00	3.00	5.00	5.00	7.00	7.00	22.00	22.00	22.00	22.00	42.00	42.00	62.00	62.00	2.00	2.00	10.00	10.00	2.00	2.00	157.0	157.0	168.0	168.0	168.0	168.0		
Mean	340	318	40.93	22.80	3.180	0.073	25.10	2.33	3.67	3.67	3.67	6.33	6.33	17.67	17.67	17.67	35.33	35.33	54.00	54.00	2.33	2.33	9.67	9.67	2.33	2.33	133.7	133.7	144.7	144.7	144.7	144.7			
Minim.	257	290	37.80	21.30	2.500	0.070	23.70	2.00	3.00	3.00	3.00	6.00	6.00	15.00	15.00	15.00	31.00	31.00	47.00	47.00	2.33	2.33	9.00	9.00	2.00	2.00	120.0	120.0	131.0	131.0	131.0	131.0			
Maxim.	460	356	44.80	24.50	4.270	0.080	26.60	3.00	3.00	5.00	5.00	7.00	7.00	22.00	22.00	22.00	42.00	42.00	62.00	62.00	3.00	3.00	10.00	10.00	3.00	3.00	157.0	157.0	168.0	168.0	168.0	168.0			
St.dev	0.6	106	3.56	1.61	0.954	0.006	1.45	0.58	1.15	1.15	0.58	1.73	1.73	3.79	3.79	3.79	5.86	5.86	7.55	7.55	0.58	0.58	0.58	0.58	0.58	0.58	20.3	20.3	20.3	20.3	20.3	20.3			
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

miss(3) ! Missing value.

Tab.width cont'd LIMA LIM, LI, J99, 15B Ullerø area, 911025.

Anal. Lab. :	NIVA	NIVA	Σ(*)	NIVA	NIVA	NIVA	NIVA
Analysis Code. :	340	340	!	340	340	340	615
Detection Limit :	1.00	1.00	!	1.00	2.00	0.040	
Samp/ Sex Age Wght Lrgt	HCHA	HCHG	HC	Σ2	HCB	QCB	OCS
Repl. F/M year g mm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 2 257 290	<2.00	3.00	<5.00	4.00	<2.00	2.00	335.700
02/ 0 X 2 303 307	<2.00	3.00	<5.00	4.00	<2.00	2.00	287.630
03/ 0 X 3 460 356	<2.00	3.00	<5.00	5.00	<2.00	3.00	265.080
Mean	<2.00	3.00	<5.00	4.33	<2.00	2.33	296.137
Minim.	<2.00	3.00	<5.00	4.00	<2.00	2.00	265.080
Maxim.	<2.00	3.00	<5.00	5.00	<2.00	3.00	335.700
St.dev	0.6	106	34	0.58	0.00	0.58	36.070
Count	3	3	3	3	3	3	3

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10,11
 Sample.No 03 : Bulk of NIVA nos.:12,13,14,15,16

Species : LIMA LIM, Linanda limanda, GB: Dab, N: Sandflynndre.
 Sample.area: J99 Undefined, Tissue: LIVER.
 Locality : 22F Børøfjorden, Latitude: 59°43.00N, Longitude: 05°21.00E.
 Catch,date : 901021, Count: 25, Sample type: Bulked.
 Comment : Caught 1021-1027. Three larger fish prepared but not analyzed.

Anal. Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	
Analysis Code. :	312	311	312	311	311	340	340	340	340	340	340	340	340	340	340	340	340	340	
Detection Limit :	0.010	0.150	0.050	3.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Samp/ Sex Age Wght Lrgt	Cd	Cu	Pb	Zn	Zn	CB28	CB52	CB101	CB118	CB138	CB153	CB180	CB209	CB_Σ7	CB_ΣΣ	DOEPP	DO_Σ4	HCHA	HCHG
Repl. F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no.	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 H 3 60 210	0.157	13.800	0.720	41.30	41.30	1.00	2.00	6.00	12.00	21.00	32.00	9.00	1.00	83.0	84.0	33.00	35.00	7.00	4.00
02/ 0 H 3 135 242	1.8	30.90	11.70	0.140	10.200	0.340	4.00	12.00	22.00	40.00	62.00	18.00	2.00	160.0	162.0	54.00	54.00	17.00	8.00
03/ 0 H 3 155 266	3.2	42.70	26.70	0.079	8.740	0.200	2.00	11.00	28.00	47.00	69.00	21.00	2.00	181.0	183.0	89.00	89.00	20.00	6.00
04/ 0 H 4 205 290	4.0	38.00	21.70	0.095	9.490	0.250	4.00	22.00	36.00	61.00	84.00	24.00	2.00	238.0	240.0	88.00	88.00	22.00	9.00
05/ 0 H 3 281 314	6.3	42.90	31.10	0.095	9.830	0.180	7.00	22.00	36.00	61.00	84.00	24.00	2.00	238.0	240.0	88.00	88.00	22.00	9.00
Mean	3.3	36.26	22.80	0.113	10.412	0.338	4.00	12.75	24.50	42.25	61.75	18.00	1.75	165.5	167.3	66.00	66.00	16.50	6.75
Minim.	1.2	26.80	11.70	0.079	8.740	0.180	2.00	6.00	12.00	21.00	32.00	9.00	1.00	83.0	84.0	33.00	33.00	7.00	4.00
Maxim.	6.3	42.90	31.10	0.157	13.800	0.200	7.00	22.00	36.00	61.00	84.00	24.00	2.00	238.0	240.0	89.00	89.00	22.00	9.00
St.dev	2.0	7.19	8.34	0.034	1.969	0.222	1.26	6.70	10.12	16.64	21.85	6.48	0.50	64.1	64.5	27.36	27.36	6.66	2.22
Count	5	5	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4

miss(4) : Missing value.

Tab.width cont'd LIMA LIM, LI, J99, 22F Børøyfjorden, 901021.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	Σ(*)	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
		HC Σ2	OCB	OCB	OCB	OCB	OCB	OCB	OCB	OCB	OCB	OCB	OCB
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 H 3 60 210													
02/ 0 H 3 135 242	11.00	4.00	2.00	<1.00	0.710								
03/ 0 H 3 155 266	25.00	6.00	<2.00	<2.00	1.360								
04/ 0 H 4 205 290	26.00	6.00	<2.00	<2.00	0.770								
05/ 0 H 3 281 314	31.00	9.00	3.00	<2.00	5.600								
Mean	3.2	167	264										
Minim.	3	60	210										
Maxim.	4	281	314										
St.dev	0.4	82	41										
Count	5	5	5										

Sample.No 01 : NIVA no.15, 18, 22, 21, 09. ALL specimens except no. 09 liver/guts with Anasakis larvae.
 LIVER : ALL specimens except no. 09 liver/guts with Anasakis larvae. Insufficient material for organic analyses and hence, no fat wt. determinations.
 Sample.No 02 : NIVA no.19, 16, 17, 28, 04. ALL specimens except no. 19 liver/guts with Anasakis larvae.
 LIVER : ALL specimens except no. 19 liver/guts with Anasakis larvae.
 Sample.No 03 : NIVA no.05, 11, 06, 07, 12. ALL specimens except no. 05 liver/guts with Anasakis larvae. Specimen no. 06 liver with necrotic cysts or tumours.
 LIVER : ALL specimens except no. 05 liver/guts with Anasakis larvae. Specimen no. 06 liver with necrotic cysts or tumours.
 Sample.No 04 : NIVA no.20, 27, 03, 13, 14. ALL specimens except nos.03 and 14 liver/guts with Anasakis larvae. Specimen nos. 13 and 14 lesions on jaw, fin or tissue.
 LIVER : ALL specimens except nos. 03 and 14 liver/guts with Anasakis larvae.
 Sample.No 05 : NIVA no.01, 02, 26, 24, 25. ALL specimens except no 02 liver/guts with Anasakis larvae.
 LIVER : ALL specimens except no. 02 liver/guts with Anasakis larvae.

Species : LIMA LIM, Limerda Limerda, CB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 22F Børøyfjorden, Latitude: 59°43.00N, Longitude: 05°21.00E.
 Catch,date : 910901, Count: 25, Sample type: Bulked.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	Σ(*)	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
		CB 28	CB 52	CB 101	CB 105	CB 118	CB 138	CB 153	CB 156	CB 180	CB 209	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27	CB 27
	miss	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 102 212	1.3																								
02/ 0 X 189 248	2.9	36.60	22.00	0.091	7.130	0.160	29.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
03/ 0 X 268 278	5.1	40.90	26.20	0.054	3.760	0.140	26.30	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
04/ 0 X 352 300	7.0	32.80	20.60	0.069	3.420	0.090	20.40	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
05/ 0 X 626 362	14.1	33.80	18.30	0.209	6.660	0.920	43.40	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Mean	6.1	36.03	21.78	0.107	5.552	0.312	30.72	2.25	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Minim.	1.3	32.80	18.30	0.054	3.420	0.090	20.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Maxim.	14.1	40.90	26.20	0.209	7.130	0.920	43.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
St.dev	5.0	3.63	3.32	0.061	1.803	0.345	8.72	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Count	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

miss(17) ! Missing value.

Tab.width cont'd LIMA LIM, LI, J99, 22F Børøyfjorden, 921215.

Analytical Lab. :	NIVA	NIVA	Σ(*)	NIVA	NIVA	NIVA
Analysis Code. :	340	340	!	340	340	340
Detection Limit :	5.00	5.00	!	5.00	5.00	5.00
Sampl/ Sex Age Wght Lngt	HCHA	HCHG	HC	Σ2	HCB	OCB
Repl. F/M year g mm	ppb	ppb	ppb	ppb	ppb	ppb
	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt
01/ 0 X 5 302 290	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
02/ 0 X 4 353 317	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/ 0 X 6 485 335	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
04/ 0 F 7 739 380	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean	5.5	4.70	3.31	<5.00	<5.00	<5.00
Minim.	4	302	290	<5.00	<5.00	<5.00
Maxim.	7	739	380	<5.00	<5.00	<5.00
St.dev	1.3	195	38	~0.00	~0.00	~0.00
Count	4	4	4	4	4	4

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.1:Liver and/or intestinal guts with larvae of Anisakis sj No.3: Gills with Lemaecera copepods and skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10 Nos.6,8,9&10: Liver and/or intestinal guts with larvae of Anisakis simplex No.8: Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 03 : Bulk of NIVA nos.:11,12,13,14 Nos 12&14: Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 04 : Bulk of NIVA nos.:15,16,17,18 Nos 15 & 17: Liver and/or intestinal guts with larvae of Anisakis simplex Nos 16&18:Skin with metacercariae of cf. Cryptocotyle lingua and Muscle with signs of inner bleeding

Species : LIMA LIM, Limanda limanda, GB: Deb, N: Sandflyndre.
 Sample.area: J26 Oslofjorden, Tissue : MUSCLE.
 Locality : 36F Fårder area, Latitude: 59°04.00N, Longitude: 10°23.00E.
 Catch,date : 901101, Count: 25, Sample type: Bulked.
 Comment : Caught 'November-december', sent frozen to NIVA for prep..

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA
Analysis Code. :	310	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
Detection Limit :	0.010	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Sampl/ Sex Age Wght Lngt	Fat	Hg	DD	Σ2	CB	Σ7	CB	Σ209	CB	Σ180	CB	Σ153	CB	Σ138	CB	Σ118	CB	Σ101	CB
Repl. F/M year g mm	%	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt	W.Wt
01/ 0 H 3 112 218	22.10	0.70	0.040	0.07	0.08	0.15	0.49	0.63	0.83	0.83	0.83	0.83	0.83	0.63	0.49	0.63	0.49	0.15	0.08
02/ 0 H 3 150 240	21.90	1.00	0.050	0.31	0.36	2.08	9.68	14.08	18.56	2.08	2.08	18.56	18.56	14.08	2.34	9.68	2.34	2.08	0.50
03/ 0 H 3 172 252	22.00	0.60	0.070	0.05	<0.05	0.08	0.57	0.79	1.22	0.13	0.13	1.22	1.22	0.63	0.45	0.63	0.45	0.08	0.08
04/ 0 H 3 263 280	21.30	0.60	0.080	0.05	0.05	0.11	0.53	0.78	1.13	0.11	0.11	1.13	1.13	0.58	4.10	0.88	4.10	0.88	0.88
05/ 0 H 4 311 296	20.90	0.70	0.120	<0.05	<0.05	0.08	0.45	0.68	0.99	0.09	0.09	0.99	0.99	0.68	4.10	5.98	4.10	0.88	0.88
Mean	21.64	0.72	0.072	<0.11	<0.12	0.50	2.34	3.39	4.55	0.54	0.54	4.55	4.55	3.39	2.34	9.68	2.34	2.08	0.50
Minim.	20.90	0.60	0.040	<0.05	<0.05	0.08	0.45	0.63	0.83	0.08	0.08	0.83	0.83	0.63	0.45	0.63	0.45	0.08	0.08
Maxim.	22.10	1.00	0.120	0.31	0.36	2.08	9.68	14.08	18.56	2.08	2.08	18.56	18.56	14.08	4.10	5.98	4.10	0.88	0.88
St.dev	0.4	0.83	0.051	0.11	~0.14	0.88	4.10	5.98	7.84	0.97	0.97	7.84	7.84	5.98	4.10	5.98	4.10	0.88	0.88
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

! Missing value.
 Sample.No 01 : NIVA no. 25,24,23,22,20.
 Sample.No 02 : NIVA no. 19,18,15,14,13.
 Sample.No 03 : NIVA no. 21,17,16,04,12.
 Sample.No 04 : NIVA no. 11,08,07,05,02.
 Sample.No 05 : NIVA no. 10,09,03,01,06. Specimen no. 06 skin with metacercariae of cf. Cryptocotyle lingua ?

Species : LIMA LIM, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: J26 Oslofjorden, Tissue : MUSCLE -
 Locality : 36F Fårder area, Latitude: 59°04.00N, Longitude: 10°23.00E.
 Catch,date : 911201, Count: 25, Sample type: Bulked.

. Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA 341 0.100 Hg ppm w.wt	NIVA 341 0.05 CB28 ppb w.wt	NIVA 341 0.05 CB52 ppb w.wt	NIVA 341 0.05 CB101 ppb w.wt	NIVA 341 0.05 CB105 ppb w.wt	NIVA 341 0.05 CB118 ppb w.wt	NIVA 341 0.05 CB138 ppb w.wt	NIVA 341 0.05 CB153 ppb w.wt	NIVA 341 0.05 CB156 ppb w.wt	NIVA 341 0.05 CB180 ppb w.wt	NIVA 341 0.05 CB209 ppb w.wt	Σ(*) ! ! CB ΣΣ ppb w.wt	NIVA 341 0.05 DOEPP ppb w.wt	NIVA 341 0.05 IDKPP ppb w.wt	NIVA 341 0.05 DD ΣA ppb w.wt	NIVA 341 0.05 HCHA ppb w.wt	NIVA 341 0.05 HCHG ppb w.wt	Σ(*) ! ! HC Σ2 ppb w.wt	NIVA 341 0.05 HC Σ2 ppb w.wt	NIVA 341 0.05 HCB ppb w.wt
Mean	292	289	292	289	292	289	292	289	292	289	292	289	292	289	292	289	292	289	292	289
Minim.	133	224	133	224	133	224	133	224	133	224	133	224	133	224	133	224	133	224	133	224
Maxim.	427	342	427	342	427	342	427	342	427	342	427	342	427	342	427	342	427	342	427	342
St.dev	118	46	118	46	118	46	118	46	118	46	118	46	118	46	118	46	118	46	118	46
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Tab.width cont'd LIMA LIM, MU, J26, 36F Fårder area, 911201.

. Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA 341 0.05 QCB ppb w.wt	NIVA 341 0.05 OCS ppb w.wt	NIVA 341 0.05 OCS ppb w.wt
Mean	292	289	292
Minim.	133	224	133
Maxim.	427	342	427
St.dev	118	46	118
Count	5	5	5

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5
 MUSCLE : 0063,10 g tissue used in analysis.
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10
 MUSCLE : 0097,80 g tissue used in analysis.
 Sample.No 03 : Bulk of NIVA nos.:11,12,13,14,15
 MUSCLE : 0121,80 g tissue used in analysis.
 Sample.No 04 : Bulk of NIVA nos.:16,17,18,19,20
 MUSCLE : 0154,60 g tissue used in analysis.
 Sample.No 05 : Bulk of NIVA nos.:21,22,23,24,25
 MUSCLE : 0177,70 g tissue used in analysis.

Species : **LIMA LIM**, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area : **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **22F Børøfjorden**, Latitude: 59°43.00N, Longitude: 05°21.00E.
 Catch,date : **901021**, Count: **5**, Sample type: **Bulked**.
 Comment : Caught 1021-1027. Three larger fish prepared but not analyzed.

Analytical Lab. :	Analysis Code. :	Detection Limit :	Samp/ Sex Age Wght Lrgt	Repl. F/M year g mm	Dry %	Fat %	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA				
							310	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
							0.010	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
							Hg	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb			
							ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
							W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT			
01/ 0	H	3	60	210	22.90	0.60	0.070	0.05	0.11	0.40	0.66	1.06	0.29	0.06	2.6	2.7	1.16	1.16	miss	miss	0.21	0.25	0.46	0.12	<0.05
02/ 0	H	3	135	242	22.90	0.60	0.100	0.05	0.14	0.28	0.44	0.65	0.17	<0.05	1.8	<1.8	0.92	0.92	miss	miss	0.23	0.26	0.49	0.14	<0.05
03/ 0	H	3	155	266	22.60	0.60	0.130	<0.05	0.06	0.12	0.39	0.59	0.15	<0.05	<1.6	<1.6	0.84	0.84	miss	miss	0.21	0.25	0.46	0.12	<0.05
04/ 0	H	4	205	290	22.00	0.60	0.160	<0.05	0.05	0.15	0.50	0.70	0.19	<0.05	<2.0	<2.0	1.10	1.10	miss	miss	0.19	0.21	0.40	0.11	<0.05
05/ 0	H	3	281	314	21.80	0.90	0.190	<0.05	0.10	0.33	0.90	1.23	0.35	<0.05	<3.5	<3.5	1.65	1.65	miss	miss	0.28	0.35	0.63	0.18	<0.05
Mean		3.2	167	264	22.44	0.66	0.130	<0.05	0.06	0.17	0.58	0.85	0.23	<0.05	<2.3	<2.3	1.13	1.13			0.22	0.26	0.49	0.13	<0.05
Minim.		3	60	210	21.80	0.60	0.070	<0.05	0.05	0.11	0.39	0.59	0.15	<0.05	<1.6	<1.6	0.84	0.84			0.19	0.21	0.40	0.11	<0.05
Maxim.		4	281	314	22.90	0.90	0.190	0.05	0.10	0.33	0.90	1.23	0.35	0.06	<3.5	<3.5	1.65	1.65			0.28	0.35	0.63	0.18	<0.05
St.dev		0.4	82	41	0.51	0.13	0.047	0.00	0.02	0.09	0.13	0.28	0.09	0.00	0.8	0.8	0.32	0.32			0.03	0.05	0.09	0.03	0.00
Count		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5)
 ! Missing value.
 Sample.No 01 : NIVA no.15,18,22,21,09. All specimens except no. 09 liver/guts with Anasakis larvae.
 Sample.No 02 : NIVA no.19,16,17,28,04. All specimens except no. 19 liver/guts with Anasakis larvae.
 Sample.No 03 : NIVA no.05,11,06,07,12. All specimens except no. 05 liver/guts with Anasakis larvae.
 Sample.No 04 : NIVA no.20,27,05,13,14. All specimens except nos.03 and 14 liver/guts with Anasakis larvae. Specimen no. 06 liver with necrotic cysts or tumours.
 Sample.No 05 : NIVA no.01,02,26,24,25. All specimens except no 02 liver/guts with Anasakis larvae. Specimen nos. 13 and 14 lesions on jaw, fin or tissue.

Species : **LIMA LIM**, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area : **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **22F Børøfjorden**, Latitude: 59°43.00N, Longitude: 05°21.00E.
 Catch,date : **910901**, Count: **5**, Sample type: **Bulked**.

Analytical Lab. :	Analysis Code. :	Detection Limit :	Samp/ Sex Age Wght Lrgt	Repl. F/M year g mm	Dry %	Fat %	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
							310	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
							0.100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
							Hg	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
							ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
							W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT
01/ 0	X	102	212		19.40	0.80	0.040	0.10	0.10	0.20	0.60	1.00	1.70	0.10	0.40	<0.10	4.1	4.1	<4.5	<4.5	1.50	0.20	1.70	<0.10	0.10	0.10
02/ 0	X	189	248		20.60	0.80	0.040	0.10	0.10	0.40	0.60	1.00	1.60	<0.10	0.40	<0.10	4.2	4.2	<4.5	1.50	0.30	1.80	<0.10	0.20	<0.30	0.10
03/ 0	X	268	278		18.70	0.90	0.080	0.10	0.10	0.40	0.70	1.20	2.00	0.10	0.50	<0.10	5.0	5.0	<5.4	2.00	0.50	2.50	<0.10	0.20	<0.30	0.20
04/ 0	X	352	300		18.80	1.10	0.110	0.20	0.20	0.80	2.10	3.10	5.70	0.20	1.10	0.10	13.2	13.2	14.1	4.90	1.50	6.40	<0.10	0.30	<0.40	0.30
05/ 0	X	626	362		20.60	0.90	0.210	0.10	0.20	0.70	1.20	1.90	3.00	0.10	0.70	0.10	7.8	7.8	8.3	3.40	1.20	4.60	<0.10	0.10	<0.20	0.20
Mean		307	280		19.62	0.90	0.096	0.12	0.14	0.50	1.04	1.64	2.80	<0.12	0.62	<0.10	6.9	6.9	<<7.4	2.66	0.74	3.40	<0.10	0.18	<0.28	0.18
Minim.		102	212		18.70	0.80	0.040	0.10	0.10	0.20	0.60	1.00	1.60	<0.10	0.40	<0.10	4.1	4.1	<4.5	1.50	0.20	1.70	<0.10	0.20	<0.20	0.10
Maxim.		626	362		20.60	1.10	0.210	0.20	0.20	0.80	2.10	3.10	5.70	0.20	1.10	0.10	13.2	13.2	14.1	4.90	1.50	6.40	<0.10	0.30	<0.40	0.30
St.dev		201	57		0.93	0.12	0.070	0.04	0.05	0.24	0.64	0.90	1.71	0.04	0.29	0.00	3.8	3.8	4.1	1.47	0.58	2.04	0.00	0.08	0.08	0.08
Count		5	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5)
 ! Missing value.

Tab. width cont'd LIMA LIM, MU, J99, 22F Børøyfjorden, 921215.

Analytical Lab. :		NIVA	NIVA
Analysis Code. :		341	341
Detection Limit. :		0.10	0.10
Samp/	Sex Age Wght Ingt	QCB	OCS
Repl. F/M year	g mm	ppb	ppb
no.		w.wt	w.wt
01/ 0	X 5 302 290	<0.10	<0.10
02/ 0	X 4 353 317	<0.10	<0.10
03/ 0	X 6 485 335	<0.10	<0.10
04/ 0	F 7 739 380	<0.10	0.10
Mean	5.5 470 331	<<0.10	<<0.10
Minim.	4 302 290	<0.10	<0.10
Maxim.	7 739 380	<0.10	0.10
St.dev	1.3 195 38	~0.00	~0.00
Count	4 4 4	4	4

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.1: Liver and/or intestinal guts with larvae of Anisakis si No.3: Gills with Lernaeocera copepods and Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10 Nos.6,8,9&10: Liver and/or intestinal guts with larvae of Anisakis simplex No.8: Skin with metacercariae of cf. Cryptocotyle lingua
 Sample.No 03 : Bulk of NIVA nos.:11,12,13,14 Nos 12&14: Liver and/or intestinal guts with larvae of Anisakis simplex
 Sample.No 04 : Bulk of NIVA nos.:15,16,17,18 Nos 15 & 17: Liver and/or intestinal guts with larvae of Anisakis simplex Nos 16&18: Skin with metacercariae of cf. Cryptocotyle lingua and Muscle with signs of inner bleeding

Species : **MELA ARG**, *Melanogrammus aeglefinus*, CB: Haddock, N: Hyse.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : LIVER.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 13, Sample type: **Homogenate**.

Analytical Lab. :	Analysis Code. :	Detection Limit. :	Samp/	Sex Age Wght Ingt	Repl. F/M year	g mm	no.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA			
								312	311	312	311	510	510	510	510	510	510	510	510	510	510	510	510	510	510
								0.030	0.150	0.150	0.150	0.040	0.040	20.00	40.00	40.00	40.00	30.00	30.00	30.00	30.00	30.00	30.00		
								Fat	%	Fat	%	PCB	ppm	DDEPP	ppb	DD	Σ4	HCHG	HC	Σ2	HCB	EPOCL			
								Dry	%	Dry	%	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm		
								Weight	g	Weight	g	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt		
01/ 1	H 2	775	429					26.6	70.86	65.00	0.005	4.020	0.140	10.50	0.290	40.00	40.00	40.00	40.00	40.00	40.00	40.00	60.00	20.00	2.800
01/ 2								26.6	70.86	65.00					0.390	40.00	50.00	90.00	60.00	60.00	60.00	60.00	20.00	1.900	
Mean	2.0	775	429					26.6	70.86	65.00	0.005	4.020	0.140	10.50	0.340	40.00	45.00	85.00	60.00	60.00	60.00	60.00	20.00	2.350	
Minim.	2	775	429					26.6	70.86	65.00	0.005	4.020	0.140	10.50	0.340	40.00	45.00	85.00	60.00	60.00	60.00	60.00	20.00	2.350	
Maxim.	2	775	429					26.6	70.86	65.00	0.005	4.020	0.140	10.50	0.340	40.00	45.00	85.00	60.00	60.00	60.00	60.00	20.00	2.350	
St.dev																									
Count	1	1	1					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Sample.No 01 : Individual length, weight and age determinations available. The following comments applied to all 13 specimens: Skin with metacercari of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.
 LIVER : Bulk Liver weight data: n=12 (out of 13), min.=23.0, max.=38.3 - mean=28.8, sd.=5.3. Dry weight reanalysis = 70.73%. Ext. Lipid reanalysis = 63.2%.

Species : **MELA AEG**, *Melanogrammus aeglefinus*, GB: Haddock, N: Hyse.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **871020**, Count: 11, Sample type: **Homogenate**.

Analytical Lab. :		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	NACE	NACE	NACE	NACE									
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510									
Detection Limit :		0.030	0.150	0.150	0.150	0.040	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00									
Samp/	Sex Age	Wght	Lngt	Repl.	F/M	year	g	mm	g	mm	g	mm	g	mm									
no.																							
01/ 1	X	2	857	433			33.5	84.50	65.10	0.180	2.150	<.200	19.50	0.300	50.00	60.00	110.00	40.00	40.00	<40.00	<40.00	<0.800	
01/ 2							33.5	84.50	65.10	0.120	8.170	<.200	27.60										
Mean	2.0	857	433				33.5	84.50	65.10	0.150	5.160	<.200	23.55	0.300	50.00	60.00	110.00	40.00	40.00	40.00	40.00	<40.00	<0.800
Minim.	2	857	433				33.5	84.50	65.10	0.150	5.160	<.200	23.55	0.300	50.00	60.00	110.00	40.00	40.00	40.00	40.00	40.00	<0.800
Maxim.	2	857	433				33.5	84.50	65.10	0.150	5.160	<.200	23.55	0.300	50.00	60.00	110.00	40.00	40.00	40.00	40.00	40.00	<0.800
St.dev																							
Count	1	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Sample.No 01 : Skin with metacercari of cf. *Cryptocotyle lingua* on all but one fish.
 LIVER : homogenate of 11 fish livers: min.=16.4g, max.=50.9g, mean=33.5g, sd=9.14g. Liver infested with nematodes.

Species : **MELA AEG**, *Melanogrammus aeglefinus*, GB: Haddock, N: Hyse.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 4, Sample type: **Homogenate**.

Analytical Lab. :		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	NACE	NACE	NACE	NACE									
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510									
Detection Limit :		0.030	0.150	0.150	0.150	0.040	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00									
Samp/	Sex Age	Wght	Lngt	Repl.	F/M	year	g	mm	g	mm	g	mm	g	mm									
no.																							
01/ 0	X	4	828	451			78.60	61.70	0.030	2.710	<.090	15.10	0.590	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	7.670

Sample.No 01 : Bulk of spec.no. 1-4

Species : **MELA AEG**, *Melanogrammus aeglefinus*, GB: Haddock, N: Hyse.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 13, Sample type: **Homogenate**.

Analytical Lab. :		NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	NACE	NACE	NACE	NACE
Analysis Code. :		310	311	312	311	510	510	510	510	510	510	510	510	510
Detection Limit :		0.010	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Samp/	Sex Age	Wght	Lngt	Repl.	F/M	year	g	mm	g	mm	g	mm	g	mm
no.														
01/ 1	H	2	775	429			22.21		0.100	0.020				
01/ 2							22.21			<0.020				
Mean	2.0	775	429				22.21		0.100	<0.020				
Minim.	2	775	429				22.21		0.100	<0.020				
Maxim.	2	775	429				22.21		0.100	<0.020				
St.dev														
Count	1	1	1				1	1	1	1	1	1	1	1

Sample.No 01 : Individual length, weight and age determinations available. The following comments applied to all 13 specimens: Skin with metacercari of cf. *Cryptocotyle lingua*. Internal organs with signs of decomposition.
 MUSCLE : Dry weight reanalysis = 22.11%

Species : **MERL MNG**, Merlangus merlangus, GB: Whiting, N: Hvitting.
 Sample area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch, date : **881117**, Count: 6, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	Σ (*)	NACE	Σ (*)	NACE	NACE
Analysis Code. :	312	311	312	311	311	510	510	510	!	510	!	510	510
Detection Limit :	0.030	0.150	0.150	0.150	3.00	0.040	40.00	40.00	!	40.00	!	40.00	0.800
Samp/ Sex Age Wght Lngt	Fat	Cd	Cu	Pb	Zn	P CB	DDEPP	DDTTP	DD	HCHG	HC	HC	EPOCL
Repl. F/M year g mm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 1 404 352	76.80	61.50	0.070	5.030	0.100	1.090	140.00	140.00	280.00	<40.00	<40.00	<40.00	miss

miss(1)
 ! Missing value.
 Sample.No 01 : Bulk of spec.no. 1-6

Species : **MERL MNG**, Merlangus merlangus, GB: Whiting, N: Hvitting.
 Sample area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch, date : **871020**, Count: 5, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NACE
Analysis Code. :	310	511
Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Fat	P CB
Repl. F/M year g mm	%	ppm
no.	d.wt	w.wt
01/ 1 X 1 492 380	22.10	0.30
01/ 2	22.10	0.30
Mean	22.10	0.30
Minim.	22.10	0.30
Maxim.	22.10	0.30
St.dev		
Count	1	1

Sample.No 01 :

MUSCLE : homogenate of 5 fish filets (part) : min.=21.4g, max.=42.9g, mean=31.6g, sd=7.8g. 157.90 g tissue used in analysis.

Species : **MERL MNG**, Merlangus merlangus, GB: Whiting, N: Hvitting.
 Sample area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch, date : **881117**, Count: 6, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NACE
Analysis Code. :	310	511
Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Fat	P CB
Repl. F/M year g mm	%	ppm
no.	d.wt	w.wt
01/ 0 X 1 404 352	21.50	0.20

Sample.No 01 : Bulk of spec.no. 1-6

Species : **MICR KIT**, Microstomus kitt, GB: Lemon sole, N: Lomre.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 2, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	NACE	NACE	NACE	NACE	NACE
Analysis Code. :	311	312	311	312	311	510	510	510	510	510	510	610
Detection Limit :	0.030	0.150	0.150	0.150	3.00	0.040	40.00	40.00	40.00	40.00	40.00	0.800
Samp/ Sex Age Wght Lngt	Cd	Pb	Cu	Pb	Zn	PCB	DDEPP	DDTTPP	DD	HC	HC	EPOCL
Repl. F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppm
	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 5 372 310	36.00	14.20	0.490	56.000	0.340	157.00	0.250	<40.00	<40.00	<40.00	<40.00	2.500

Sample.No 01 : Bulk of spec.no. 1-2

Species : **MICR KIT**, Microstomus kitt, GB: Lemon sole, N: Lomre.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 2, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NACE
Analysis Code. :	310	511
Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Hg	PCB
Repl. F/M year g mm	ppm	ppm
	d.wt	w.wt
01/ 0 X 5 372 310	23.00	0.20
	0.050	<0.020

Sample.No 01 : Bulk of spec.no. 1-2

Species : **PLAT FLE**, Platicthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **31B Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.
 Catch,date : **811223**, Count: 8, Sample type: **Individual**.

Analytical Lab. :	SIIF	SIIF
Analysis Code. :	130	110
Detection Limit :	0.010	0.010
Samp/ Sex Age Wght Lngt	Fat	PCB
Repl. F/M year g mm	g	ppm
	g	w.wt
01/ 0 X 4 540 630	12.0	0.342
02/ 0 M 6 780 420	12.0	0.276
03/ 0 F 4 430 330	8.0	0.243
04/ 0 M 4 450 360	6.0	0.196
05/ 0 F 5 405 340	8.0	0.870
06/ 0 X 4 340 300	5.0	0.260
07/ 0 X 4 395 330	4.0	0.610
08/ 0 X 4 415 340	4.0	0.860
Mean	7.6	1.068
Minim.	4.0	0.260
Maxim.	12.0	2.300
St.dev	3.0	0.748
Count	8	8

Species : PIAT FLE, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: J26 Oslofjorden, Tissue : LIVER.
 Locality : 33B Sande (east side), Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : 831229, Count: 25, Sample type: Individual.

Samp/ Repl. no.	Sex	Age	Wght	Ingt	mm	Dry %		Fat %		VETN		VETN		VETN		Σ (*)		VETN	
						%	%	Cd	PCB	DDEPP	DD_Σ4	ppb	w.wt	miss	0.010	0.050	50.00	ppb	w.wt
01/	0	M	4	140	230	23.10	6.80	miss	0.100	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
02/	0	F	4	280	300	27.10	2.90	0.280	0.140	50.00	50.00	50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
03/	0	M	2	140	250	.	3.00	miss	0.110	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
04/	0	F	2	210	270	26.40	1.70	0.130	0.110	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
05/	0	M	3	140	240	.	2.50	0.170	0.070	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
06/	0	M	3	200	280	.	4.49	0.270	0.100	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
07/	0	F	2	160	250	.	4.49	0.090	0.210	70.00	70.00	70.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
08/	0	M	2	150	260	.	5.80	0.140	0.130	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
09/	0	F	3	200	260	30.30	9.00	0.090	0.310	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
10/	0	F	3	280	290	28.50	6.00	0.130	0.070	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
11/	0	M	3	230	280	.	3.60	0.310	0.080	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
12/	0	M	2	150	250	.	5.80	0.160	0.590	120.00	120.00	120.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
13/	0	F	3	230	260	32.60	3.80	0.070	0.060	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
14/	0	F	3	320	310	32.19	6.40	0.270	0.200	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
15/	0	F	3	200	270	.	4.70	0.220	0.390	70.00	70.00	70.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
16/	0	M	3	200	280	.	7.20	0.340	0.100	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
17/	0	F	3	130	240	.	4.49	0.130	<0.050	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
18/	0	F	2	150	240	30.30	5.40	0.060	0.140	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
19/	0	M	3	280	320	34.00	14.00	0.290	0.160	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
20/	0	F	3	410	340	29.00	10.00	0.190	0.170	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
21/	0	F	2	170	250	.	5.00	0.280	0.100	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
22/	0	F	3	290	290	.	11.40	0.700	0.170	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
23/	0	F	2	270	290	27.10	4.00	0.260	0.080	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
24/	0	M	2	170	260	.	6.40	0.170	0.140	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
25/	0	F	4	220	260	27.90	13.20	0.290	0.690	110.00	110.00	110.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Mean	2.8	213	271			29.04	6.08	0.219	<0.179	<56.80	<56.80	<56.80	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Minim.	2	130	230			23.10	1.70	0.060	<0.050	<50.00	<50.00	<50.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Maxim.	4	410	340			34.00	14.00	0.700	0.690	120.00	120.00	120.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
St.dev	0.7	69	27			3.04	3.20	0.135	~0.159	~18.42	~18.42	~18.42	~18.42	~18.42	~18.42	~18.42	~18.42	~18.42	~18.42
Count	25	25	25			12	25	23	25	25	25	25	25	25	25	25	25	25	25

miss (2) ! Missing value.

Sample.No 04 : The gut wall was densely populated by small whit protuberances, the unicellular parasite Glugea stephani. In the gut there was also the round-worm Cucullanus heterochrous.

Sample.No 06 : Lymfocystis at parts of the ventral side.

Sample.No 13 : Some haemorrhages in the liver probably caused under catch.

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **851113**, Count: 25, Sample type: **Homogenate**.

Samp/ Repl. no.	Sex	Age	Wght	Ingt	VEIN		VEIN		VEIN		Σ(*)	
					Fat %	Dry %	ppm	w.wt	ppb	w.wt	ppb	w.wt
26/ 1	X		177	252	8.79	25.60	0.200	0.060	<50.00	<50.00	<50.00	<100.00
26/ 2					8.79	25.60	0.190	0.060	<50.00	<50.00	<50.00	<100.00
Mean			177	252	8.79	25.60	0.195	0.060	<50.00	<50.00	<50.00	<100.00
Minim.			177	252	8.79	25.60	0.195	0.060	<50.00	<50.00	<50.00	<100.00
Maxim.			177	252	8.79	25.60	0.195	0.060	<50.00	<50.00	<50.00	<100.00
St.dev												
Count	1	1			1	1	1	1	1	1	1	1

Sample.No 26 : Bulk livers of fish 01-25: min.=1.1g, max.=6.3g, sd.=1.21g.
 LIVER : Dry weight reanalysis = 25.5%. Ext. lipid reanalysis = 4.70% (half of first analysis!).

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **861119**, Count: 22, Sample type: **Homogenate**.

Samp/ Repl. no.	Sex	Age	Wght	Ingt	NIVA		NIVA		NIVA		NACE		NACE		Σ(*)		NACE		Σ(*)		
					Fat %	Dry %	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt	ppm	d.wt
01/ 1	H	3	172	244	9.90	25.10	0.700	86.600	0.910	210.00	<0.040	<20.00	<40.00	<40.00	<40.00	50.00	50.00	30.00	30.00	2.100	2.100
01/ 2					9.90	25.10					0.160	<20.00	<40.00	<40.00	<40.00	<30.00	<30.00	10.00	10.00	2.000	2.000
Mean			3.0	172	9.90	25.10	0.700	86.600	0.910	210.00	<0.100	<20.00	<40.00	<40.00	<40.00	<40.00	<40.00	20.00	20.00	2.050	2.050
Minim.			3	172	9.90	25.10	0.700	86.600	0.910	210.00	<0.100	<20.00	<40.00	<40.00	<40.00	<40.00	<40.00	20.00	20.00	2.050	2.050
Maxim.			3	172	9.90	25.10	0.700	86.600	0.910	210.00	<0.100	<20.00	<40.00	<40.00	<40.00	<40.00	<40.00	20.00	20.00	2.050	2.050
St.dev																					
Count	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Sample.No 01 : Contaminant determinations on bulk samples (22 fish), Ventral lacerations in two of the 22 specimens. Individual length, weight and age determinations available.

LIVER : Bulk liver weight data: n=22, min.=0.7, max.=21.6, sd.=4.31 mean=3.33 (calculated by ICES). Dry weight reanalysis = 25.06% Ext. lipid reanalysis = 7.7%

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **871110**, Count: 26, Sample type: **Bulked**.

Analytical Lab. :		NIVA		NIVA		NIVA		NIVA		NACE		Σ(*)		NACE		Σ(*)		NACE	
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510	510	510	510	510	510
Detection Limit :		0.030		0.150		0.040		40.00		40.00		40.00		40.00		40.00		40.00	
Samp/ Repl.	Sex Age Wght Lngt	Cd	Cu	Pb	Zn	PCB	DDEPP	DDTTPP	DD	Σ4	HCHG	HC	Σ2	HCB	EPOCL	ppb	ppb	ppb	ppm
F/M	year	g	mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.		d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 1	X	2	167	255	6.7	22.00	4.70	1.170	166.000	2.090	408.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.440
01/ 2					6.7	22.00	4.70	1.110	152.000	1.890	420.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.920
Mean	2.0	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
Minim.	2	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
Maxim.	2	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
St.dev	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Sample.No 01 : ISkin with lesions.on four specimens. Parasites on tail-root of one specimen One specimen without otholith.
 LIVER : homogenate of 26 fish livers: min.=1.1g, max.=7.1g, mean=2.89g, sd=1.53g

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **871110**, Count: 26, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NIVA		NIVA		NIVA		NACE		Σ(*)		NACE		Σ(*)		NACE	
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510	510	510	510	510	510
Detection Limit :		0.030		0.150		0.040		40.00		40.00		40.00		40.00		40.00		40.00	
Samp/ Repl.	Sex Age Wght Lngt	Cd	Cu	Pb	Zn	PCB	DDEPP	DDTTPP	DD	Σ4	HCHG	HC	Σ2	HCB	EPOCL	ppb	ppb	ppb	ppm
F/M	year	g	mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.		d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 1	X	2	167	255	6.7	22.00	4.70	1.170	166.000	2.090	408.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.440
01/ 2					6.7	22.00	4.70	1.110	152.000	1.890	420.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	3.920
Mean	2.0	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
Minim.	2	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
Maxim.	2	167	255		6.7	22.00	4.70	1.140	159.000	1.990	414.00	0.050	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	4.180
St.dev	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Count	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Sample.No 01 : Skin with lesions.on four specimens. Parasites on tail-root of one specimen One specimen without otholith.
 LIVER : homogenate of 26 fish livers: min.=1.1g, max.=7.1g, mean=2.89g, sd=1.53g

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **881001**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NIVA		NIVA		NIVA		NACE		Σ(*)		NACE		Σ(*)		NACE	
Analysis Code. :		312	311	312	311	510	510	510	510	510	510	510	510	510	510	510	510	510	510
Detection Limit :		0.030		0.150		0.040		40.00		40.00		40.00		40.00		40.00		40.00	
Samp/ Repl.	Sex Age Wght Lngt	Cd	Cu	Pb	Zn	PCB	DDEPP	DDTTPP	DD	Σ4	HCHG	HC	Σ2	HCB	EPOCL	ppb	ppb	ppb	ppm
F/M	Year	g	mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
no.		d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0	X	4	178	250	25.40	8.60	0.240	64.000	0.340	215.00	0.280	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	<40.00	1.720

Sample.No 01 : Bulk of spec.no. 1-25

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **891018**, Count: 18, Sample type: **Homogenate**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	312	311	312	311	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	
	0.050	0.150	0.150	3.00	0.020	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	
01/ 0 H 4 180 249	26.40	49.70	0.400	130.000	0.800	183.00	7.080	s610.00	s650.00	s560.00	s820.00	s1570.00	s1520.00	s410.00	s6140.00	s6140.00	980.00	<20.00	<1000.00	210.00	210.00

s/q (9) ! Suspect value(s)
 miss(1) ! Missing value.

Tab.width cont'd **PLAT FLE, LI, J26, 33B Sande (east side), 891018**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NACE	610	EPOCLI
		0.800	
01/ 0 H 4 180 249			miss

Sample.No 01 : Uncertain age determination for some individuals

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **901113**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
	0.010	0.150	0.050	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
01/ 0 H 4 425 350	8.1	23.40	11.70	0.276	20.300	0.240	55.20	3.00	5.00	8.00	10.00	15.00	20.00	5.00	<1.00	<1.00	66.0	<67.0	27.00	miss	miss	
02/ 0 H 5 401 334	9.0	28.00	3.60	0.244	34.200	0.340	62.30	2.00	2.00	3.00	5.00	6.00	8.00	2.00	<1.00	<1.00	28.0	<29.0	8.00	miss	miss	
03/ 0 H 4 354 319	6.8	24.20	5.50	0.234	21.400	0.260	56.10	2.00	2.00	3.00	5.00	7.00	9.00	2.00	<1.00	<1.00	30.0	<31.0	11.00	miss	miss	
04/ 0 H 4 313 307	6.5	25.40	7.50	0.135	19.000	0.220	56.90	2.00	2.00	4.00	6.00	8.00	11.00	3.00	<1.00	<1.00	36.0	<37.0	13.00	miss	miss	
05/ 0 H 4 255 294	4.6	21.90	4.40	0.151	20.100	0.200	121.00	4.00	5.00	8.00	17.00	18.00	25.00	7.00	<1.00	<1.00	84.0	<85.0	52.00	miss	miss	
Mean	4.2	24.58	6.54	0.208	23.000	0.252	70.30	2.60	3.20	5.20	8.60	10.80	14.60	3.80	<<1.00	<<1.00	48.8	<<49.8	22.20	.	.	
Minim.	4	255 294			19.000	0.200	55.20	2.00	2.00	3.00	5.00	6.00	8.00	2.00	<1.00	<1.00	28.0	<29.0	8.00	.	.	
Maxim.	5	425 350			34.200	0.340	121.00	4.00	5.00	8.00	17.00	18.00	25.00	7.00	<1.00	<1.00	84.0	<85.0	52.00	.	.	
St.dev	0.4	68 22			6.319	0.054	28.48	0.89	1.64	2.59	5.13	5.36	7.50	2.17	70.00	70.00	24.9	24.9	18.19	.	.	
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5) ! Missing value.

Tab.width cont'd PLAT FLE, LI, J26, 33B Sande (east side), 921012.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA		Σ(*)		NIVA		NIVA		NIVA	
	340	340	!	!	340	340	340	340	340	340
	5.00	5.00	!	!	5.00	5.00	5.00	5.00	5.00	5.00
	HCHA	HCHG	HC	Σ2	HCB	QCB	OCS			
	ppb	ppb	ppb	ppb	ppb	ppb	ppb			
	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT			
01/ 0 X 4 162 239	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
02/ 0 X 5 224 273	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
03/ 0 X 4 250 282	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
04/ 0 X 4 292 297	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
05/ 0 X 4 362 322	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Mean 4.2 258 283	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00	<<5.00
Minim. 4 162 239	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Maxim. 5 362 322	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
St.dev 0.4 75 31	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00
Count 5 5 5	5	5	5	5	5	5	5	5	5	5

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.3: poorly developed inner organs No.5: Liver with necrotic areas and/or discoloration

Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10

Sample.No 03 : Bulk of NIVA nos.:11,12,13,14,15 No.13: Discoloration on ventral side

Sample.No 04 : Bulk of NIVA nos.:16,17,18,19,20 No.17-19: Liver with necrotic areas and/or discoloration

Sample.No 05 : Bulk of NIVA nos.:21,22,23,24,25 No.23&25: Liver with necrotic areas and/or discoloration No.25: poorly developed roe mass

Species : PLAT FLE, Platichthys flesus, G8: Flounder, N: Skrubbe.

Sample.area: J26 Oslofjorden, Tissue : LIVER.

Locality : 33X Sande (west side), Latitude: 59°31.70N, Longitude: 10°20.40E.

Catch,date : 901106, Count: 15, sample type: Bulked.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	312	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
	0.010	0.150	0.050	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Fat	Dry	%	%	Zn	Pb	Cu	Cd														
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT
01/ 0 H 5 178 268	2.4	24.20	4.20	0.214	24.000	0.330	58.40	4.00	2.00	2.00	3.00	12.00	12.00	12.00	17.00	5.00	5.00	17.00	5.00	5.00	5.00	5.00
02/ 0 H 3 130 258	1.5	23.30	3.40	0.131	20.900	0.420	57.40	3.00	2.00	2.00	2.00	5.00	5.00	5.00	6.00	2.00	2.00	6.00	2.00	2.00	2.00	2.00
03/ 0 H 3 87 208	1.0	21.80	3.10	0.094	25.400	0.290	57.60	2.00	1.00	1.00	3.00	3.00	3.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Mean 3.7 132 238	1.6	23.10	3.57	0.146	23.433	0.347	57.80	3.00	1.67	2.00	6.67	7.00	6.67	7.00	9.00	2.67	2.67	9.00	2.67	2.67	2.67	2.67
Minim. 3 87 208	1.0	21.80	3.10	0.094	20.900	0.290	57.40	2.00	1.00	1.00	3.00	3.00	3.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Maxim. 5 178 268	2.4	24.20	4.20	0.214	25.400	0.420	58.40	4.00	2.00	2.00	3.00	12.00	12.00	12.00	17.00	5.00	5.00	17.00	5.00	5.00	5.00	5.00
St.dev 1.2 46 30	0.7	1.21	0.57	0.061	2.303	0.067	0.53	1.00	0.58	1.00	4.73	4.36	4.73	4.36	7.00	2.08	2.08	7.00	2.08	2.08	2.08	2.08
Count 3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(3) ! Missing value.

Tab.width cont'd PLAT FLE, LI, J26, 33X Sande (west side), 901106.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	HC	Σ2	HCB	ppb	w.wt	QCB	ppb	OCS	EPOCI	NIVA	ppb	w.wt	NIVA	ppm	w.wt
01/ 0	H	5	178	268	4.00	1.00	1.00	<1.00	<1.00	<1.00	<1.00	1.050	1.050	340	340	<1.00	340	615	0.040
02/ 0	H	3	130	238	3.00	1.00	1.00	<1.00	<1.00	<1.00	<1.00	0.880	0.880	340	2.00	<1.00	340	0.040	
03/ 0	H	3	87	208	3.00	1.00	1.00	<1.00	<1.00	<1.00	<1.00	0.720	0.720	340	2.00	<1.00	340	0.040	
Mean	3.7	132	238	3.33	1.00	<<1.00	<<1.00	<<1.00	<<1.00	<<1.00	<<1.00	0.883	0.883						
Minim.	3	87	208	3.00	1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.720	0.720						
Maxim.	5	178	268	4.00	1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.050	1.050						
St.dev	1.2	46	30	0.58	0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	0.165	0.165						
Count	3	3	3	3	3	3	3	3	3	3	3	3	3						

Sample.No 01 : NIVA no. 11,12,13,14,15. Specimen no. 11-13 with bacterial fin rot.
 Sample.No 02 : NIVA no. 16,17,18,19,20. Specimen no. 20 with bacterial fin rot.
 Sample.No 03 : NIVA no. 21,22,23,24,25. Specimen no. 21 and 25 with bacterial fin rot.

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sørforjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørforjorden**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **840317**, Count: 22, Sample type: **Individual**.

Sample/ Repl. no.	Sex	Age	Wght	Lngt	Dry %	Fat %	Cd ppm	w.wt	FIER 402
01/ 0	M	2	107	230	17.50	.	miss		miss
02/ 0	M	3	110	260	22.00	.	miss		miss
03/ 0	M	2	120	240	10.00	.	miss		miss
04/ 0	M	2	158	250	16.70	.	miss		miss
05/ 0	F	2	163	260	.	.	miss		miss
06/ 0	X	174	260	36.80	.	.	miss		miss
07/ 0	M	3	187	250	28.90	.	0.870		miss
08/ 0	X	189	300	15.80	.	.	miss		miss
09/ 0	X	2	190	250	18.50	.	miss		miss
10/ 0	M	2	200	250	29.20	.	0.820		miss
11/ 0	M	3	213	270	32.90	.	miss		miss
12/ 0	M	4	219	340	22.20	.	miss		miss
13/ 0	M	4	244	300	23.30	.	miss		miss
14/ 0	F	3	308	300	15.60	.	0.140		miss
15/ 0	X	2	310	330	18.90	.	1.680		miss
16/ 0	M	6	322	350	40.50	.	0.560		miss
17/ 0	M	5	482	400	23.30	.	3.230		miss
18/ 0	F	441	340	25.00	.	.	0.500		miss
19/ 0	F	3	533	350	26.30	.	1.100		miss
20/ 0	F	550	420	37.50	.	.	1.470		miss
21/ 0	M	4	552	370	.	.	miss		miss
22/ 0	M	8	655	470	19.80	.	0.660		miss
Mean	3.3	292	309	24.04	.	.	1.083		miss
Minim.	2	107	230	10.00	.	.	0.140		miss
Maxim.	8	655	470	40.50	.	.	3.230		miss
St.dev	1.6	167	65	8.16	.	.	0.894		miss
Count	18	22	22	20	.	.	10		miss

miss(12) : Missing value.

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sør fjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **881118**, Count: 21, Sample type: **Homogenate**.

.	Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	NACE	Σ (*)	NACE	Σ (*)	NACE	NACE
.	Analysis Code. :	312	311	312	311	510	510	510	510	510	!	510	!	510	610
	Detection Limit :	0.030	0.150	0.150	3.00	0.040	40.00	40.00	40.00	40.00	!	40.00	!	40.00	0.800
Sampl/	Sex Age Wght Lngt	Cd	Cu	Pb	Zn	PCB	DDEPP	DDTTP	DD_Σ4	HCHG	HC_Σ2	HCB	EPOCL		
Repl. no.	F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
		d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 5 339 297		31.80	17.50	7.030	44.000	1.300	171.00	1.420	130.00	<40.00	<170.00	<40.00	<40.00	<40.00	11.200

Sample.No 01 : Bulk of spec.no. 1-21

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample area: **J63 Sørforjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørforjorden**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch, date : **891228**, Count: 25, Sample type: **Individual**.

Sample no.	Sex	Age	Wght	Lngt	mm	Analytical Lab. :		NIVA		NIVA		NIVA	
						Analysis Code. :	Detection Limit :	312	311	312	311	312	311
Repl. no.	F/M	year	g	mm		Mean Weight	Dry %	Fat %	Cd	Cu	Pb	Zn	
						g	%	%	ppm	ppm	ppm	ppm	d.wt
06/ 0	X	2	94	190		1.0	25.66	.	5.040	30.200	3.560	198.00	
07/ 0	F	2	98	195		1.0	26.68	.	13.700	49.700	3.570	195.00	
08/ 0	F	1	149	220		2.0	24.82	.	3.710	37.100	4.490	219.00	
09/ 0	F	3	132	225		1.0	84.96	.	4.060	7.260	6.490	149.00	
10/ 0	X	3	117	230		1.0	25.08	.	1.430	32.200	3.280	152.00	
11/ 0	F	3	145	230		0.5	30.04	.	12.700	35.100	7.430	180.00	
12/ 0	M	3	140	230		1.0	24.64	.	2.260	22.600	2.830	136.00	
13/ 0	F	5	148	230		2.0	20.88	.	2.920	17.500	2.510	143.00	
14/ 0	F	2	125	235		0.5	21.96	.	22.800	57.100	61.200	269.00	
15/ 0	M	3	170	240		1.0	25.47	.	4.000	44.400	2.480	209.00	
16/ 0	M	4	195	255		1.0	25.68	.	10.900	61.100	1.580	193.00	
17/ 0	F	4	311	260		4.0	32.88	.	5.760	74.000	2.770	211.00	
18/ 0	F	7	231	270		2.0	25.03	.	6.100	69.700	1.500	264.00	
19/ 0	F	3	264	280		2.0	23.98	.	15.500	28.400	6.620	173.00	
20/ 0	M	4	352	300		4.0	30.25	.	3.560	27.700	1.550	138.00	
21/ 0	F	4	418	305		8.0	30.55	.	3.380	18.800	0.870	120.00	
22/ 0	M	4	378	310		4.0	26.48	.	6.850	99.300	10.800	387.00	
23/ 0	F	6	362	320		7.0	25.19	.	3.180	35.800	7.440	226.00	
24/ 0	F	3	342	320		3.0	28.70	.	8.230	18.000	2.490	139.00	
25/ 0	F	2	484	335		10.0	34.79	.	4.710	8.940	1.260	133.00	
26/ 0	F	3	426	340		5.0	29.14	.	6.670	9.500	2.420	125.00	
27/ 0	F	2	448	345		3.0	19.71	.	59.200	48.800	6.930	153.00	
28/ 0	F	4	378	350		1.0	31.03	.	0.030	54.100	0.350	78.40	
29/ 0	F	4	582	355		8.0	33.75	.	2.040	7.790	0.900	65.30	
30/ 0	F	5	796	365		6.0	48.10	.	2.890	55.000	0.350	95.50	
Mean		3.4	291	277		3.2	30.22	.	8.465	38.004	5.827	174.05	
Minim.		1	94	190		0.5	19.71	.	0.030	7.260	0.350	65.30	
Maxim.		7	796	365		10.0	84.96	.	59.200	99.300	61.200	387.00	
St.dev		1.4	175	54		2.7	12.74	.	11.774	23.316	11.841	68.26	
Count		23	25	25		25	25	.	25	25	25	25	

Sample.No 06 : Digranes 15m depth.
 Sample.No 07 : Apold 12m depth. Uncertain age determination
 Sample.No 08 : Tyssedal 20m depth. Uncertain age determination
 Sample.No 09 : Digranes 15m depth. Uncertain age determination
 Sample.No 10 : Digranes 20m depth. Uncertain age determination
 Sample.No 11 : Digranes 15m depth. Uncertain age determination
 Sample.No 12 : Tyssedal 15m depth. Uncertain age determination
 Sample.No 13 : Tyssedal 20m depth. Uncertain age determination
 Sample.No 14 : Digranes 15m depth. One otholitt crystallized
 Sample.No 15 : Digranes 15m depth.
 Sample.No 16 : Edna 20m depth. Otholitts ruined
 Sample.No 17 : Digranes 15m depth. One otholitt edge chrysalized
 Sample.No 18 : Digranes 20m depth.
 Sample.No 19 : Digranes 15m depth.
 Sample.No 20 : Digranes 15m depth.
 Sample.No 21 : Edna 20m depth.
 Sample.No 22 : Edna 20m depth. Otholitts chrysalized
 Sample.No 23 : Apold 12m depth. Uncertain age determination
 Sample.No 24 : Stana 15m depth. One otholitt, Uncertain age determination
 Sample.No 25 : Digranes 15m depth.
 Sample.No 26 : Stana 15m depth.
 Sample.No 27 : Tyssedal 20m depth. Uncertain age determination
 Sample.No 28 : Apold 12m depth. Uncertain age determination.
 Sample.No 29 : Digranes 20m depth.
 Sample.No 30 : Stana 15m depth. Uncertain age determination

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sørifjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørifjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **891228**, Count: 25, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NACE		NACE		NACE		NACE		NACE		NACE		NACE		NACE		NACE		NACE		
	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	
01/ 0 H 4 118 212	1.980	s100.00	s320.00	s220.00	s430.00	s80.00	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0
02/ 0 H 3 146 233	0.020	s390.00	s470.00	s20.00	s120.00	s20.00	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0	s<1200.0
03/ 0 H 4 267 273	0.330	s170.00	s210.00	s20.00	s70.00	s20.00	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0
04/ 0 H 4 397 318	1.270	s190.00	s170.00	s210.00	s330.00	s30.00	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0	s1310.0
05/ 0 H 4 526 351	1.090	s60.00	s70.00	s180.00	s100.00	s230.00	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0	s910.0
Mean	3.8	1.054	s182.00	s210.00	s160.00	s96.00	s248.00	s1152.0	s1152.0	s1152.0	s34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00	s<34.00
Minim.	3	0.330	s60.00	s70.00	s20.00	s20.00	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0	s540.0
Maxim.	4	1.980	s390.00	s470.00	s320.00	s520.00	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0	s1800.0
St.dev	0.4	172.55	154.27	118.53	80.19	193.05	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

s/q(72) ! Suspect value(s)
 k (1) Value= 1000 * given units.
 Sample.No 01 : Bulk of spec.no. 6-10. Uncertain age determination
 Sample.No 02 : Bulk of spec.no. 11-15. Uncertain age determination
 Sample.No 03 : Bulk of spec.no. 16-20.
 Sample.No 04 : Bulk of spec.no. 21-25. Uncertain age determinations on 4 fish
 Sample.No 05 : Bulk of spec.no. 26-30. Uncertain age determinations on 4 fish

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sørifjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørifjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **901012**, Count: 25, Sample type: **Bulked**.
 Comment : Caught 1012-1022 at various sites in inner Sørifjord; frozen before preparation.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	311	312	311	311	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340			
01/ 0 H 3 214 262	0.010	0.150	0.050	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
02/ 0 H 4 273 282	8.20	1.537	5.790	1.290	43.70	9.00	19.00	19.00	19.00	80.00	80.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00
03/ 0 H 3 320 302	8.00	0.770	8.190	0.560	40.90	8.00	23.00	23.00	23.00	100.00	100.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00
04/ 0 H 4 385 314	37.70	22.20	1.110	6.500	1.000	41.20	41.00	42.00	42.00	133.00	133.00	110.00	122.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00
05/ 0 H 3 663 368	20.30	1.781	9.840	0.710	51.30	42.00	56.00	56.00	56.00	198.00	198.00	168.00	168.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	
Mean	25.90	8.20	1.537	5.790	43.70	9.00	19.00	19.00	19.00	80.00	80.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	
Minim.	31.34	14.60	1.426	8.624	44.08	23.20	34.80	34.80	34.80	125.20	125.20	98.60	128.20	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	132.80	
Maxim.	37.70	22.20	1.930	12.800	1.290	51.30	42.00	56.00	56.00	198.00	198.00	147.00	168.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00		
St.dev	6.21	6.61	0.480	2.813	0.342	4.22	16.99	14.92	45.12	36.62	23.94	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57		
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		

! Missing value.

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **831229**, Count: 25, Sample type: **Individual**.

Samp/ Repl. no.	Sex	Age	F/M	year	g	mm	Analytical Lab. :		VEITN		VEITN		VEITN		Σ(*)		VEITN	
							Code	Detection Limit	0.010	0.050	211	210	210	210	!	!	!	!
							Dry %	Fat %	Hg ppm	PCB ppm	DDEPP ppb	DD_Σ4 ppb	DD_Σ4 ppb	HCB ppb				
01/0	M	4		140	230		24.90	.	0.070	<0.050	<50.00	<50.00	<50.00	<10.00				
02/0	F	4		280	300		23.40	.	0.230	<0.050	<50.00	<50.00	<50.00	<10.00				
03/0	M	2		140	250		24.90	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
04/0	F	2		210	270		22.90	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
05/0	M	3		140	240		26.00	.	0.250	<0.050	<50.00	<50.00	<50.00	<10.00				
06/0	M	3		200	280		23.60	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
07/0	F	2		160	250		23.80	.	0.120	<0.050	<50.00	<50.00	<50.00	<10.00				
08/0	M	2		150	260		24.50	.	0.090	<0.050	<50.00	<50.00	<50.00	<10.00				
09/0	F	3		200	260		23.00	.	0.130	<0.050	<50.00	<50.00	<50.00	<10.00				
10/0	F	3		280	290		24.30	.	0.340	<0.050	<50.00	<50.00	<50.00	<10.00				
11/0	M	3		230	280		24.10	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
12/0	M	2		150	250		24.90	.	0.130	<0.050	<50.00	<50.00	<50.00	<10.00				
13/0	F	3		230	260		24.10	.	0.080	<0.050	<50.00	<50.00	<50.00	<10.00				
14/0	F	3		320	310		23.90	.	0.290	<0.050	<50.00	<50.00	<50.00	<10.00				
15/0	F	3		200	270		26.30	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
16/0	M	3		200	280		25.70	.	0.100	<0.050	<50.00	<50.00	<50.00	<10.00				
17/0	F	3		130	240		24.50	.	0.080	<0.050	<50.00	<50.00	<50.00	<10.00				
18/0	F	2		150	240		25.40	.	0.110	<0.050	<50.00	<50.00	<50.00	<10.00				
19/0	M	3		280	320		25.50	.	0.160	<0.050	<50.00	<50.00	<50.00	<10.00				
20/0	F	3		410	340		23.30	.	0.270	<0.050	<50.00	<50.00	<50.00	<10.00				
21/0	F	2		170	250		23.90	.	0.110	<0.050	<50.00	<50.00	<50.00	<10.00				
22/0	F	3		290	290		24.20	.	0.200	<0.050	<50.00	<50.00	<50.00	<10.00				
23/0	F	2		270	290		21.40	.	0.120	<0.050	<50.00	<50.00	<50.00	<10.00				
24/0	M	2		170	260		25.00	.	0.130	<0.050	<50.00	<50.00	<50.00	<10.00				
25/0	F	4		220	260		22.00	.	0.320	<0.050	<50.00	<50.00	<50.00	<10.00				
Mean		2.8		213	271		24.22	.	0.153	<<.050	<<50.00	<<50.00	<<50.00	<<10.00				
Minim.		2		130	230		21.40	.	0.070	<0.050	<50.00	<50.00	<50.00	<10.00				
Maxim.		4		410	340		26.30	.	0.340	<0.050	<50.00	<50.00	<50.00	<10.00				
St.dev		0.7		69	27		1.18	.	0.081	~0.000	~0.00	~0.00	~0.00	~0.00				
Count		25		25	25		25	.	25	25	25	25	25	25				

Sample.No 04 : The gut wall was densely populated by small white protuberances, the unicellular parasite *Glugea stephani*. In the gut there was also the round-worm *Cucullanus heterochrous*.
 Sample.No 06 : *Lymfocystis* at parts of the ventral side.
 Sample.No 13 : Some haemorrhages in the liver probably caused under catch.

Species : PLAT FLE, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: J26 Oslofjorden, Tissue : MUSCLE.
 Locality : 33B Sande (east side), Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : 851113, Count: 25, Sample type: Individual.

Samp/ Repl. no.	Sex	Age	Wght	Lngt	mm	Analytical Lab. :		VEITN		VEITN	
						Code.	Detection Limit :	220	211	Hg	P C B
F	M	F	g	mm		Dry %	Fat %	ppm	ppm	w.wt	w.wt
01/ 0	F		233	260		20.00	.	0.100	<0.050	0.100	<0.050
02/ 0	M		161	240		18.90	.	0.100	<0.050	0.100	<0.050
03/ 0	F		166	240		20.70	.	0.110	<0.050	0.110	<0.050
04/ 0	F		141	240		20.20	.	0.090	<0.050	0.090	<0.050
05/ 0	X		153	250		17.59	.	0.080	<0.050	0.080	<0.050
06/ 0	M		211	270		19.50	.	0.090	<0.050	0.090	<0.050
07/ 0	M		168	250		20.09	.	0.110	<0.050	0.110	<0.050
08/ 0	F		145	250		19.00	.	0.080	<0.050	0.080	<0.050
09/ 0	M		176	260		19.50	.	0.080	<0.050	0.080	<0.050
10/ 0	F		184	260		20.50	.	0.120	<0.050	0.120	<0.050
11/ 0	F		171	250		19.20	.	0.100	<0.050	0.100	<0.050
12/ 0	F		137	230		19.00	.	0.120	<0.050	0.120	<0.050
13/ 0	M		141	240		19.80	.	0.080	<0.050	0.080	<0.050
14/ 0	M		127	230		21.20	.	0.080	<0.050	0.080	<0.050
15/ 0	M		118	230		18.00	.	0.090	<0.050	0.090	<0.050
16/ 0	M		174	260		20.30	.	0.120	<0.050	0.120	<0.050
17/ 0	M		166	240		22.20	.	0.090	<0.050	0.090	<0.050
18/ 0	F		150	240		19.70	.	0.080	<0.050	0.080	<0.050
19/ 0	F		163	240		21.10	.	0.090	<0.050	0.090	<0.050
20/ 0	F		250	270		20.70	.	0.060	<0.050	0.060	<0.050
21/ 0	M		199	270		20.60	.	0.100	<0.050	0.100	<0.050
22/ 0	F		195	260		20.40	.	0.090	<0.050	0.090	<0.050
23/ 0	M		218	280		20.00	.	0.090	<0.050	0.090	<0.050
24/ 0	F		286	290		21.00	.	0.100	<0.050	0.100	<0.050
25/ 0	F		163	250		19.80	.	0.110	<0.050	0.110	<0.050
Mean			176	252		19.96	.	0.094	<<.050	0.094	<<.050
Minim.			118	230		17.59	.	0.060	<0.050	0.060	<0.050
Maxim.			286	290		22.20	.	0.120	<0.050	0.120	<0.050
St.dev			40	16		1.01	.	0.015	~0.000	0.015	~0.000
Count			25	25		25	.	25		25	

Sample.No 06 : Liver had some small necrotic areas. Signs of parasite boring.
 Sample.No 22 : Skin with lymphocystic changes.

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **861119**, Count: 22, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NACE				
Analysis Code. :		310		511				
Detection Limit :		0.010		0.020				
Samp/	Sex Age	Wght	Lngt	Dry	Fat	P	CB	
Repl.	F/M	year	g	mm	%	ppm	ppm	
no.					d.wt	w.wt		
01/	1	H	3	172	244	20.24	0.380	<0.020
01/	2					20.24	.	0.040
Mean	3.0			172	244	20.24	0.380	<0.030
Minim.	3			172	244	20.24	0.380	<0.030
Maxim.	3			172	244	20.24	0.380	<0.030
St.dev								
Count	1			1			1	1

Sample.No 01 : Contaminant determinations on bulk samples (22 fish), Ventral lacerations in two of the 22 specimens. Individual length, weight and age determinations available.

MUSCLE : Dry weight reanalysis = 19.71%

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **871110**, Count: 26, Sample type: **Bulked**.

Analytical Lab. :		NIVA		NACE				
Analysis Code. :		310		511				
Detection Limit :		0.010		0.020				
Samp/	Sex Age	Wght	Lngt	Dry	Fat	P	CB	
Repl.	F/M	year	g	mm	%	ppm	ppm	
no.					d.wt	w.wt		
01/	1	X	2	167	255	23.80	0.20	0.080
01/	2					23.80	0.20	0.100
Mean	2.0			167	255	23.80	0.20	0.090
Minim.	2			167	255	23.80	0.20	0.090
Maxim.	2			167	255	23.80	0.20	0.090
St.dev								
Count	1			1			1	1

Sample.No 01 : !Skin with lesions on four specimens. Parasites on tail-root of one specimen without otholith.
 MUSCLE : homogenate of 26 fish filets: min.=6.6g, max.=21.6g, mean=12.5g, sd=3.71g 0324.70 g tissue used in analysis.

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **871110**, Count: 26, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :		310		511	
Detection Limit :		0.010		0.020	
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
01/	1	X	2	167	255
01/	2				
Mean	2.0	167	255		
Minim.	2	167	255		
Maxim.	2	167	255		
St.dev					
Count	1	1	1	1	1

Sample.No 01 : Skin with lesions on four specimens. Parasites on tail-root of one specimen without otholith.
 MUSCLE : homogenate of 26 fish filets: min.=6.6g, max.=21.6g, mean=12.5g, sd=3.71g 0324.70 g tissue used in analysis.

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **881001**, Count: 25, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :		310		511	
Detection Limit :		0.010		0.020	
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
01/	0	X	4	178	250
Mean					
Minim.					
Maxim.					
St.dev					
Count					

Sample.No 01 : Bulk of spec.no. 1-25

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **891018**, Count: 18, Sample type: **Homogenate**.

Analytical Lab. :		NIVA		NACE	
Analysis Code. :		310		511	
Detection Limit :		0.100		0.020	
Samp/	Sex	Age	Wght	Lngt	
Repl.	F/M	year	g	mm	
no.					
01/	0	H	4	180	249
Mean					
Minim.					
Maxim.					
St.dev					
Count					

miss(1) ! Missing value.
 Sample.No 01 : Uncertain age determination for some individuals

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **901113**, Count: **2**, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 310		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341	
	Dry %	Fat %	Hg ppm	CB28 ppb	CB101 ppb	CB118 ppb	CB138 ppb	CB153 ppb	CB180 ppb	CB209 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb
01/ 0 H 4 425 350	19.40	0.40	0.200	0.15	0.17	0.25	0.51	0.65	0.13	<0.05	2.0	<2.1	1.14	miss	1.14	0.18	0.19	0.37	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
02/ 0 H 5 401 334	19.90	0.50	0.190	0.18	0.20	0.31	0.54	0.70	0.18	<0.05	2.3	<2.3	0.90	miss	0.90	0.19	0.20	0.39	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 0 H 4 354 319	20.10	0.50	0.140	0.13	0.17	0.27	0.44	0.54	0.14	<0.05	1.9	<1.9	0.90	miss	0.90	0.20	0.22	0.42	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
04/ 0 H 4 313 307	14.50	0.40	0.170	0.12	0.11	0.20	0.36	0.45	0.11	<0.05	1.5	<1.5	0.87	miss	0.87	0.16	0.16	0.32	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
05/ 0 H 4 255 294	17.70	0.30	0.180	0.23	0.32	0.53	1.07	1.43	0.36	<0.05	5.1	<5.2	2.24	miss	2.24	0.09	0.12	0.21	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	18.32	0.42	0.176	0.16	0.19	0.31	0.60	0.75	0.18	<0.05	2.6	<2.6	1.21	.	1.21	0.16	0.18	0.34	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
Minim.	14.50	0.30	0.140	0.12	0.11	0.20	0.36	0.45	0.11	<0.05	1.5	<1.5	0.87	.	0.87	0.09	0.12	0.21	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maxim.	20.10	0.50	0.200	0.23	0.32	0.53	1.07	1.43	0.36	<0.05	5.1	<5.2	2.24	.	2.24	0.20	0.22	0.42	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev	2.33	0.08	0.023	0.04	0.08	0.13	0.41	0.39	0.10	~0.00	1.5	~1.5	0.59	.	0.59	0.04	0.04	0.08	0.01	~0.00	~0.00	~0.00	~0.00	~0.00
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

miss(5)
 Sample.No 01 : NIVA no. 01,02,03,04,05. Specimen no. 02 lesions on jaw, fin and or tissue.
 Sample.No 02 : NIVA no. 06,07,08,09,10.
 Sample.No 03 : NIVA no. 11,12,13,14,15.
 Sample.No 04 : NIVA no. 16,17,18,19,20. Specimen no. 20 lesions on jaw, fin and or tissue.
 Sample.No 05 : NIVA no. 21,22,23,24,25. Specimen no. 24 lesions on jaw, fin and or tissue.

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33B Sande (east side)**, Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : **911023**, Count: **23**, Sample type: **Bulked**.

Analytical Lab. : Analysis Code. : Detection Limit : Samp/ Sex Age Wght Lrgt Repl. F/M year g mm no.	NIVA 310		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341		NIVA 341	
	Dry %	Fat %	Hg ppm	CB28 ppb	CB101 ppb	CB118 ppb	CB138 ppb	CB153 ppb	CB180 ppb	CB209 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb	CB 27 ppb
01/ 0 H 2 145 245	21.80	0.60	0.110	0.21	0.28	0.41	1.00	1.84	0.31	<0.05	5.6	<5.6	1.93	<0.05	<1.98	0.06	<0.05	<0.11	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
02/ 0 H 2 173 257	20.00	0.70	0.070	0.08	0.02	0.26	0.41	0.69	0.15	<0.05	2.4	<2.4	1.33	<0.05	<1.38	0.09	<0.05	<0.14	0.07	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 0 H 2 194 266	19.00	0.80	0.090	0.15	0.27	0.33	0.70	1.24	0.21	<0.05	4.0	<4.0	2.07	<0.05	<2.12	0.10	<0.05	<0.15	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
04/ 0 H 3 241 284	20.40	0.70	0.130	0.18	0.26	0.39	1.03	1.83	0.37	<0.05	5.4	<5.5	2.10	<0.05	<2.15	0.10	<0.05	<0.15	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
05/ 0 H 4 325 318	24.60	0.80	0.140	0.24	0.27	0.39	0.67	0.85	0.25	<0.05	3.5	<3.6	1.41	0.07	1.48	0.07	<0.05	<0.12	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	21.16	0.72	0.108	0.17	0.22	0.36	0.76	1.30	0.26	<0.05	4.2	<4.2	1.77	<0.05	<1.82	0.08	<0.05	<0.13	0.08	<0.05	<0.05	<0.05	<0.05	<0.05
Minim.	19.00	0.60	0.070	0.08	0.02	0.26	0.41	0.69	0.15	<0.05	2.4	<2.4	1.33	<0.05	<1.38	0.06	<0.05	<0.11	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
Maxim.	24.60	0.80	0.140	0.24	0.28	0.41	1.03	1.84	0.37	<0.05	5.6	<5.6	2.10	0.07	<2.15	0.10	<0.05	<0.15	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev	2.17	0.08	0.029	0.06	0.11	0.06	0.26	0.52	0.09	~0.00	1.4	~1.4	0.37	~0.01	~0.37	0.02	~0.00	~0.02	0.02	~0.00	~0.00	~0.00	~0.00	~0.00
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5
 Sample.No 02 : Bulk of NIVA nos.:6,7,8
 Sample.No 03 : Bulk of NIVA nos.:9,10,11,12,13
 Sample.No 04 : Bulk of NIVA nos.:14,15,16,17,18
 Sample.No 05 : Bulk of NIVA nos.:19,20,21,22,23

Species : PIAT FLE, Platichthys flesus, CB: Flounder, N: Skrubbe.
 Sample.area: J26 Oslofjorden, Tissue : MUSCLE.
 Locality : 33B Sande (east side), Latitude: 59°31.70N, Longitude: 10°21.00E.
 Catch,date : 921012, Count: 25, Sample type: Bulked.
 Comment : Station name : Sande (east side)

Anal. Lab.	NIVA 310	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341
01/ 0 X 4	0.100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
02/ 0 X 5	0.100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
03/ 0 X 4	0.100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
04/ 0 X 4	0.100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
05/ 0 X 4	0.100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean	4.2	258	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
Minim.	4	162	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
Maxim.	5	362	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
St.dev	0.4	75	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Tab.width cont'd PIAT FLE, MU, J26, 33B Sande (east side), 921012.

Anal. Lab.	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341	NIVA 341
01/ 0 X 4	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
02/ 0 X 5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
03/ 0 X 4	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
04/ 0 X 4	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
05/ 0 X 4	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean	4.2	258	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
Minim.	4	162	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
Maxim.	5	362	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
St.dev	0.4	75	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Count	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.3: poorly developed inner organs No.5: Liver with necrotic areas and/or discolouration
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10
 Sample.No 03 : Bulk of NIVA nos.:11,12,13,14,15 No.13: Discoloration on ventral side
 Sample.No 04 : Bulk of NIVA nos.:16,17,18,19,20 No.17-19: Liver with necrotic areas and/or discolouration
 Sample.No 05 : Bulk of NIVA nos.:21,22,23,24,25 No.23&25: Liver with necrotic areas and/or discolouration No.25: poorly developed roe mass

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **33X Sande (west side)**, Latitude: 59°31.70N, Longitude: 10°20.40E.
 Catch,date : **901106**, Count: 15, Sample type: **Bulked**.

Analytical Lab. : NIVA	
Analysis Code. : 310	
Detection Limit : 0.010	
Samp/	Hg
Sex Age	ppm
Wght	w.wt
Lngt	
mm	
Repl. F/M	
year	
g	
no.	
01/ 0 H 5 178 268	18.80
02/ 0 H 3 130 238	22.00
03/ 0 H 3 87 208	23.00
Mean	21.27
Minim.	18.80
Maxim.	23.00
St.dev	2.19
Count	3

Sample.No 01 : NIVA no. 11,12,13,14,15. Specimen no. 11-13 with bacterial fin rot.
 Sample.No 02 : NIVA no. 16,17,18,19,20. Specimen no. 20 with bacterial fin rot.
 Sample.No 03 : NIVA no. 21,22,23,24,25. Specimen no. 21 and 25 with bacterial fin rot.

Species : **PLAT FLE**, *Platichthys flesus*, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sørfjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **840317**, Count: 22, Sample type: **Individual**.

Analytical Lab. : FIER	
Analysis Code. : 401	
Detection Limit : 0.010	
Samp/	Hg
Sex Age	ppm
Wght	w.wt
Lngt	
mm	
Repl. F/M	
year	
g	
no.	
01/ 0 M 2 107 230	18.20
02/ 0 M 3 110 260	20.70
03/ 0 M 2 120 240	19.59
04/ 0 M 2 158 250	17.30
05/ 0 F 2 163 260	17.50
06/ 0 X 2 174 260	21.50
07/ 0 M 3 187 250	19.09
08/ 0 X 2 189 300	17.59
09/ 0 X 2 190 250	19.70
10/ 0 M 2 200 250	20.09
11/ 0 M 3 213 270	20.50
12/ 0 M 4 219 340	16.80
13/ 0 M 4 244 300	21.00
14/ 0 F 3 308 300	20.60
15/ 0 X 2 310 330	17.30
16/ 0 M 6 322 350	19.89
17/ 0 M 5 482 400	16.59
18/ 0 F 4 441 340	18.30
19/ 0 F 3 533 350	21.60
20/ 0 F 5 550 420	19.40
21/ 0 M 4 552 370	19.59
22/ 0 M 8 655 470	16.90
Mean	19.08
Minim.	16.59
Maxim.	21.60
St.dev	1.61
Count	22

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sør fjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **881118**, Count: 21, Sample type: **Homogenate**.

Analytical Lab. :		NIVA	NACE					
Analysis Code. :		310	511					
Detection Limit :		0.010	0.020					
Samp/ Sex	Age Wght	Lngt	PCB					
Repl. F/M	year	g mm	ppm					
		%	w.wt					
		Dry %	Fat %					
01/ 0	X	5	339	297	21.70	0.50	0.510	0.050

Sample.No 01 : Bulk of spec.no. 1-21

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sør fjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **891228**, Count: 25, Sample type: **Individual**.

Analytical Lab. :		NIVA						
Analysis Code. :		310	0.100					
Detection Limit :		Hg						
Samp/ Sex	Age Wght	Lngt	ppm					
Repl. F/M	year	g mm	d.wt					
		%	Fat %					
		Dry %	Fat %					
06/ 0	X	2	94	190	20.17	.	0.400	
07/ 0	F	2	98	195	22.51	.	0.300	
08/ 0	F	1	149	220	21.26	.	0.600	
09/ 0	F	3	132	225	21.47	.	0.500	
10/ 0	X	3	117	230	22.66	.	0.200	
11/ 0	F	3	145	230	21.25	.	0.900	
12/ 0	M	3	140	230	21.93	.	0.200	
13/ 0	F	5	148	230	22.64	.	0.200	
14/ 0	F	2	125	235	22.24	.	1.300	
15/ 0	M	3	170	240	21.77	.	0.300	
16/ 0	M	4	195	255	21.28	.	0.300	
17/ 0	F	4	311	260	36.69	.	0.500	
18/ 0	F	7	231	270	20.53	.	0.400	
19/ 0	F	3	264	280	34.53	.	0.400	
20/ 0	M	4	332	300	21.14	.	0.400	
21/ 0	F	4	418	305	30.43	.	0.200	
22/ 0	M		378	310	29.62	.	0.400	
23/ 0	F	6	362	320	32.22	.	0.300	
24/ 0	F	3	342	320	21.14	.	1.700	
25/ 0	F	2	484	335	27.39	.	0.400	
26/ 0	F	3	426	340	21.46	.	0.400	
27/ 0	F	2	448	345	17.43	.	1.800	
28/ 0	F		378	350	22.96	.	0.700	
29/ 0	F	4	582	355	24.51	.	0.800	
30/ 0	F	5	796	365	21.26	.	0.900	
Mean		3.4	291	277	24.02	.	0.580	
Minim.		1	94	190	17.43	.	0.200	
Maxim.		7	796	365	36.69	.	1.800	
St.dev		1.4	175	54	4.88	.	0.441	
Count		23	25	25		.		25

Sample.No 06 : Digranes 15m depth.
 MUSCLE : 0014,00 g tissue used in analysis.
 Sample.No 07 : Apold 12m depth. Uncertain age determination
 MUSCLE : 0013,00 g tissue used in analysis.
 Sample.No 08 : Tyssedal 20m depth. Uncertain age determination
 MUSCLE : 0017,00 g tissue used in analysis.
 Sample.No 09 : Digranes 15m depth. Uncertain age determination
 MUSCLE : 0020,00 g tissue used in analysis.
 Sample.No 10 : Digranes 20m depth. Uncertain age determination
 MUSCLE : 0007,00 g tissue used in analysis.
 Sample.No 11 : Digranes 15m depth. Uncertain age determination
 MUSCLE : 0019,00 g tissue used in analysis.
 Sample.No 12 : Digranes 15m depth. Uncertain age determination
 MUSCLE : 0016,00 g tissue used in analysis.
 Sample.No 13 : Tyssedal 20m depth. Uncertain age determination
 MUSCLE : 0016,00 g tissue used in analysis.
 Sample.No 14 : Digranes 15m depth. One otholitt chrystallized
 MUSCLE : 0021,00 g tissue used in analysis.
 Sample.No 15 : Digranes 15m depth.
 MUSCLE : 0016,00 g tissue used in analysis.
 Sample.No 16 : Edna 20m depth. Otholitts ruined
 MUSCLE : 0022,00 g tissue used in analysis.
 Sample.No 17 : Digranes 15m depth. One otholitt edge chrystallized
 MUSCLE : 0055,00 g tissue used in analysis.
 Sample.No 18 : Digranes 20m depth.
 MUSCLE : 0021,00 g tissue used in analysis.
 Sample.No 19 : Digranes 15m depth.
 MUSCLE : 0039,00 g tissue used in analysis.
 Sample.No 20 : Digranes 15m depth.
 MUSCLE : 0037,00 g tissue used in analysis.
 Sample.No 21 : Edna 20m depth.
 MUSCLE : 0047,00 g tissue used in analysis.
 Sample.No 22 : Edna 20m depth. Otholitts chrystallized
 MUSCLE : 0043,00 g tissue used in analysis.
 Sample.No 23 : Apold 12m depth. Uncertain age determination
 MUSCLE : 0049,00 g tissue used in analysis.
 Sample.No 24 : Stana 15m depth. One otholitt, Uncertain age determination
 MUSCLE : 0042,00 g tissue used in analysis.
 Sample.No 25 : Digranes 15m depth.
 MUSCLE : 0070,00 g tissue used in analysis.
 Sample.No 26 : Stana 15m depth.
 MUSCLE : 0049,00 g tissue used in analysis.
 Sample.No 27 : Tyssedal 20m depth. Uncertain age determination
 MUSCLE : 0029,00 g tissue used in analysis.
 Sample.No 28 : Apold 12m depth. uncertain age determination.
 MUSCLE : 0048,00 g tissue used in analysis.
 Sample.No 29 : Digranes 20m depth.
 MUSCLE : 0062,00 g tissue used in analysis.
 Sample.No 30 : Stana 15m depth. Uncertain age determination
 MUSCLE : 0068,00 g tissue used in analysis.

Tab.width cont'd PLEU PLA, MU, J26, 30F Oslo City area, 921215.

•	Analytical Lab. :	NIVA	NIVA	Σ(*)	Σ(*)	Σ(*)
•	Analysis Code. :	309	309	!	!	!
	Detection Limit :	0.20	0.20	!	!	!
	Samp/ Sex Age Wght Lngt	BCHP	COR	DBP	DI	Σ6 P Σ20 PK Σ7 PAHEE
Repl. F/M year g mm		ppb	ppb	ppb	ppb	ppb
		w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 3	512 346	<0.2	<0.2	<0.2	<0.2	<0.2
02/ 0 M 3	492 348	<0.2	<0.2	<0.2	<0.2	<0.2
Mean	3.0 502 347	<<0.2	<<0.2	<<0.2	<<0.2	<<0.2
Minim.	3 492 346	<0.2	<0.2	<0.2	<0.2	<0.2
Maxim.	3 512 348	<0.2	<0.2	<0.2	<0.2	<0.2
St.dev	0.0 14 1	~0.0	~0.0	~0.0	~0.0	~0.0
Count	2 2 2	2	2	2	2	2

Sample.No 01 : Bulk of NIVA nos.:1,4,6,7,10 No.4: discolouration on ventral side
 Sample.No 02 : Bulk of NIVA nos.:2,3,5,8,9

Species : PLEU PLA, Pleuronectes platessa, GB: Plaice, N: Rødspette.
 Sample.area: J99 Undefined, Tissue : MUSCLE.
 Locality : 15B Ullerø area, Latitude: 58°03.00N, Longitude: 06°43.00E.
 Catch,date : 921215, Count: 13, Sample type: Bulkcd.
 Comment : Station name : Ullerø area

•	Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)
•	Analysis Code. :	310	341	341	341	341	341	341	!	!	!	!	!	!	!	!
	Detection Limit :	0.100	0.10	0.10	0.10	0.10	0.10	0.10	!	!	!	!	!	!	!	!
	Samp/ Sex Age Wght Lngt	Dry	Fat	Hg	CB28	CB52	CB101	CB105	CB118	CB138	CB153	CB156	CB180	CB209	CB Σ7	CB ΣΣ
Repl. F/M year g mm		%	%	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 M 4	435 330	20.30	0.50	0.022	<0.10	<0.10	<0.10	0.10	0.20	0.40	0.50	<0.10	0.10	0.10	0.10	<1.6
02/ 0 X 4	596 368	19.30	0.40	0.028	<0.10	<0.10	<0.10	0.10	0.20	0.30	0.40	<0.10	0.10	0.10	0.10	<1.3
03/ 0 X 4	777 403	22.00	0.50	0.017	<0.10	<0.10	<0.10	<0.10	0.10	0.20	0.30	<0.10	0.10	0.10	0.10	<0.8
Mean	4.0 603 367	20.53	0.47	0.022	<<0.10	<<0.10	<<0.10	0.10	0.17	0.30	0.40	<0.10	0.10	0.10	0.10	<<1.2
Minim.	4 435 330	19.30	0.40	0.017	<0.10	<0.10	<0.10	0.10	0.10	0.20	0.30	<0.10	0.10	0.10	0.10	<0.8
Maxim.	4 777 403	22.00	0.50	0.028	<0.10	<0.10	<0.10	0.10	0.20	0.40	0.50	<0.10	0.10	0.10	0.10	<1.6
St.dev	0.0 171 37	1.37	0.06	0.006	~0.00	~0.00	~0.00	0.00	0.06	0.10	0.10	~0.00	0.00	0.00	0.00	~0.4
Count	3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd PLEU PLA, MU, J99, 15B Ullerø area, 921215.

•	Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)	Σ(*)
•	Analysis Code. :	341	341	341	341	341	341	341	!	!	!	!	!	!	!	!
	Detection Limit :	0.10	0.10	0.10	0.10	0.10	0.10	0.10	!	!	!	!	!	!	!	!
	Samp/ Sex Age Wght Lngt	QCB	OCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS	QCS
Repl. F/M year g mm		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 M 4	435 330	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
02/ 0 X 4	596 368	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
03/ 0 X 4	777 403	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Mean	4.0 603 367	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10	<<0.10
Minim.	4 435 330	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Maxim.	4 777 403	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
St.dev	0.0 171 37	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00	~0.00
Count	3 3 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Sample.No 01 : Bulk of NIVA nos.:1,2,3,4,5 No.2: Muscle with signs of inner bleeding
 Sample.No 02 : Bulk of NIVA nos.:6,7,8,9,10 No.8: red spots on ventral side
 Sample.No 03 : Bulk of NIVA nos.:11,12,13

Species : **POLL POL**, Pollachius pollachius, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **851127**, Count: 16, Sample type: **Homogenate**.
 Comment : **POLL POL = POLLACHIUS POLLACHIUS** All samples were infected with metacercari of Cryptocotyle lingua on skin tissue.

Analytical Lab. :	VEIN	VEIN	VEIN	Σ (*)	VEIN
Analysis Code. :	230	210	210	!	210
Detection Limit :	0.010	0.050	50.00	!	10.00
Samp/ Sex Age Wght Inrgt	Cd	PCB	DDEPP	DD Σ4	HCB
Repl. F/M year g mm	ppm	ppm	ppb	ppb	ppb
	w.wt	w.wt	w.wt	w.wt	w.wt
17/ 1 X 3 1351 501	4.7	71.10	61.70	0.070	0.790
17/ 2	4.7	71.10	61.70	0.070	0.870
Mean	4.7	71.10	61.70	0.070	0.830
Minimum.	4.7	71.10	61.70	0.070	0.830
Maximum.	4.7	71.10	61.70	0.070	0.830
St. dev					
Count	1	1	1	1	1

Sample.No 17 : Weight and age statistics based on 15 (not 16) fish. Bulk livers of fish 01-10: min.=26.0, max.=158.2, sd.=42.78g
 LIVER : Dry weight reanalysis = 71.2%. Ext. lipid reanalysis = 70.2%.

Species : **POLL POL**, Pollachius pollachius, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 1, Sample type: **Individual**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	Σ (*)	NACE	Σ (*)	NACE	Σ (*)	NACE
Analysis Code. :	312	311	312	311	311	510	!	510	!	510	!	510
Detection Limit :	0.030	0.150	0.150	0.040	3.00	20.00	!	40.00	!	30.00	!	10.00
Samp/ Sex Age Wght Inrgt	Cd	Cu	Pb	Zn	PCB	DDEPP	DD Σ4	HCHG	HC Σ2	HCB	EPOCL	HCB
Repl. F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 M 540 410	12.3	63.96	58.70	0.130	15.800	0.250	59.80	0.620	140.00	90.00	230.00	50.00
												50.00
												40.00
												10.200

Sample.No 01 : Skin with metacercari of cf. Cryptocotyle lingua. Internal organs with signs of decomposition.

Species : **POLL POL**, Pollachius pollachius, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 7, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	Σ (*)	NACE	Σ (*)	NACE	Σ (*)	NACE
Analysis Code. :	312	311	312	311	311	510	!	510	!	510	!	510
Detection Limit :	0.030	0.150	0.150	0.040	3.00	40.00	!	40.00	!	40.00	!	40.00
Samp/ Sex Age Wght Inrgt	Cd	Cu	Pb	Zn	PCB	DDEPP	DD Σ4	HCHG	HC Σ2	HCB	EPOCL	HCB
Repl. F/M year g mm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm
	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 4 1324 511	79.10	60.00	0.030	2.920	<.130	22.50	1.200	140.00	90.00	230.00	<40.00	<40.00
												7.000

Sample.No 01 : Bulk of spec.no. 1-7

Species : **POLL POL**, *Pollachius pollachius*, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **851127**, Count: 16, Sample type: **Individual**.
 Comment : **POLL POL = POLLACHIUS POLLACHIUS** All samples were infected with metacercari of *Cryptocotyle lingua* on skin tissue.

Analytical Lab. :			VETN			VETN		
Analysis Code. :			220			211		
Detection Limit :			0.010			0.050		
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	Hg	PCB
Repl.	F/M	year	g	mm	%	%	ppm	ppm
no.							d.wt	w.wt
01/	0	M	3	2042	570	20.70	0.070	<0.050
02/	0	M	5	2656	650	19.70	0.070	<0.050
03/	0	F	4	846	420	25.20	0.040	<0.050
04/	0	M	3	1011	470	20.30	0.040	<0.050
05/	0	F	3	842	440	22.50	0.030	<0.050
06/	0	F	3	440	440	23.50	0.050	<0.050
07/	0	F	3	1006	450	23.30	0.030	<0.050
08/	0	F	4	2256	590	22.30	0.050	<0.050
09/	0	F	4	1541	520	21.70	0.070	<0.050
10/	0	F	4	1395	590	22.60	0.050	<0.050
11/	0	F	4	1212	500	23.20	0.050	<0.050
12/	0	F	4	1331	510	21.40	0.060	<0.050
13/	0	M	4	1048	480	22.00	0.040	<0.050
14/	0	F	4	1194	490	20.40	0.040	<0.050
15/	0	F	4	879	430	20.50	0.030	<0.050
16/	0	F	4	1010	460	22.70	0.040	<0.050
Mean			3.7	1351	501	22.00	0.048	<<.050
Minim.			3	842	420	19.70	0.030	<0.050
Maxim.			5	2656	650	25.20	0.070	<0.050
St.dev			0.6	552	67	1.46	0.014	~0.000
Count			15	15	16	16	16	16

Sample.No 01 : Surface of liver with a few Anisakis larvae
 Sample.No 02 : Surface of liver with a few Anisakis larvae
 Sample.No 03 : Surface of liver with a few Anisakis larvae
 Sample.No 05 : Surface of liver with a few Anisakis larvae
 Sample.No 07 : Surface of liver with a few Anisakis larvae
 Sample.No 08 : Surface of liver with a few Anisakis larvae
 Sample.No 10 : Surface of liver with a few Anisakis larvae
 Sample.No 13 : Surface of liver with a few Anisakis larvae

Species : **POLL POL**, *Pollachius pollachius*, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **861118**, Count: 1, Sample type: **Individual**.

Analytical Lab. :			NIVA			NACE		
Analysis Code. :			310			511		
Detection Limit :			0.010			0.020		
Samp/	Sex	Age	Wght	Lngt	Dry	Fat	Hg	PCB
Repl.	F/M	year	g	mm	%	%	ppm	ppm
no.							d.wt	w.wt
01/	0	M	540	410	21.18	0.140	0.040	0.040

Sample.No 01 : Skin with metacercari of cf. *Cryptocotyle lingua*. Internal organs with signs of decomposition.

Species : **POLL POL**, Pollachius pollachius, GB: Pollack, N: Lyr.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 7, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NACE
Analysis Code. :	310	511
Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Fat	P C B
Repl. F/M year g mm	%	ppm
no.	d.wt	w.wt
01/ 0 X 4 1324 511	22.40	0.20 0.160 <0.020

Sample.No 01 : Bulk of spec.no. 1-7

Species : **POLL VIR**, Pollachius virens, GB: Saithe, N: Sei.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **LIVER**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 3, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NIVA	NIVA	NIVA	NIVA	NACE	NACE	Σ (*)	Σ (*)	NACE	NACE
Analysis Code. :	312	311	312	311	311	510	510	!	!	510	510
Detection Limit :	0.030	0.150	0.150	3.00	0.040	40.00	40.00	!	!	40.00	40.00
Samp/ Sex Age Wght Lngt	Dry	Fat	Pb	Zn	P C B	DDEPP	DDTTP	DD_Σ4	HCHG	HC_Σ2	H C B
Repl. F/M year g mm	%	%	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb
no.	d.wt	d.wt	d.wt	d.wt	d.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt
01/ 0 X 2 1079 465	80.60	64.30	0.020	8.730	0.120	26.70	0.510	70.00	<40.00	<40.00	<40.00
											1.480

Sample.No 01 : BULK OF SPEC.NO. 1-3

Species : **POLL VIR**, Pollachius virens, GB: Saithe, N: Sei.
 Sample.area: **J65 Orkdalsfjorden**, Tissue : **MUSCLE**.
 Locality : **84B Trossavika**, Latitude: 63°20.80N, Longitude: 09°57.80E.
 Catch,date : **881117**, Count: 3, Sample type: **Homogenate**.

Analytical Lab. :	NIVA	NACE
Analysis Code. :	310	511
Detection Limit :	0.010	0.020
Samp/ Sex Age Wght Lngt	Fat	P C B
Repl. F/M year g mm	%	ppm
no.	d.wt	w.wt
01/ 0 X 2 1079 465	23.00	0.20 0.020 <0.020

Sample.No 01 : BULK OF SPEC.NO. 1-3

Species : **SALM TRU**, Salmo trutta, GB: Sea trout, N: Sjøørret.
 Sample.area: **J63 Sørfjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **901001**, Count: 10, Sample type: **Individual**.
 Comment : Uncertain catch date. Frozen before preparation.

Analytical Lab. :	NIVA		NIVA		NIVA	
	312	311	312	311	312	311
Analysis Code. :	0.010	0.150	0.050	0.050	0.050	3.00
Detection Limit :						
Samp/ Sex Age	Weight	Dry %	Fat %	Cd ppm	Cu ppm	Pb ppm
Repl. F/M year	g			ppm	ppm	ppm
no.	w.wt			w.wt	w.wt	w.wt
01/ 0 F 4 332 360	2.7 26.90			0.322 203.000	0.210	152.00
02/ 0 M 5 642 380	6.5 42.90			0.688 70.300	0.150	49.20
03/ 0 F 6 529 350	4.8 37.90			0.110 71.300	0.200	95.70
04/ 0 M 4 596 340	8.6 29.90			0.117 31.000	0.170	48.50
05/ 0 F 6 512 360	5.3 38.10			0.724 66.300	0.160	46.20
06/ 0 F 726 380	12.6 32.00			0.636 27.400	0.180	41.10
07/ 0 M 6 548 340	5.4 31.10			0.591 119.000	0.200	61.90
08/ 0 F 5 425 320	4.6 28.70			0.467 14.100	0.180	75.60
09/ 0 F 6 402 330	8.2 28.00			0.320 71.900	0.270	51.90
10/ 0 F 4 452 320	5.6 30.50			0.182 29.300	0.270	62.10
Mean	5.1 32.60			0.416 70.360	0.199	68.42
Minim.	2.7 26.90			0.110 14.100	0.150	41.10
Maxim.	12.6 42.90			0.724 203.000	0.270	152.00
St.dev	2.8 5.25			0.237 56.001	0.042	33.57
Count	10 10			10 10	10	10

Sample.No 01 : NIVA no. 09.
 Sample.No 02 : NIVA no. 02.
 Sample.No 03 : NIVA no. 05.
 Sample.No 04 : NIVA no. 07.
 Sample.No 05 : NIVA no. 04.
 Sample.No 06 : NIVA no. 01.
 Sample.No 07 : NIVA no. 03.
 Sample.No 08 : NIVA no. 06.
 Sample.No 09 : NIVA no. 08.
 Sample.No 10 : NIVA no. 10.

Species : **SALM TRU**, Salmo trutta, GB: Sea trout, N: Sjøørret.
 Sample.area: **J63 Sørfjorden**, Tissue : **LIVER**.
 Locality : **53B Inner Sørfjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
 Catch,date : **901001**, Count: 10, Sample type: **Bulked**.
 Comment : Uncertain catch date. Frozen before preparation.

Analytical Lab. :	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA			
	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340		
Analysis Code. :	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Detection Limit :																				
Samp/ Sex Age	Weight	Dry %	Fat %	CB28 ppm	CB52 ppm	CB101 ppm	CB118 ppm	CB138 ppm	CB153 ppm	CB180 ppm	CB209 ppm	CB Σ7 ppm	CB ΣΣ ppm	DOEPP ppm	TDPEPP ppm	DD ΣA ppm	DD ΣA ppm	DD ΣA ppm	DD ΣA ppm	
Repl. F/M year	g			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
no.	w.wt			w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	w.wt	
11/ 0 H 5 522 358	5.6 35.10	4.30	6.20	<1.00	<1.00	1.00	1.00	10.00	1.00	1.00	<1.00	<15.0	<15.0	14.00	miss	miss	14.00	<1.00	<1.00	
12/ 0 H 6 511 338	7.3 30.00	8.10	4.30	1.00	<1.00	2.00	2.00	17.00	4.00	2.00	1.00	<30.0	<30.0	46.00	46.00	46.00	2.00	2.00	<1.00	
Mean	6.4 32.55	6.20	6.20	<<1.00	<<1.00	1.50	1.50	13.50	2.50	1.50	<<1.00	<<22.5	<<22.5	30.00	.	.	30.00	<<1.00	<<1.50	
Minim.	5.6 30.00	4.30	4.30	<1.00	<1.00	1.00	1.00	10.00	1.00	1.00	<1.00	<15.0	<15.0	14.00	.	.	14.00	<1.00	<1.00	
Maxim.	7.3 35.10	8.10	8.10	1.00	<1.00	2.00	2.00	17.00	4.00	2.00	1.00	<30.0	<30.0	46.00	.	.	46.00	2.00	2.00	
St.dev	1.2 3.61	2.69	2.69	~0.00	~0.00	0.71	0.71	4.95	2.12	0.71	~0.00	~9.9	~10.6	22.63	.	.	22.63	0.71	~0.71	
Count	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2

miss(2) ! Missing value.

Tab.width cont'd **SALM TRU, LI, J63, 53B Inner Sør fjord, 901001.**

Analytical Lab. :	NIVA	
Analysis Code. :	615	
Detection Limit :	0.040	
Samp/ Sex Age Wght Lngt	EPOCL	
Repl. F/M year	g	mm
no.	ppm	w.wt
11/ 0 H 5 522 358	1.630	
12/ 0 H 6 511 338	1.590	
Mean	5.5	517 348
Minim.	5	511 338
Maxim.	6	522 358
St.dev	0.7	8 14
Count	2	2 2

Sample.No 11 : NIVA no. 09.02.05.07.04.
Sample.No 12 : NIVA no. 01.03.06.08.10.

Species : **SALM TRU**, Salmo trutta, GB: Sea trout, N: Sjøørret.
Sample.area: **J63 Sør fjorden**, Tissue : **MUSCLE**.
Locality : **53B Inner Sør fjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.
Catch,date : **901001**, Count: 10, Sample type: **Individual**.
Comment : Uncertain catch date. Frozen before preparation.

		NIVA	
		310	
		0.010	Hg
Samp/ Sex Age Wght Lngt	Repl. F/M year	Dry %	Fat %
no.	g	mm	ppm
			w.wt
01/ 0 F 4 332 360		25.90	0.030
02/ 0 M 5 642 380		28.50	0.140
03/ 0 F 6 529 350		26.70	0.070
04/ 0 M 4 596 340		26.60	0.070
05/ 0 F 6 512 360		28.20	0.060
06/ 0 F 726 380		27.20	0.160
07/ 0 M 6 548 340		26.10	0.140
08/ 0 F 5 425 320		24.80	0.100
09/ 0 F 6 402 330		26.70	0.140
10/ 0 F 4 452 320		26.40	0.090
Mean	5.1	516 348	0.100
Minim.	4	332 320	0.030
Maxim.	6	726 380	0.160
St.dev	0.9	119 22	0.043
Count	9	10 10	10

Sample.No 01 : NIVA no. 09.
Sample.No 02 : NIVA no. 02.
Sample.No 03 : NIVA no. 05.
Sample.No 04 : NIVA no. 07.
Sample.No 05 : NIVA no. 04.
Sample.No 06 : NIVA no. 01.
Sample.No 07 : NIVA no. 03.
Sample.No 08 : NIVA no. 06.
Sample.No 09 : NIVA no. 08.
Sample.No 10 : NIVA no. 10.



Norwegian Institute for Water Research
P.O.Box 173, Kjelsås N-0411 Oslo, Norway
Phone: + 47 22 18 51 00 Fax: + 47 22 18 52 00
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