



Norwegian State Pollution Monitoring Programme

Report 584/94

Client State Pollution Control Authority

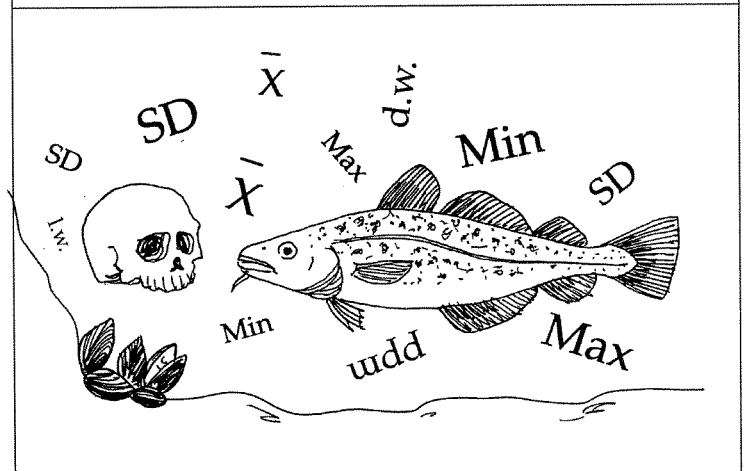
Contractor NIVA

Summary statistics for contaminants in shellfish and fish 1981-92




The Joint Monitoring Programme (JMP)

Norwegian Biota Data



NIVA - REPORT

Norwegian Institute for Water Research  NIVA

Report No.:	Sub-No.:
O-80106	
Serial No.:	Limited distrib.:
3176	

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Report Title: Summary statistics contaminants in shellfish and fish 1981-92 Joint Monitoring Programme (JMP) Norwegian biota data. (Norwegian State Pollution Monitoring Programme Report no. 584/94. TA-no. 1155/1994)	Date: Printed: NIVA 1995
Author(s): Norman W.Green Audun Rønningen	Topic group: Marine ecology
	Geographical area: Oslofjord to Lofoten
	Pages: Edition: 167

Client(s): Norwegian State Pollution Control Authority (SFT)	Client ref.:
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Abstract: This report is a compilation of data and summary statistics 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. Concentrations exceeding selected limits are flagged.
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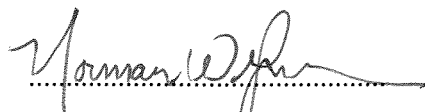
4 keywords, Norwegian

1. Miljøgifter
2. Organismer
3. Marin
4. Norge

4 keywords, English

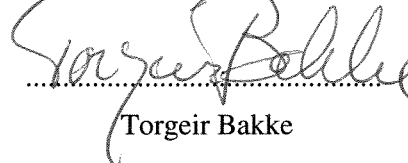
1. Contaminants
2. Organisms
3. Marine
4. Norway

Project manager



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For the Administration



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82-577-2657-5

Norwegian Institute for Water Research

**Summary statistics for 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 (a division thereof, 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.

Please note that for assumed "normal" concentrations to which the results are compared there is a current need to update these in the light of recent data and improved analytical techniques. This is especially relevant for PAHs, PCBs and other chlororganic compounds, but also some metal values.

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*

Contents

1. Background and aims	4
2. Sampling	5
3. Analyses	9
4. Variables.....	10
5. Analytical laboratories	14
6. Comment on quality assurance and detection limit	15
7. Explanation of Tables A, B and C.....	15
8. References	16
TABLE A ASSUMED LIMITS for CONTAMINANTS	19
TABLE B SHELLFISH 1981-92 Mean concentrations.....	47
TABLE C FISH 1981-92 Mean concentrations	103

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).

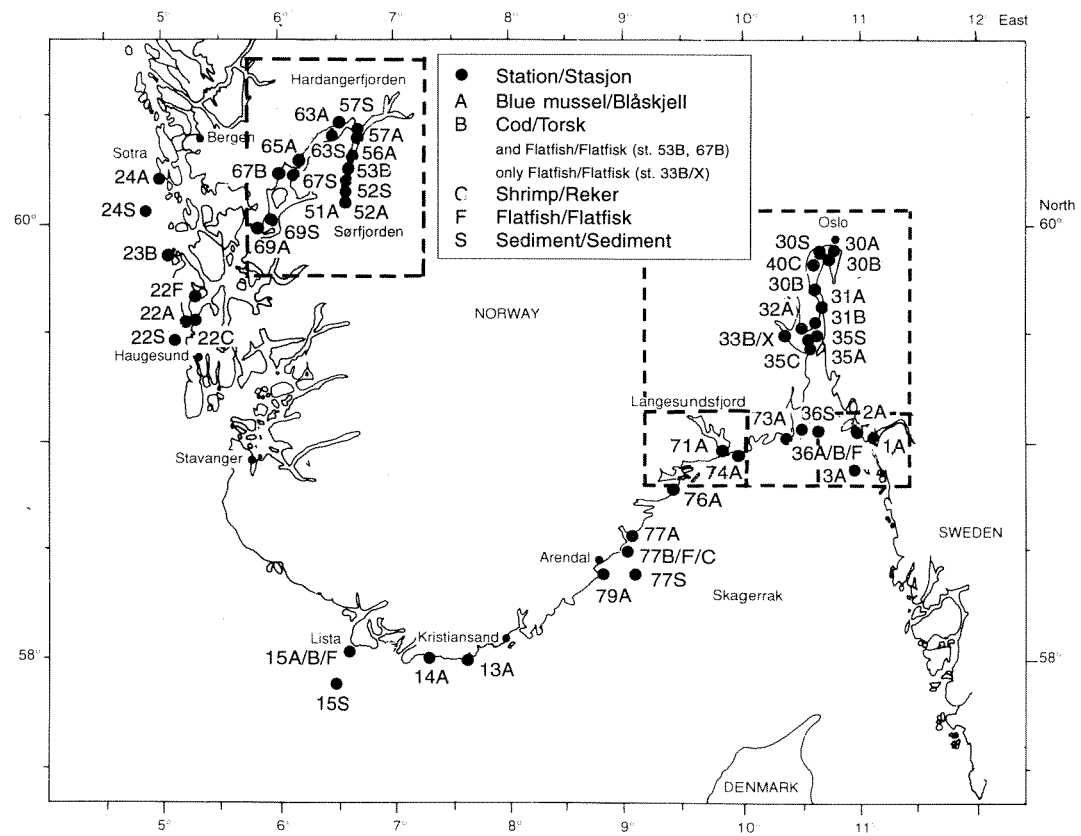
The sampling of biota has followed the ICES guidelines (ICES 1986, 1992) as closely as possible. For historical reason three size-groups of **mussels** (*Mytilus edulis*) have been sampled from most of the stations. The size classes were: 2-3, 3-4 and, 4-5cm. Fifty individuals were collected for each 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 (deuration) 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 deuration the mussels were shucked and frozen. The deuration 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).

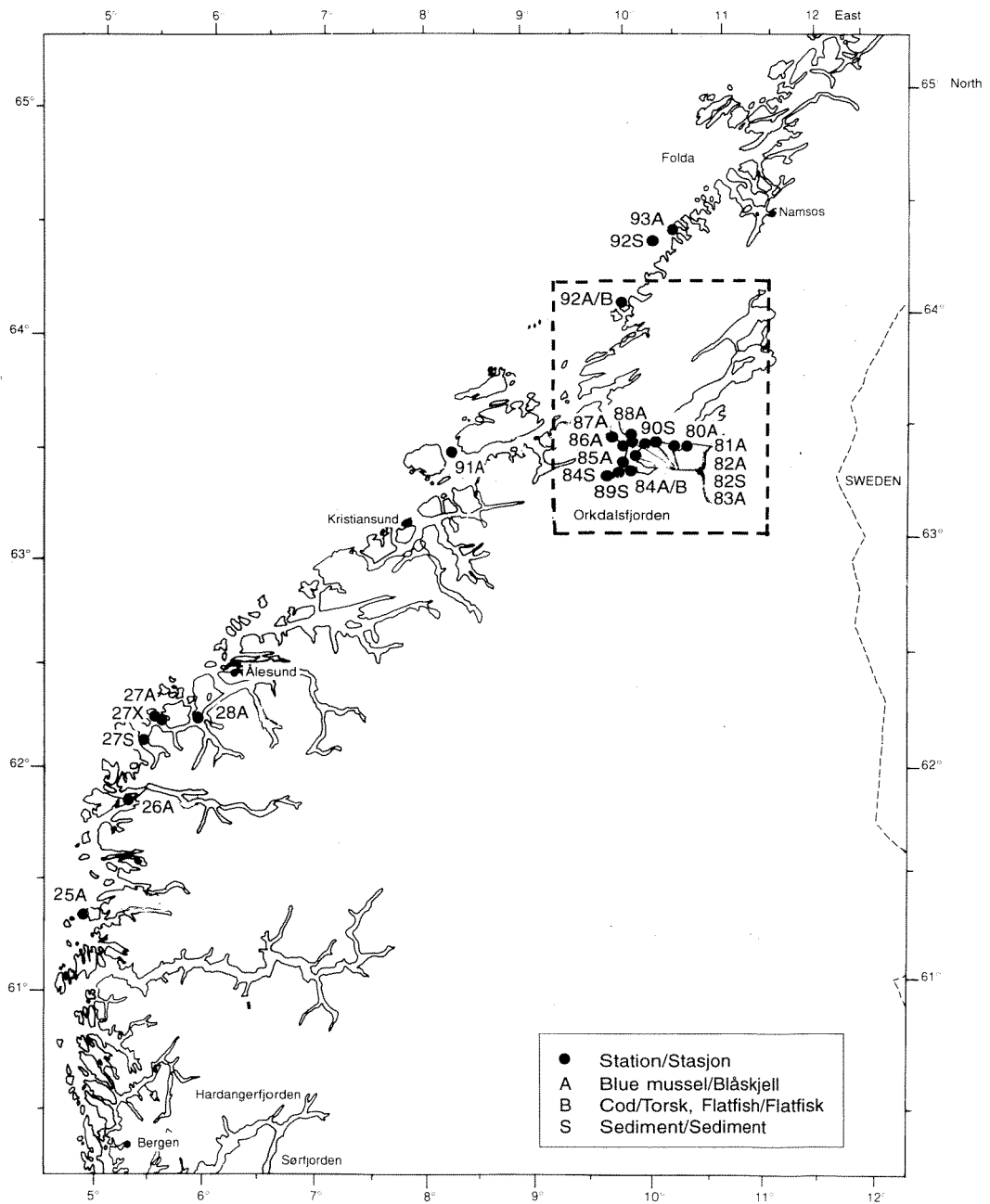
Routinely, **cod** (*Gadus morhua*) and one flatfish species was sampled. An attempt was made to collect the same species at each station each sampling year. The order of preference for flatfish species was: **dab** (*Limanda limanda*), **flounder** (*Platichthys flesus*) and **plaice** (*Pleuronectes platessa*). At one station (St.67B in the Hardangerfjord) the only flatfish in abundance was **megrin** (*Lepidorhombus whiff-iagonis*) 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

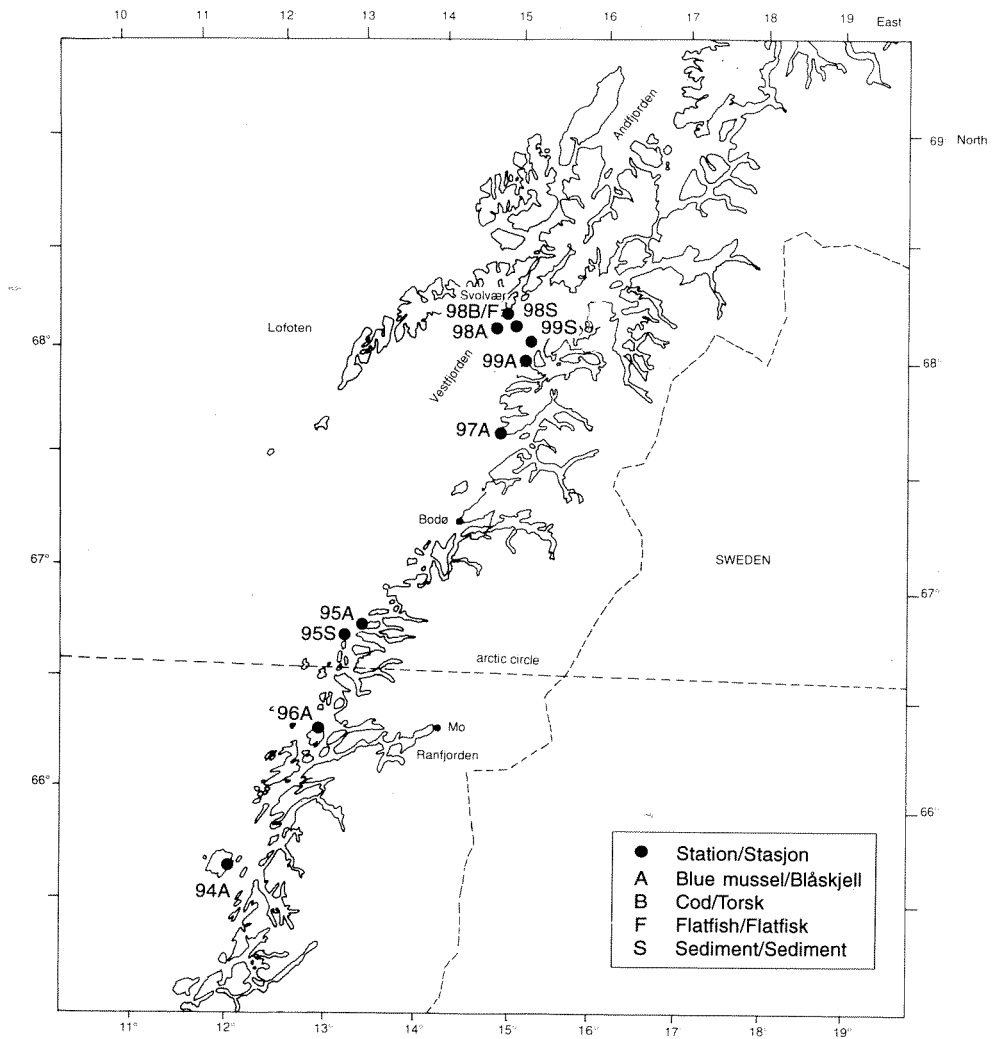
Two samples of 100 individuals of **Shrimp** (*Pandalus borealis*) were collected as supplementary data to assess possible health risk to the consumption of marin organisms.



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 Ranfjorden 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>antracen</i>
BAA ³	benz(a)anthracene	<i>benz(a)antracen</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)antracen</i>
DBP	dibenzopyrener	<i>dibenzopyren</i>
DBT	dibenzothiophene	<i>dibenzothiofen</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 CBe, 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>diklordifenyiltrikloretan</i> <i>1,1,1-trikloro-2,2-bis-(4-klorofenyl)etan</i>
DDEOP	o,p'-DDE	<i>o,p'-DDE</i>
DDEPP	p,p'-DDE	<i>p,p'-DDE</i>
DDTOP	o,p'-DDT	<i>o,p'-DDT</i>
DDTPP	p,p'-DDT	<i>p,p'-DDT</i>
TDEOP	o,p'-DDD	<i>o,p'-DDD</i>
TDEPP	p,p'-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 benzenehexachloride, outdated synonym)	<i>lindan γHCH = gamma heksaklorsyκλοheksan (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 intercalibration exercises and analyses of the standard reference material is discussed in part in the annual National Comments.

The detection 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, B and C

Table A presents the assumed limits for contaminants in various species and tissues for:

Assumed "high background" (Normal)

Assumed maximum concentration to marine foods (Food)

Assumed risk level based on excessive diet of marine food (Risky)

Table B and **Table C** presents mean concentration of the contaminants found in shellfish (blue mussel and shrimp) and fish, respectively. The values exceeding one or more of the above limits are flagged. All data are on a **wet weight** basis. 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 table)

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

ASSUMED LIMITS

for

CONTAMINANTS

Please note that there is a current need to update these limits in the light of recent data and improved analytical techniques. This is especially relevant for PAHs, PCBs and other chlororganic compounds, but also some metal values.

LIMIT-CHECK-file; I:\TPX\JMG\LIM\NI941229.SHL

03/01-95

SHELL-FISH limits in P P M for M Y T I E D U (Mytilus edulis, GB: Blue mussel, N: Blåskjell).

Tissue : **WHOLE SOFT BODY.** (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	0.3000 ah	-	-	0.5000 ha	-	-	21.0000 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	2.0000 ad	-	-	20.0000 qa	-	-	-	-	-
Hg	0.0300 ah	-	-	0.3000 ha	-	-	22.0000 m	-	-
Mn	5.0000 ai	-	-	-	-	-	-	-	-
Ni	1.0000 a	-	-	-	-	-	-	-	-
Pb	0.5000 ah	-	-	0.5000 hd	-	-	215.0000 ma	-	-
Se	1.0000 af	-	-	-	-	-	-	-	-
Zn	30.0000 ai	-	-	50.0000 qa	-	-	-	-	-
PCB	0.0100 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.0800 hi	-	-	-	-	-
CB52	-	-	-	0.0800 hi	-	-	-	-	-
CB101	-	-	-	0.0800 hi	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	0.1000 hi	-	-	-	-	-
CB153	-	-	-	0.1000 hi	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.0800 hi	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	0.0050 b	-	-	0.5600 hj	-	-	-	-	-
CB_ΣΣ	0.0050 b	-	-	0.5600 hj	-	-	-	-	-
DDEPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DDTPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	0.0020 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	0.0010 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	0.0010 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	0.0010 b	-	-	0.0500 c	-	-	-	-	-
HCB	0.0002 b	-	-	0.0500 ja	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	?0.1000 na	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	?0.0010 b	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	?0.0500 pa	-	-	-	-	-	-	-	-
PAH	0.0500 pb	-	-	-	-	-	-	-	-

?(3)

! Limit is uncertain.

LIMIT-CHECK-file; I:\TPX\JMG\LIM\NI941229.FSH

03/01-95

FISH limits in P P M for G A D U M O R (Gadus morhua, GB: Cod, N: Torsk).
 Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	0.0200 a	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	0.5000 a	-	-	-	-	-	-	-	-
Hg	0.1000 b	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	?0.5000 a	-	-	-	-	-	-	-	-
Ni	?0.2000 a	-	-	-	-	-	-	-	-
Pb	0.0100 aa	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	?0.5000 af	-	-	-	-	-	-	-	-
Zn	5.0000 ab	-	-	-	-	-	-	-	-
PCB	0.0100 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	0.0050 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	0.0050 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DDTPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	0.0020 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	0.0020 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	0.0005 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	0.0005 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	0.0005 b	-	-	0.0500 c	-	-	-	-	-
HCB	0.0002 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	?0.0005 a	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	?0.0100 pa	-	-	-	-	-	-	-	-
PAH	?0.0100 p	-	-	-	-	-	-	-	-

?(6)

! Limit is uncertain.

FISH limits in P P M for G A D U M O R (Gadus morhua, GB: Cod, N: Torsk).
Tissue : LIVER. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	0.1000 b	-	-	0.1000 ia	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	20.0000 b	-	-	-	-	-	-	-	-
Hg	?0.1000 a	-	-	0.3000 ie	-	-	-	-	-
Mn	?2.0000 a	-	-	-	-	-	-	-	-
Ni	?0.5000 af	-	-	-	-	-	-	-	-
Pb	0.1000 b	-	-	1.0000 if	-	-	-	-	-
Se	?3.0000 af	-	-	-	-	-	-	-	-
Zn	30.0000 b	-	-	-	-	-	-	-	-
PCB	1.0000 b	-	-	5.0000 id	-	-	-	-	-
CB28	-	-	-	1.5000 hf	-	-	-	-	-
CB52	-	-	-	0.6000 hf	-	-	-	-	-
CB101	-	-	-	1.2000 hf	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	1.2000 hf	-	-	-	-	-
CB138	-	-	-	1.5000 hf	-	-	-	-	-
CB153	-	-	-	1.5000 hf	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	2.0000 hf	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	0.5000 b	-	-	2.0000 hg	-	-	-	-	-
CB_ΣΣ	0.5000 b	-	-	2.0000 hh	-	-	-	-	-
DDEPP	0.2000 c	-	-	0.5000 jc	-	-	-	-	-
DDTTP	0.2000 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	0.2000 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	0.2000 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	0.2000 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	0.0500 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	0.0500 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	0.0500 b	-	-	0.0500 c	-	-	-	-	-
HCB	0.0200 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(4)

! Limit is uncertain.

FISH limits in P P M for P L A T F L E (Platichthys flesus, GB: Flounder, N: Skrubbe).
Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	0.0200 a	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?1.0000 a	-	-	-	-	-	-	-	-
Hg	0.1000 b	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	?0.4000 a	-	-	-	-	-	-	-	-
Ni	0.4000 a	-	-	-	-	-	-	-	-
Pb	0.0100 aa	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	0.5000 af	-	-	-	-	-	-	-	-
Zn	?10.0000 a	-	-	-	-	-	-	-	-
PCB	?0.0070 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0050 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	?0.0050 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DDTTP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	?0.0030 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	?0.0010 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	?0.0010 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	?0.0010 b	-	-	0.0500 c	-	-	-	-	-
HCB	?0.0002 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	?0.0010 a	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	?0.0100 pm	-	-	-	-	-	-	-	-
PAH	?0.0100 p	-	-	-	-	-	-	-	-

?(18)

! Limit is uncertain.

FISH limits in P P M for P L A T F L E (Platichthys flesus, GB: Flounder, N: Skrubbe).
Tissue : LIVER. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.3000 b	-	-	-	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?30.0000 b	-	-	-	-	-	-	-	-
Hg	?0.2000 a	-	-	-	-	-	-	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	?0.3000 b	-	-	-	-	-	-	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?60.0000 b	-	-	-	-	-	-	-	-
PCB	?0.1500 b	-	-	-	-	-	-	-	-
CB28	-	-	-	-	-	-	-	-	-
CB52	-	-	-	-	-	-	-	-	-
CB101	-	-	-	-	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	-	-	-	-	-	-
CB153	-	-	-	-	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	-	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.1000 b	-	-	-	-	-	-	-	-
CB_ΣΣ	?0.1000 b	-	-	-	-	-	-	-	-
DDEPP	?0.0300 c	-	-	-	-	-	-	-	-
DDTTP	?0.0300 c	-	-	-	-	-	-	-	-
DDTEP	?0.0300 c	-	-	-	-	-	-	-	-
TDEPP	?0.0300 c	-	-	-	-	-	-	-	-
DD_Σ4	?0.0300 b	-	-	-	-	-	-	-	-
HCHA	?0.0100 c	-	-	-	-	-	-	-	-
HCHG	?0.0100 c	-	-	-	-	-	-	-	-
HC_Σ2	?0.0100 b	-	-	-	-	-	-	-	-
HCB	?0.0050 b	-	-	-	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(17)

! Limit is uncertain.

FISH limits in **P P M** for **L I M A L I M** (Limanda limanda, GB: Dab, N: Sandflyndre).
Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	-	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	-	-	-	-	-	-	-	-	-
Hg	?0.1000 b	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	-	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	-	-	-	-	-	-	-	-	-
PCB	?0.0150 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0100 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	?0.0100 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DDTTPP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	?0.0030 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	?0.0030 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	?0.0015 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	?0.0015 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	?0.0015 b	-	-	0.0500 c	-	-	-	-	-
HCB	?0.0003 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(13)

! Limit is uncertain.

FISH limits in **P P M** for **L I M A L I M** (Limanda limanda, GB: Dab, N: Sandflyndre).
Tissue : **LIVER.** (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.3000 b	-	-	-	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?10.0000 b	-	-	-	-	-	-	-	-
Hg	-	-	-	-	-	-	-	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	?0.3000 b	-	-	-	-	-	-	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?50.0000 b	-	-	-	-	-	-	-	-
PCB	?0.7000 b	-	-	-	-	-	-	-	-
CB28	-	-	-	-	-	-	-	-	-
CB52	-	-	-	-	-	-	-	-	-
CB101	-	-	-	-	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	-	-	-	-	-	-
CB153	-	-	-	-	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	-	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.5000 b	-	-	-	-	-	-	-	-
CB_ΣΣ	?0.5000 b	-	-	-	-	-	-	-	-
DDEPP	?0.1000 c	-	-	-	-	-	-	-	-
DDTPP	?0.1000 c	-	-	-	-	-	-	-	-
DDTEP	?0.1000 c	-	-	-	-	-	-	-	-
TDEPP	?0.1000 c	-	-	-	-	-	-	-	-
DD_Σ4	?0.1000 b	-	-	-	-	-	-	-	-
HCHA	?0.0300 c	-	-	-	-	-	-	-	-
HCHG	?0.0300 c	-	-	-	-	-	-	-	-
HC_Σ2	?0.0300 b	-	-	-	-	-	-	-	-
HCB	?0.0100 b	-	-	-	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(16)

! Limit is uncertain.

FISH limits in **PPM** for **PLEU PLA** (Pleuronectes platessa, GB: Plaice, N: Rødspette).
Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.0200 f	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?1.0000 f	-	-	-	-	-	-	-	-
Hg	?0.1000 b	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	?0.2000 f	-	-	-	-	-	-	-	-
Ni	?0.3000 f	-	-	-	-	-	-	-	-
Pb	?0.0100 f	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?8.0000 f	-	-	-	-	-	-	-	-
PCB	?0.0030 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0020 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	?0.0020 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DDTPP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	?0.0010 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	?0.0005 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	?0.0005 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	?0.0005 b	-	-	0.0500 c	-	-	-	-	-
HCB	?0.0001 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	?0.0010 a	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	?0.0100 pa	-	-	-	-	-	-	-	-
PAH	?0.0100 p	-	-	-	-	-	-	-	-

?(22)

! Limit is uncertain.

FISH limits in **PPM** for **PLEU PLA** (Pleuronectes platessa, GB: Plaice, N: Rødspette).
Tissue : **LIVER.** (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.2000 b	-	-	-	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?10.0000 b	-	-	-	-	-	-	-	-
Hg	?0.1000 f	-	-	-	-	-	-	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	?0.2000 b	-	-	-	-	-	-	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?50.0000 b	-	-	-	-	-	-	-	-
PCB	?0.0700 b	-	-	-	-	-	-	-	-
CB28	-	-	-	-	-	-	-	-	-
CB52	-	-	-	-	-	-	-	-	-
CB101	-	-	-	-	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	-	-	-	-	-	-
CB153	-	-	-	-	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	-	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0500 b	-	-	-	-	-	-	-	-
CB_ΣΣ	?0.0500 b	-	-	-	-	-	-	-	-
DDEPP	?0.0100 c	-	-	-	-	-	-	-	-
DDTPP	?0.0100 c	-	-	-	-	-	-	-	-
DDTEP	?0.0100 c	-	-	-	-	-	-	-	-
TDEPP	?0.0100 c	-	-	-	-	-	-	-	-
DD_Σ4	?0.0100 b	-	-	-	-	-	-	-	-
HCHA	?0.0050 c	-	-	-	-	-	-	-	-
HCHG	?0.0050 c	-	-	-	-	-	-	-	-
HC_Σ2	?0.0050 b	-	-	-	-	-	-	-	-
HCB	?0.0050 b	-	-	-	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(17)

! Limit is uncertain.

FISH limits in **PPM** for **MICR KIT** (Microstomus kitt, GB: Lemon sole, N: Lomre).
Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	Normal			Food			Risky		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	-	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	-	-	-	-	-	-	-	-	-
Hg	?0.1000 b	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	-	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	-	-	-	-	-	-	-	-	-
PCB	?0.0030 b	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0020 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	?0.0020 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DDTTP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	?0.0010 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	?0.0010 b	-	-	0.5000 jc	-	-	-	-	-
HCHA	?0.0003 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	?0.0003 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	?0.0003 b	-	-	0.0500 c	-	-	-	-	-
HCB	?0.0001 b	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(13)

! Limit is uncertain.

FISH limits in P P M for M I C R K I T (Microstomus kitt, GB: Lemon sole, N: Lomre).
Tissue : LIVER. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.3000 b	-	-	-	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?20.0000 b	-	-	-	-	-	-	-	-
Hg	-	-	-	-	-	-	-	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	?0.1000 b	-	-	-	-	-	-	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?70.0000 b	-	-	-	-	-	-	-	-
PCB	?0.1500 b	-	-	-	-	-	-	-	-
CB28	-	-	-	-	-	-	-	-	-
CB52	-	-	-	-	-	-	-	-	-
CB101	-	-	-	-	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	-	-	-	-	-	-
CB153	-	-	-	-	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	-	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.1000 b	-	-	-	-	-	-	-	-
CB_ΣΣ	?0.1000 b	-	-	-	-	-	-	-	-
DDEPP	?0.0300 c	-	-	-	-	-	-	-	-
DDTTP	?0.0300 c	-	-	-	-	-	-	-	-
DDTEP	?0.0300 c	-	-	-	-	-	-	-	-
TDEPP	?0.0300 c	-	-	-	-	-	-	-	-
DD_Σ4	?0.0300 b	-	-	-	-	-	-	-	-
HCHA	?0.0050 c	-	-	-	-	-	-	-	-
HCHG	?0.0050 c	-	-	-	-	-	-	-	-
HC_Σ2	?0.0050 b	-	-	-	-	-	-	-	-
HCB	?0.0050 b	-	-	-	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(16)

! Limit is uncertain.

FISH limits in **PPM** for **SALM TRU** (Salmo trutta, GB: Sea trout, N: Sjøørret).
Tissue : **MUSCLE**. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	Normal			Food			Risky		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	-	-	-	0.0500 ic	-	-	0.5900 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	-	-	-	-	-	-	-	-	-
Hg	?0.2000 ga	-	-	0.3000 ie	-	-	0.6800 m	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	-	-	-	0.2000 k	-	-	6.0800 ma	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	-	-	-	-	-	-	-	-	-
PCB	?0.0500 a	-	-	2.0000 ib	-	-	-	-	-
CB28	-	-	-	0.1000 hc	-	-	-	-	-
CB52	-	-	-	0.0400 hc	-	-	-	-	-
CB101	-	-	-	0.0800 hc	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	0.0800 hc	-	-	-	-	-
CB138	-	-	-	0.1000 hc	-	-	-	-	-
CB153	-	-	-	0.1000 hc	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	0.1200 hc	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	?0.0350 b	-	-	0.6200 hb	-	-	-	-	-
CB_ΣΣ	?0.0350 b	-	-	0.6200 hk	-	-	-	-	-
DDEPP	?0.0200 c	-	-	0.5000 jc	-	-	-	-	-
DDTPP	?0.0200 c	-	-	0.5000 jc	-	-	-	-	-
DDTEP	?0.0200 c	-	-	0.5000 jc	-	-	-	-	-
TDEPP	?0.0200 c	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	?0.0200 db	-	-	0.5000 jc	-	-	-	-	-
HCHA	?0.0100 c	-	-	0.0500 ja	-	-	-	-	-
HCHG	?0.0100 c	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	?0.0100 db	-	-	0.0500 c	-	-	-	-	-
HCB	?0.0050 db	-	-	0.0500 jb	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(13)

! Limit is uncertain.

FISH limits in P P M for S A L M T R U (Salmo trutta, GB: Sea trout, N: Sjøørret).
Tissue : LIVER. (Rf = literature reference, see appendix).

Limit Level=> Basis =====> Param.	N o r m a l			F o o d			R i s k y		
	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf	Wet weight Rf	Dry weight Rf	Lipid weight Rf
Cd	?0.3000 ga	-	-	-	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	?40.0000 ga	-	-	-	-	-	-	-	-
Hg	-	-	-	-	-	-	-	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	?0.6000 ga	-	-	-	-	-	-	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	?80.0000 ga	-	-	-	-	-	-	-	-
PCB	-	-	-	-	-	-	-	-	-
CB28	-	-	-	-	-	-	-	-	-
CB52	-	-	-	-	-	-	-	-	-
CB101	-	-	-	-	-	-	-	-	-
CB105	-	-	-	-	-	-	-	-	-
CB118	-	-	-	-	-	-	-	-	-
CB138	-	-	-	-	-	-	-	-	-
CB153	-	-	-	-	-	-	-	-	-
CB156	-	-	-	-	-	-	-	-	-
CB180	-	-	-	-	-	-	-	-	-
CB209	-	-	-	-	-	-	-	-	-
CB_Σ7	-	-	-	-	-	-	-	-	-
CB_ΣΣ	-	-	-	-	-	-	-	-	-
DDEPP	-	-	-	-	-	-	-	-	-
DDTTP	-	-	-	-	-	-	-	-	-
DDTEP	-	-	-	-	-	-	-	-	-
TDEPP	-	-	-	-	-	-	-	-	-
DD_Σ4	-	-	-	-	-	-	-	-	-
HCHA	-	-	-	-	-	-	-	-	-
HCHG	-	-	-	-	-	-	-	-	-
HC_Σ2	-	-	-	-	-	-	-	-	-
HCB	-	-	-	-	-	-	-	-	-
QCB	-	-	-	-	-	-	-	-	-
OCS	-	-	-	-	-	-	-	-	-
EOCL	-	-	-	-	-	-	-	-	-
EPOCL	-	-	-	-	-	-	-	-	-
NAP	-	-	-	-	-	-	-	-	-
NAP2M	-	-	-	-	-	-	-	-	-
NAP1M	-	-	-	-	-	-	-	-	-
BIPN	-	-	-	-	-	-	-	-	-
NAPDI	-	-	-	-	-	-	-	-	-
NAPTM	-	-	-	-	-	-	-	-	-
ACNLE	-	-	-	-	-	-	-	-	-
ACNE	-	-	-	-	-	-	-	-	-
FLE	-	-	-	-	-	-	-	-	-
PA	-	-	-	-	-	-	-	-	-
ANT	-	-	-	-	-	-	-	-	-
PAM1	-	-	-	-	-	-	-	-	-
FLU	-	-	-	-	-	-	-	-	-
PYR	-	-	-	-	-	-	-	-	-
BAA	-	-	-	-	-	-	-	-	-
CHR	-	-	-	-	-	-	-	-	-
BBF	-	-	-	-	-	-	-	-	-
BJKF	-	-	-	-	-	-	-	-	-
BEP	-	-	-	-	-	-	-	-	-
BAP	-	-	-	-	-	-	-	-	-
PER	-	-	-	-	-	-	-	-	-
ICDP	-	-	-	-	-	-	-	-	-
DBA3A	-	-	-	-	-	-	-	-	-
BGHIP	-	-	-	-	-	-	-	-	-
COR	-	-	-	-	-	-	-	-	-
DBP	-	-	-	-	-	-	-	-	-
DI_Σ6	-	-	-	-	-	-	-	-	-
P_Σ20	-	-	-	-	-	-	-	-	-
PK_Σ7	-	-	-	-	-	-	-	-	-
PAHΣΣ	-	-	-	-	-	-	-	-	-
PAH	-	-	-	-	-	-	-	-	-

?(4)

! Limit is uncertain.

JMG - data base: **Literature references** to limits for contaminants in biota and sediment.

Version : 4 (since 25.November 1993)

Date: 29. December 1994, (revision of 24.November 1994 rev. 9.12)

File: I:\tpx\jmg\lim\RF941229.ASC

Author: N.W.Green / Norwegian Institute for Water Research, Oslo Norway

Codes or subcodes followed by # indicate changes/comments made by NIVA for this report.

Code Sub-code (if relevant) and Description.
Brackets ([]) indicate unofficial translation.

- a** Knutzen, J, Skei, J, 1990. Kvalitetskriterier for miljøgifter i vann , sedimenter og organismer , samt foreløpige forslag til klassifikasjon av miljøkvalitet. (Quality criteria for micropollutants in water, sediments and organisms and preliminary proposals for classification of environmental quality). Norwegian Institute for Water Research Project O-862602. Report no. 2540. ISBN 82-577-1855-6. 139 pp.
- aa** In regards to Pb, values often higher probably due to poorer data because of analytical difficulties.
- ab** In regards to Zn in cod, in some cases higher (up to 9 mg/kg in fillet and 36 mg/kg in liver).
- ac** (code not used)
- ad#** In regards for copper the upper limit for the Norwegian State Pollution Control Authority's Class I ("good") environmental quality status is 10 ppm dry weight, (Knutzen et al., 1993). Limit deemed less uncertain (Knutzen and Green, 1995 in prep).
- ae** PAH, lowered since Knutzen and Skei (1990).
- af** Very few data
- ag** In regards to Zn in flounder, in a few cases up to about 20mg/kg
- ah** In regards to Cd, Hg and Pb in mussel, lowered in relation to Knutzen (1983) because of data from Julshamn (1981, 1982), Gault et al. (1983) and Olafsson (1986). The upper limits for these for the Norwegian State Pollution Control Authority's Class I ("good") environmental quality status are 2, 0.2 and 5 ppm dry weight, respectively (Knutzen et al., 1993).
- ai** In some cases higher. The upper limit for zinc for the Norwegian State Pollution Control Authority's Class I ("good") environmental quality status is 200 ppm dry weight, (Knutzen et al., 1993).

- b#** Knutzen, J., Green N., 1995 (in prep). Bakgrunnsnivåer av en del miljøgifter i fisk, blåskjell og reker. Data fra utvalgte norske prøvesteder innen den felles overvåking under Oslo-/Paris-kommisjoner (Joint Monitoring Programme - JMP) 1990-1993. (Background levels of some micropollutants in fish the blue mussel and shrimps. Data from selected Norwegian sampling sites within the joint monitoring of the Oslo-/Paris Commissions (Joint Monitoring Programme) 1990-1993. Norwegian Institute for Water Research Project O-80106/E-941412. Report no. xxxx. ISBN 82-577-xxxx-x. xxx pp.

Total "PCB" calculated as 2x CB_Σ7 for blue mussel and cod and 1.4x CB_Σ7 for flatfish.

For comparison the upper limit for the Norwegian State Pollution Control Authority's Class ("good") environmental quality status (Knutzen et al., 1993) are:

SFT parametre	JMP equivalent	units/ basis	blue mussel	cod filet	cod liver	flounder filet
Hg	Hg	ppm d.w.	0.2	0.1 (w.w.)		
Cd	Cd	ppm d.w.	2			
Cu	Cu	ppm d.w.	10			
Pb	Pb	ppm d.w.	5			
Zn	Zn	ppm d.w.	200			
sum PCB	PCB	ppb w.w.	10	10	1000	20
ΣDDT	DD_Σ4	ppb w.w.	2	2	200	3
ΣHCH	HC_Σ2	ppb w.w.	0.5	1	50	2
HCB	HCB	ppb w.w.	0.2	0.2	20	0.3
PAH	PAHΣΣ	ppb w.w.	100			
B(a)P	BAP	ppb w.w.	100			

- c#** For "Normal" values: calculated as equal to limit for "sum" of HCH or DDT metabolite group. For "Food" values: calculated as maximum limit for any compound within this group of contaminants.
- d** Knutzen, J, 1987. Om "bakgrunnsnivåer" av klorerte hydrokarboner og beslektede forbindelser i fisk. (On "background" levels of organochlorines in fish.). Norwegian Institute for Water Research Project O-85167. Report no. 2002. ISBN 82-577-1251-5. 173 pp.

da (code not used)

db# Calculated as rounded maximum value in appendix table

- e** (code not used)
- f** Knutzen, J., 1987. Bakgrunnsnivåer av metaller i saltvannsfisk. (Background levels of metals in marine fish). Norwegian Institute for Water Research Project O-85167/Q-388. Report no. 2051. ISBN 82-577-1308-2. 66 pp.
- g** Grande, M., 1987. "Bakgrunnsnivåer" av metaller i ferskvannsfisk. [Background levels of metals in freshwater fish]. Norwegian Institute for Water Research Project O-85167. Report no. 1979. ISBN 82-577-1218-3. 34 pp.
- ga#** Rounded maximum value in table, Hg concentrations increase with age and size.
- h** FAO, 1989. Fisheries Circular No.825 (FIIU/C825, November 1989). Food safety regulations applied to fish by major importing countries.
- ha** Danish action limit for Cd and Hg.
- hb** Calculated as sum of Dutch proposal for "Other fish species" for PCB congeners: CB-28, -52, -101, -118, -138, -153 and -180; which is 0.62 ppm wet weight (see reference hc). A Dutch provisional standards from 1981 lists 1.0 ppm wet weight (cf., "De Staatscourant", 107, Ministeriële besikking, besluit 15.mei 1981, No.176983. Cited in Joint Monitoring Group (of the Oslo-Paris Commission) annual meeting Brugge (19-22.1.88). Working document JMG 15/3/9-E. Comparison of the results of the Joint Monitoring Programme of fish products with the Dutch standards.
- hc** Dutch proposal for "Other fish species" for PCB congeners: CB-28, -52, -101, -118, -138, -153 and -180. The German proposal for "Marine fish, shellfish and products" is: 0.08, 0.08, 0.08, (none), 0.1, 0.1 and 0.08, respectively.
- hd** German proposal for Pb cited for "fish and fish products". The Dutch proposal for mussels is 2.0 ppm w.w. (cf., reference "l")
- he** German and Danish proposals for DDT. Italy proposes 0.01 ppm w.w. but it is not clear from this FAO circular as to which compounds and tissue types are involved.
- hf** Dutch proposal for "Fish liver" for PCB congeners: CB-28, -52, -101, -118, -138, -153 and -180. The German proposal for "Cod liver and products" and on a fat weight basis is: 0.4, 0.4, 0.4, 0.4, 0.6, 0.6 and 0.4 ppm f.w., respectively, which corresponds to 0.2, 0.2, 0.2, 0.2, 0.3, 0.3 and 0.2 ppm w.w.. if liver has a 50% fat content.
- hg#** Calculated as (rounded off) sum of German limits for the PCB congeners which is 1.6 ppm w.w. or the sum of CB-28, -52, -101, -138, -153 and -180 converted to wet weight basis (cf., reference "hf"). The sum of the Dutch limits (9.5 ppm w.w.) exceeds the Swedish proposal for "total" PCB (cf., reference "id").

- hh#** Calculated as CB_Σ7 (sum of German limits for the PCB congeners : CB-28, -52, -101, -118, -138, -153 and -180, (cf., reference "hg").
- hi** German proposal is cited for "Marine fish, shellfish and products" for PCB congeners: CB-28, -52, -101, -138, -153 and -180.
- hj#** Calculated as 0.56 ppm w.w. or the sum of the German limits for the PCB congeners: CB-28, -52, -101, -138, -153 and -180. The sum of the Dutch limits is 0.62 ppm w.w. (cf., reference "hc").
- hk#** Calculated as CB_Σ7 (sum of Netherlands limits for the PCB congeners: CB-28, -52, -101, -118, -138, -153 and -180 (i.e., 0.67 ppm w.w.). (see reference hc).

- i** PNUN, 1987. Bestämmelser om främmande ämnen i livsmedel (kontaminanter). [Proposals on contaminants in foods]. Rapport 1987:3-Nordisk Jämförelse. Permanent nordic committee for food.
 - ia** Finnish proposal for Cd for "fisklever" [fish liver].
 - ib** Swedish proposal for PCB for "annan fiskvara" [other fish products]. A previous German (FDR) proposal was 1 ppm w.w. applied for filet and shellfish (Luckas et al., 1980).
 - ic** Danish action limit for Cd for "fisk og ÷vrig fiskvara" [fish and remaining fish products].
 - id** Swedish proposal. USA proposal is 2 PCB ppm w.w. for "fish and shellfish" but it is uncertain as to whether this pertains specifically to fish liver (FAO, 1989). PNUN (1987) notes that the proposed Danish action limit is 3 ppm w.w. for cod liver but this is not cited by FAO (1989).
 - ie** Dnish proposal for Hg for "annan fiskvara" [other fish products] which varies between 0.3 and 1.0 ppm w.w. dependant on species.
 - if** Swedish proposal for Pb for "fisk og fiskvara" [fish and fish products].
- j** Dutch proposal cited by JMG, 1990 at the Joint Monitoring Group (of the Oslo-Paris Commission) annual meeting Lisbon (23-26.1.90). Working document JMG 15 info 18-E. Overview of standards for contaminants in fishery products. Document also presented in the ICES report of the Working Group on Environmental Assessments and Monitoring Strategies (WGEAMS). (Dutch limit cited as this was originally a Dutch presentation at WGEAMS. Furthermore, the references for the limits for the other countries was not presented.).
 - ja** Dutch proposal. A Finnish proposal (PNUN, 1987, cf., refernce i) lists 0.1 ppm w.w. for each isomer of HCH. In both the Dutch and Finnish cases the limits for fish liver are not mentioned specifically.
 - jb** Dutch proposal. Finnish and Swedish proposals list 0.2 ppm w.w. for HCB. In all cases the limits for fish liver are not mentioned specifically.
 - jc#** Calculated as Dutch proposal for sum of DDT, DDE and DDD.
- k** EK-Livs, 1992. [Nordic proposal for tolerable levels of some metals in or on food. EK-Livs contaminant group]. December 1992. (received from Norwegian Food Control Authority (SNT), pers.com. 10.93).
- l** (code not used)

- m** Green, N.W., 1987. Joint Monitoring Programme (JMP). National comments to the Norwegian data for 1986. NIVA-project 80106, report 31.8.87, 40 pp.. (Also in documents MON 6/3/1-E and MON 6/3/1 Corr.1-E of the sixth meeting of JMG's Ad Hoc Working Group on Monitoring (MON).)
- ma** Concentration limits used in risk assessment (Green, 1987) confirmed in PNUN, 1987.
- n** Knutzen, J., Kirkerud, 1984. Blåskjell og nær belsektede arter (*Mytilus* spp.) som indikatorer på klorerte hydrokarboner - bakgrunnsnivåer i diffust belastede områder. (Blue mussel and closely related species (*Mytilus* spp.) as indicators for chlorinated hydrocarbons - background levels in diffusely contaminated areas). Norwegian Institute for Water Research Project O-83091. Report no. 1604. ISBN 82-577-0764-3. 32 pp.
- na#** calculated as maximum for open coastal areas; variable and dubious values.
- o** Knutzen, J., 1992. Preliminary proposal for classification of marine environmental quality respecting micropollutants in water, sediments and selected organisms. Norwegian Institute for Water Research Project O-862602/O-89266. Report no. 2738. ISBN 82-577-2108-5. 22 pp.
- p#** In regards to PAH (including dicyclic compounds) some recent results indicate that background levels are much lower than the 10 ppb w.w. used for cod and flounder fillet (cf., Knutzen and Skei 1990) and the 100 ppb w.w. used for mussel (Knutzen, 1992). The results indicate that background diffusely contaminated areas probably does not exceed 10 and 50 ppb w.w. for fish fillet and mussel, respectively (Varanasi et al., 1990; Næs et al., 1991; Holte et al., 1992; Konieczny and Knutzen, 1992; unpublished NIVA-data from the Joint Monitoring Programme (JMP) under the Oslo-Paris Commissions).
- pa#** Ccalculated as PAH including dicyclic compounds.
- pb** In regards for PAH in mussel the upper limit for the Norwegian State Pollution Control Authority's Class I ("good") environmental quality status is 100 ppb wet weight, (Knutzen et al., 1993).
- q#** Franklin, A., 1991. Monitoring and surveillance of non-radioactive contaminants in the aquatic environment and activities regulating the disposal of wastes at sea, 1988-89. Aquatic environment monitoring report number 26. Ministry of Agriculture, Fisheries and Food, Directorate of Fisheries Research, Lowestoft. 90pp..
- qa#** higher values are permitted in foods which naturally contain higher concentrations.

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TABLE B

SHELLFISH 1981-92

Mean concentrations

Please note that there is a current need to update the assumed limits to which these mean concentrations are compared in the light of recent data and improved analytical techniques. This is especially relevant for PAHs, PCBs and other chlororganic compounds, but also some metal values.

REPORT INFORMATION : " F I S H " .

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Table-File-Name      : I:\TBX\JMG\BIO\TAB-2FSH.WET
Limit-CheckFile     : )LIM\NI941229.FSH
Weight basis        : "WET.weight".
Table SORT-Mode     : 1. SPECIES.
                   : 2. TISSUE.
                   : 3. LOCALITY-index.  (Predefined sequence)
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NOTES :

- ☛ 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.
- ☛ SampleType (I/B/H) are coded as follow:
("I" = Individual, "B" = Bulked, and "H" = Homogenate).
- ☛ 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.
If capital letters are referenced from exceed-limits, this means that at least one defined limit-level (normal, food or risky) could not be checked due to basis conversion problems.
 - 2: a count (in paranthesis)
 - 3: a "!" or ">"
"!" refer to notes BEFORE numeric values.
">" refer to notes AFTER numeric values.
 - 4: The footnote explanation.
- ☛ The "No.Fo.Ri." column shows the status defined for NORMAL , FOOD and RISKY limits for contaminants, respectively. Each of these may be expressed in a wet (w), dry (d) and lipid (l) basis indicated by three characters, respectively, below the limit type. Each character may be qualified three ways :
 - "+" : Limit is defined.
 - "?" : Limit is uncertain.
 - "." : Limit is not defined.
- ☛ Where limits are given in more than one basis, then the displayed value is compared first to limit in displayed basis (wet or dry). If this is undefined, then the value is compared to the limit on the other basis (wet or dry). If neither is defined, then the value is compared to the limit on a lipid basis (assuming conversion of basis is possible).

Species : GADU MOR, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: J26 Oslofjorden, Tissue : LIVER.
 Locality : 30B Oslo City area, Latitude: 59°52.00N, Longitude: 10°39.00E.

SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	Mean								Mean	
	841126 29.000	851111 25.000	861119 25.000	871111 25.000	890116 25.000	891113 25.000	901204 25.000	911003 25.000	921230 18.000	Mean
I	Count	29:29	25:25	25:25	25:25	25:25	25:25	22:24	18:18	Mean
	Min:Max	1.391	2.040	1.190	1.960	4.640	3.280	2.917	3.611	2.754
	Age	897.207	396.320	588.200	717.240	1140.120	1530.560	1563.000	1125.683	1074.912
	Wght	445.517	350.000	397.600	434.400	484.200	528.400	530.833	463.611	463.485
	Length	52.220	8.803	23.416	15.628	41.188	83.108	43.951	20.061	38.761
	Tissue	66.606	48.696	53.971	68.044	86.868	86.436	58.600	45.794	61.947
	wght g	67.296	32.463	57.660	36.160	56.792	61.636	47.822	32.778	49.380
	Dry	<0.017	<0.092	0.102e	<0.097	<0.027	<0.026	<0.042	0.128e	<0.064
	%			7.365	31.813a	8.595	4.028	5.656	10.984	10.556
	ppm			0.415a	<0.240a	0.579a	<0.198a	<0.143a	0.328a	<0.308a
	ppm			15.495	67.789a	28.055	<13.382	17.752	33.072a	<28.295
	ppm			2.216a	<2.337a	9.478e	6.770e	22.517	5.370e	<5.370e
	ppb	5.766e	5.652e				s575.600	17.783	<<8.500	<<12.374
	ppb						s646.400c	102.696	<37.889	<<55.675
	ppb						s815.200	333.087	180.889	195.365
	ppb							72.120	156.056	156.056
	ppb							269.880	473.111	484.185
	ppb							1034.522	797.556	719.546
	ppb							1220.739	1020.278	888.392
	ppb							435.087	55.833	55.833
	ppb							<<7.174	370.222	326.623
	ppb							3853.478e<<2887.889e	<<6.667	<<7.307
	ppb							1304.560a	<<2681.976e	<<2759.634e
	ppb							1312.640a<<3860.652e<<3105.611e	<<2759.634e	<<2759.634e
	ppb							476.348a	<<197.700	<<197.700
	ppb							476.348a	40.444	40.444
	ppb							<<6.304	<<608.036e	<<608.036e
	ppb							13.652	<<13.968	<<13.968
	ppb							<<19.957	<<74.073e	<<74.073e
	ppb							18.043	<<79.465e	<<79.465e
	ppb							<<4.955	<<48.222a	<<48.222a
	ppb							<<15.043	<<4.172	<<4.172
	ppb								<<9.997	<<9.997
	ppb								<<20.128	<<20.128
B	Count								3.3	3.667
	Min:Max								3.667	3.667
	Age								1235.700	1235.700
	Year								481.000	481.000
	Wght								23.853	23.853
	g								46.967	46.967
	Length								6.733	6.733
	mm								<<0.200	<<0.200
	Tissue								2.933	2.933
	wght g								2.033	2.033
	%								0.667	0.667
	Dry								0.500	0.500
	%								1.433	1.433
	Fat								2.533	2.533
	ppb								1.867	1.867
	ppb								<<0.500	<<0.500
	ppb								<<0.500	<<0.500
	ppb								2.600	2.600
	ppb								0.567	0.567
	ppb								3.400	3.400
	ppb								1.100	1.100
	ppb								<<0.200	<<0.200
	ppb								0.800	0.800

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

Catch, Date ==> SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	841126	851111	861119	871111	890116	891113	901204	911003	921230
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
B BBF ppb w.wt	1.200
BJKF ppb w.wt	<<0.200
BEP ppb w.wt	0.400
BAP ppb w.wt	<<0.200
PER ppb w.wt	<<0.200
ICDP ppb w.wt	<<0.300
DBA3A ppb w.wt	<<0.200
BGHIP ppb w.wt	0.533
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DI Σ6 ppb w.wt	<<7.767
P Σ20 ppb w.wt	<<16.300
PK Σ7 ppb w.wt	<<1.633
PAHΣΣ ppb w.wt	<<23.867

s/q(9) ! Suspect value(s)

a/A(26) > Exceeds NORMAL limit.

c/C(1) > Exceeds FOOD limit.

e/E(41) > Exceeds NORMAL and FOOD limits.

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	.....	19.000
SampleType(I/B/H)	.....
Param. (W,d,L):	No.Fo.Ri.	Mean
I	Count Min:Max	19:19
	Age Year	4.000
	Wght g	1724.537
	Length mm	534.211
	Tissue wght g	58.916
	Dry %	58.695
	Fat %	47.547
	Cd ppm W.Wt +..+.....	<0.048
	Cu ppm W.Wt +.....	9.911
	Pb ppm W.Wt +..+.....	<<0.079
	Zn ppm W.Wt +.....	24.474
	CB28 ppb W.Wt +.....	35.474
	CB52 ppb W.Wt +.....	130.895
	CB101 ppb W.Wt +.....	347.632
	CB105 ppb W.Wt +.....	242.789
	CB118 ppb W.Wt +.....	659.947
	CB138 ppb W.Wt +.....	724.000
	CB153 ppb W.Wt +.....	888.053
	CB156 ppb W.Wt +.....	60.368
	CB180 ppb W.Wt +.....	220.000
	CB209 ppb W.Wt +.....	<<5.526
	CB 27 ppb W.Wt +.....	3006.000e
	CB 22 ppb W.Wt +.....	<<3314.684e
	DDEPP ppb W.Wt +.....	282.105a
	TDEPP ppb W.Wt +.....	101.316
	DD 24 ppb W.Wt +.....	383.421a
	HCHA ppb W.Wt +.....	<<5.105
	HCHG ppb W.Wt +.....	<<5.789
	HC 22 ppb W.Wt +.....	<<7.474
	HCB ppb W.Wt +.....	14.316
	qCB ppb W.Wt +.....	<<5.000
	OCS ppb W.Wt +.....	<9.105
B	Count Min:Max	3:3
	Age Year	4.333
	Wght g	1973.700
	Length mm	561.667
	Tissue wght g	70.133
	Dry %	58.800
	Fat %	7.767
	NAP ppb W.Wt +.....	<<0.200
	NAP2M ppb W.Wt +.....	2.667
	NAP1M ppb W.Wt +.....	2.033
	BIPN ppb W.Wt +.....	0.567
	NAPDI ppb W.Wt +.....	0.533
	NAPTM ppb W.Wt +.....	2.000
	ACNLE ppb W.Wt +.....	5.167
	ACNE ppb W.Wt +.....	1.967
	FLE ppb W.Wt +.....	0.467
	PA ppb W.Wt +.....	<<0.667
	ANT ppb W.Wt +.....	5.900
	PAM1 ppb W.Wt +.....	0.967
	FLU ppb W.Wt +.....	2.667
	PYR ppb W.Wt +.....	1.800
	BAA ppb W.Wt +.....	0.500
	CHR ppb W.Wt +.....	0.967
	BBF ppb W.Wt +.....	1.700
	BJKF ppb W.Wt +.....	<<0.200
	BEP ppb W.Wt +.....	<<0.433

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

Catch, Date ==>	930314
SampleType (I/B/H)	Mean
Param. (w,d,l) : No.Fo.Ri.	
B BAP ppb w.wt	<<0.200
PER ppb w.wt	<<0.200
ICDP ppb w.wt	0.300
DBA3A ppb w.wt	<<0.200
BGHIP ppb w.wt	0.467
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DI Σ6 ppb w.wt	<<8.000
P Σ20 ppb w.wt	<<23.967
PK Σ7 ppb w.wt	<<2.700
PAHΣΣ ppb w.wt	<<31.767

a/A(2) > Exceeds NORMAL limit.
e/E(2) > Exceeds NORMAL and FOOD limits.

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	821200	Mean
Count	10.000	27.000	Mean
SampleType (I/B/H)	Mean	Mean	Mean
Param. (w,d,l) : No.Fo.Ri.			
I Count Min:Max	5:10	26:27	.
Age year	1.800	2.423	2.112
Wght g	956.500	1315.630	1136.065
Length mm	440.000	519.231	479.615
Tissue wght g	26.520	21.778	24.149
Dry %	52.640	55.885	54.262
Fat %	38.967	47.481	43.224
Cd ppm w.wt	0.115e	0.051	0.083
Hg ppm w.wt	<0.038	<0.062	<<0.050
Se ppm w.wt	.	1.470	1.470
PCB ppm w.wt	3.960a	4.220a	4.090a
DDEPP ppb w.wt	.	390.000a	390.000a
DD Σ4 ppb w.wt	.	390.000a	390.000a

a/A(7) > Exceeds NORMAL limit.
e/E(1) > Exceeds NORMAL and FOOD limits.

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.

SampleType(I/B/H)	Param. (w,d,l): No.Fo.Ri.	Mean										Mean			
		811229	821200	831201	841214	851216	870204	880105	881213	891201	901105	911201	921215	Mean	
I	Count	10:10	20:27	23:23	24:24	14:14	25:25	24:25	25:25	21:25	24:24	25:25	25:25	22:25	22.667
	Min:Max	2.000	2.481	2.565	2.542	1.783	1.960	1.960	3.200	1.720	2.417	2.880	2.880	3.160	
	Age	1228.000	1561.481	1579.783	1467.792	1724.500	739.400	739.400	1470.240	1205.800	1326.750	1384.000	1384.000	1378.796	2.428
	Wght	511.000	532.222	510.435	506.667	555.714	432.600	432.600	525.600	481.800	510.417	501.600	501.600	504.600	1371.268
	Length	22.800	26.003	26.003	36.186	36.186	19.132	14.683	29.616	27.320	32.867	54.736	54.736	38.824	505.321
	Tissue	51.870	42.950	34.595	39.721	41.864	43.328	46.904	46.904	48.636	51.517	64.312	64.312	48.440	46.929
	g	36.500	34.731	18.700	29.595	29.126	20.780	22.325	32.552	32.755	39.871	58.480	58.480	36.388	32.650
	Dry	0.098	0.083	0.218e	0.087	0.068	0.222e	<0.070	<0.054	<0.039	0.030	<0.014	<0.014	0.026	<<0.084
	%	0.073	<0.096	.	.	.	15.853	19.295	11.323	12.988	12.563	9.317	9.317	10.497	13.119
	ppm	0.073	<0.096	.	.	.	0.398a	<0.175a	<<0.094	0.170a	0.120a	<<0.058	<<0.058	<<0.034	<<0.085
	w.wt	.	1.604	.	.	.	51.370a	63.452a	35.797a	35.604a	32.775a	22.804	22.804	27.092	<<0.150a
	?	.	2.632a	1.882a	1.839a	2.957a	1.140a	<0.746	2.888a	2.447a	9.679	11.080	11.080	11.080	1.604
	+	.	.	.	.	.	.	.	.	s<180.417	9.679	11.080	11.080	<<5.600	38.413a
	.....	.	.	.	.	.	.	.	.	s494.583	<15.821	16.800	16.800	<<5.160	<2.136a
	PCB	2.690a	2.632a	1.882a	1.839a	2.957a	1.140a	<0.746	2.888a	s<145.417	34.929	31.280	31.280	32.440	<<8.786
	CB28	.	.	.	.	.	.	.	.	s<134.167	140.829	72.200	72.200	78.680	<<12.594
	CB52	.	.	.	.	.	.	.	.	s429.583	162.179	83.880	83.880	103.480	32.883
	CB101	.	.	.	.	.	.	.	.	s527.083	235.000	133.800	133.800	167.600	30.020
	CB105	.	.	.	.	.	.	.	.	s<113.750	57.254	23.600	23.600	29.600	97.236
	CB118	.	.	.	.	.	.	.	.	s<2k020e	<655.692a	372.640	372.640	<<420.360	116.513
	CB138	.	.	.	.	.	.	.	.	s<2k020e	<<671.967a	<<415.600	<<415.600	<<461.080	178.800
	CB153	.	.	.	.	.	.	.	.	460.000a	108.679	54.440	54.440	49.520	<<9.020
	CB156	.	.	.	.	.	.	.	.	<<246.667a	.	.	.	178.800	<<8.240
	CB180	.	.	.	.	.	.	.	.	212.800a	212.800a	212.800a	212.800a	178.800	36.818
	CB209	.	.	.	.	.	.	.	.	<<54.800	<<54.800	<<54.800	<<54.800	178.800	<<8.758
	CB 27	.	.	.	.	.	.	.	.	212.800a	212.800a	212.800a	212.800a	178.800	<<482.897
	CB 28	.	.	.	.	.	.	.	.	<<71.600	<<71.600	<<71.600	<<71.600	178.800	<<516.216a
	DDEPP	.	.	.	.	.	.	.	.	<<228.333a	<<228.333a	<<228.333a	<<228.333a	178.800	<<190.345
	DDTTPP	.	.	.	.	.	.	.	.	<<226.538a	<<226.538a	<<226.538a	<<226.538a	178.800	<<123.683
	TDEPP	.	.	.	.	.	.	.	.	<<226.538a	<<226.538a	<<226.538a	<<226.538a	178.800	<<16.420
	DD 24	.	.	.	.	.	.	.	.	<<226.538a	<<226.538a	<<226.538a	<<226.538a	178.800	<<237.627a
	HCHA	.	.	.	.	.	.	.	.	108.679	108.679	75.160	75.160	<<61.640	<<15.940
	HCHG	.	.	.	.	.	.	.	.	36.979	36.979	<<5.000	<<5.000	<<9.040	<<32.948
	HC 22	.	.	.	.	.	.	.	.	<<61.250e	<<61.250e	<<61.250e	<<61.250e	<<13.680	<<59.608
	HCB	.	.	.	.	.	.	.	.	<<40.417	<<40.417	<<40.417	<<40.417	<<9.227	<<27.708a
	QCB	.	.	.	.	.	.	.	.	<<40.000a	<<40.000a	<<40.000a	<<40.000a	<<4.494	<<4.494
	OCS	.	.	.	.	.	.	.	.	<<3.483	<<3.483	<<3.483	<<3.483	<<5.000	<<13.348
	EPOCL	.	.	.	.	.	.	.	.	<<28.883	<<28.883	<<28.883	<<28.883	<<6.160	<<26.998

s/q(9) ! Suspect value(s)
 k (2) Value= 1000 * given units.
 a/A(44) > Exceeds NORMAL limit.
 e/E(9) > Exceeds NORMAL and FOOD limits.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample area: **J99 Undefined**, Tissue : **LIVER**.
 Locality : **77B Borøy area**, Latitude: 58°33.00N, Longitude: 09°01.00E.

I	Catch, Date ==> Count	901104		911001		Mean
		14.000	25.000	Mean	Mean	
SampleType (I/B/H)						
Param. (w,d,l) :	No.Fo.Ri.					
I	Count	3:14	20:24			
	Age year	2.643	2.680			2.661
	Wght g	1753.214	1218.600			1485.907
	Length mm	557.857	493.200			525.529
	Tissue wght g	38.571	34.704			36.638
	Dry %	47.300	54.742			51.021
	Fat %	33.579	35.863			34.721
	Cd ppm w.wt +...+	0.040	<0.025			<<0.032
	Cu ppm w.wt +...+	16.903	10.516			13.709
	Pb ppm w.wt +...+	0.127a	0.231a			0.179a
	Zn ppm w.wt +...+	34.407a	26.055			30.231a
	CB28 ppb w.wt +...+	5.714	<<10.667			<<8.190
	CB52 ppb w.wt +...+	3.429	<<11.792			<<7.610
	CB101 ppb w.wt +...+	12.857	<25.083			<<18.970
	CB105 ppb w.wt +...+	.	31.667			31.667
	CB118 ppb w.wt +...+	46.643	79.083			62.863
	CB138 ppb w.wt +...+	74.000	109.625			91.813
	CB153 ppb w.wt +...+	150.857	179.667			165.262
	CB156 ppb w.wt +...+	.	<12.208			<12.208
	CB180 ppb w.wt +...+	45.286	32.792			39.039
	CB209 ppb w.wt +...+	41.857	<25.208			<<33.533
	CB Σ7 ppb w.wt +...+	338.786	<<446.833			<<392.810
	CB ΣΣ ppb w.wt +...+	380.643	<<515.500a			<<448.071
	DDEPP ppb w.wt +...+	55.857	79.125			67.491
	TDEPP ppb w.wt +...+	.	<33.833			<33.833
	DD Σ4 ppb w.wt +...+	55.857	<112.958			<<84.408
	HCHA ppb w.wt +...+	13.429	<<5.000			<<9.214
	HCHG ppb w.wt +...+	23.571	<<7.833			<<15.702
	HC Σ2 ppb w.wt +...+	37.000	<<11.167			<<24.083
	HCB ppb w.wt +...+	8.786	<<10.000			<<9.393
	QCB ppb w.wt +...+	<<1.714	<<5.000			<<3.357
	OCS ppb w.wt +...+	<13.929	<<13.458			<<13.693
	EFOCL ppm w.wt +...+	12.300	<3.374			<<7.837

a/A(6) > Exceeds NORMAL limit.

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 ==> Count	901103		911025		921215		Mean
		Mean	Mean	Mean	Mean	Mean	Mean	
SampleType (I/B/H)								
Param. (w,d,l) : No.Fo.Ri.								
I Count	Min:Max	4:25	22:24	23:23				
Age	year	2.760	2.458	3.043				2.754
Wght	g	1532.240	1584.917	1673.487				1596.881
Length	mm	526.800	517.083	513.478				519.121
Tissue wght	g	47.148	70.295	44.730				54.058
Dry	%	53.364	63.632	52.387				56.461
Fat	%	40.816	59.077	38.504				46.133
Cd	ppm w.wt	0.030	<<0.012	0.037				<<0.027
Cu	ppm w.wt	12.004	3.303	7.188				7.498
Pb	ppm w.wt	0.169a	<0.071	<<0.030				<<0.090
Zn	ppm w.wt	31.620a	17.065	23.391				24.025
CB28	ppb w.wt	<5.840	15.818	<<5.000				<<8.886
CB52	ppb w.wt	<4.520	<12.000	<9.217				<<8.579
CB101	ppb w.wt	16.840	46.273	<24.652				<<29.255
CB105	ppb w.wt			<14.652				<14.652
CB118	ppb w.wt	35.000	57.364	43.652				45.339
CB138	ppb w.wt	52.080	108.227	72.000				77.436
CB153	ppb w.wt	73.160	128.818	112.522				104.833
CB156	ppb w.wt			<<7.174				<<7.174
CB180	ppb w.wt	27.600	40.045	26.174				31.273
CB209	ppb w.wt	<5.640	<<5.136	<<5.000				<<5.259
CB Σ7	ppb w.wt	<<215.000	<408.545	<<291.913				<<305.153
CB ΣΣ	ppb w.wt	<<220.480	<<413.500	<<311.783				<<315.254
DDEPP	ppb w.wt	79.040	149.318	60.391				96.250
TDEPP	ppb w.wt		69.000	<<6.478				<<37.739
DD Σ4	ppb w.wt	79.040	218.318a	<<66.870				<<121.409
HCHA	ppb w.wt	11.000	27.273	<<5.391				<<14.555
HCHG	ppb w.wt	<14.480	36.318	<7.739				<<19.512
HC Σ2	ppb w.wt	<25.480	63.591e	<<12.261				<<33.777
HCB	ppb w.wt	<6.360	20.727a	<10.043				<<12.377
QCB	ppb w.wt	<<2.720	<18.273	<<5.000				<<8.664
OCS	ppb w.wt	<<4.240	31.318	<<5.130				<<13.563
EPOCL	ppm w.wt	15.390						15.390

a/A(4) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **LIVER**.
 Locality : **23B Karihavet area**, Latitude: 59°55.00N, Longitude: 05°07.00E.

	Catch, Date ==>	901007		910930		921215		Mean
		Count	25.000	25.000	25.000	25.000	25.000	
SampleType (I/B/H)	Param. (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean
I	Count Min:Max	5:25	18:25	25:25	25:25			
	Age year	3.360	3.280	3.480	3.480			3.373
	Wght g	1073.880	852.960	1576.832	1576.832			1167.891
	Length mm	515.200	429.600	514.400	514.400			486.400
	Tissue wght g	35.192	16.136	61.328	61.328			37.552
	Dry %	55.924	43.767	59.856	59.856			53.182
	Fat %	44.524	32.806	48.300	48.300			41.877
	Cd ppm w.wt	0.033	<0.032	<0.022	<0.022			<<0.029
	Cu ppm w.wt	8.606	10.049	7.018	7.018			8.558
	Pb ppm w.wt	<0.067	<0.076	<0.034	<0.034			<<0.059
	Zn ppm w.wt	30.988a	30.728a	24.864	24.864			28.860
	CB28 ppb w.wt	6.480	<<6.556	<<5.000	<<5.000			<<6.012
	CB52 ppb w.wt	<4.200	<<11.667	<<7.920	<<7.920			<<7.929
	CB101 ppb w.wt	13.120	<<51.833	<18.840	<18.840			<<27.931
	CB105 ppb w.wt			13.880	13.880			13.880
	CB118 ppb w.wt	49.800	123.889	40.200	40.200			71.296
	CB138 ppb w.wt	64.280	220.889	64.880	64.880			116.683
	CB153 ppb w.wt	109.640	391.111	115.600	115.600			205.450
	CB156 ppb w.wt			<<7.760	<<7.760			<<7.760
	CB180 ppb w.wt	51.360	124.556	37.760	37.760			71.225
	CB209 ppb w.wt	<3.960	<<4.556	<<5.120	<<5.120			<<4.545
	CB Σ7 ppb w.wt	<298.880	<<927.944a	<<287.200	<<287.200			<<504.675a
	CB ΣΣ ppb w.wt	<<302.680	<<931.167a	<<307.560	<<307.560			<<513.802a
	DDEPP ppb w.wt	89.040	146.167	47.400	47.400			94.202
	TDEPP ppb w.wt			<<5.360	<<5.360			<<5.360
	DD Σ4 ppb w.wt	89.040	146.167	<<52.760	<<52.760			<<95.989
	HCHA ppb w.wt	15.520	<<7.667	<6.200	<6.200			<<9.796
	HCHG ppb w.wt	13.880	<9.111	12.640	12.640			<<11.877
	HC Σ2 ppb w.wt	29.400	<<16.778	<18.840	<18.840			<<21.673
	HCB ppb w.wt	7.680	13.278	12.000	12.000			10.986
	QCB ppb w.wt	<<3.680	<<5.722	<<5.000	<<5.000			<<4.801
	OCS ppb w.wt	<<2.360	<<4.111	<<5.000	<<5.000			<<3.824
	EPOCL ppm w.wt	10.490						10.490

a/A(6) > Exceeds NORMAL limit.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J63 Sørifjorden**, Tissue : **LIVER**
 Locality : **53B Inner Sørifjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.

Catch, Date ==>	870222	881117	891125	901014	911101	921215
Count	12.000	25.000	12.000	25.000	25.000	22.000
SampleType(I/B/H)						
Param. (w,d,l): No.Fo.Ri.						
I						
Count	12:12	11:11	24:25	20:25	21:22	Mean
Age		1.727	2.320	3.320	3.333	Mean
Wght	829.500	1033.833	730.680	992.280	1552.800	2.675
Length		447.917	390.800	464.400	530.909	1027.819
Tissue		30.750	28.028	33.599	43.450	458.506
Dry		64.253	57.340	57.455	37.705	33.957
Fat	32.232	52.555	49.768	48.460	37.705	58.275
Cd	1.001e	0.123e	<0.078	0.236e	0.313e	<0.350e
Cu	13.000	7.582	2.516	4.070	7.397	6.913
Pb	1.235e	0.233a	<0.208a	0.302a	<0.171a	<<0.430a
Zn	39.567a	28.093	12.036	26.636	33.605a	27.987
PCB		20.902e				20.902e
CB28		s530.000	3.680	<<5.550	<5.000	<<4.743
CB52		s317.273	22.200	<9.750	46.227	<<26.059
CB101		s2385.455c	166.720	52.500	265.682	161.634
CB105					231.182	231.182
CB118		s1969.091c	482.640	82.150	624.500	396.430
CB138		s4955.455c	452.880	204.200	858.182	505.087
CB153		s4493.636c	623.680	308.650	970.545	634.292
CB156					99.727	99.727
CB180		s591.818	141.120	89.500	250.045	160.222
CB209			<3.000	<<4.500	<5.000	<<4.167
CB 271		s15242.727e	1892.920a	<<751.550a	<<3020.182e	<<1888.217a
CB 282		s15242.727e	<1895.920a	<<751.650a	<<3351.091e	<<1999.554a
DDEPP		3980.000e	711.600e	1106.200e	1078.591e	1719.098e
DDTTP		<<948.182e				<<948.182e
TDEPP				345.850a	78.952	212.401a
DD 24		<<4928.182e	711.600e	1452.050e	1153.955e	<<2061.447e
HCHA			19.958	10.350	<<5.227	<<11.845
HCHG		81.818e	<13.000	<7.600	<<6.909	<<27.332
HC 22		81.818e	<32.160	<17.950	<<8.045	<<34.993
OCB		<35.455a	11.080	11.050	<18.045	<<18.908
OCB			8.040	<<6.200	<<11.455	<<8.565
OCS			<<2.200	<<4.500	<<5.000	<<3.900
EPOCL		18.465	240.112	29.824		96.134
Count	1:1	1:1				
Age		3.000				3.000
Wght	830.000	724.000				777.000
Length		401.000				401.000
Dry	23.100	72.500				47.800
Fat	39.190	64.500				51.845
Cd		0.058				0.058
Cu		7.105				7.105
Pb		0.167a				0.167a
Zn		26.825				26.825
PCB	0.370	6.240e				3.305a
DDEPP		820.000e				820.000e
DDTTP		470.000a				470.000a
DD 24		1290.000e				1290.000e
HCHG		<40.000				<40.000
HC 22		<40.000				<40.000
OCB		<40.000a				<40.000a
EPOCL		3.050				3.050
PAH	33.000					33.000

s/q(9) ! Suspect value(s)
 a/A(23) > Exceeds NORMAL limit.
 c/C(4) > Exceeds FOOD limit.
 e/E(31) > Exceeds NORMAL and FOOD limits.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **LIVER**.
 Locality : **67B Strandebram**, Latitude: 60°16.00N, Longitude: 06°02.00E.

I	Catch, Date ==> Count SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	871125		881011		891015		901009		911023		921201	
		Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max
Count	22:22	22:22	22:22	22:22	13:13	19:19	8:8						
Age	2.727	1.409	1.409	1.409	2.385	3.105	2.750						
Wght	1536.773	1399.045	1411.692	1411.692	508.462	498.947	1313.500						
Length	523.182	514.545	508.462	508.462	47.385	31.721	486.250						
Dry	60.021	35.409	47.385	47.385	59.177	43.074	84.225						
Fat	71.185	78.615	54.479	54.479	59.177	43.074	61.712						
Cd	65.148	54.536	0.069	0.069	0.069	0.100	46.463						
Cu	0.176e	<0.058	13.817	8.834	8.834	7.753	6.705						
Pb	9.059	<0.230a	<0.230a	0.130a	0.130a	0.182a	<0.128a						
Zn	0.178a	27.515	27.515	26.623	26.623	27.789	21.563						
PCB	27.150	1.147a	1.147a	1.147a	1.147a	1.147a	1.147a						
CB28		s<89.545	s<89.545	s<89.545	s<89.545	s<89.545	<<5.316						
CB52		s182.727	s182.727	s182.727	s182.727	s182.727	<<5.737						
CB101		s90.000	s90.000	s90.000	s90.000	s90.000	<<16.368						
CB105							<11.474						
CB118							40.053						
CB138							75.789						
CB153							122.105						
CB156							<<7.526						
CB180							28.684						
CB209							<<5.053						
CB27							<<290.105						
CB28							<<308.105						
CB29							567.158e						
DDEPP							180.211						
DD24							747.368e						
HCHA							<<5.000						
HCHG							<<8.000						
HC22							<<11.684						
HCB							<<8.632						
GCB							<<5.000						
OCS							<<5.000						
EPOCL							<10.167						
Count		1:1	1:1	1:1	1:1	1:1	1:1						
Age		3.000	3.000	3.000	3.000	3.000	3.000						
Wght		1334.000	1334.000	1334.000	1334.000	1334.000	1334.000						
Length		493.000	493.000	493.000	493.000	493.000	493.000						
Dry		74.200	74.200	74.200	74.200	74.200	74.200						
Fat		56.200	56.200	56.200	56.200	56.200	56.200						
Cd		0.052	0.052	0.052	0.052	0.052	0.052						
Cu		6.908	6.908	6.908	6.908	6.908	6.908						
Pb		0.200a	0.200a	0.200a	0.200a	0.200a	0.200a						
Zn		22.260	22.260	22.260	22.260	22.260	22.260						
PCB		0.840	0.840	0.840	0.840	0.840	0.840						
DDEPP		330.000a	330.000a	330.000a	330.000a	330.000a	330.000a						
DDTTPP		200.000	200.000	200.000	200.000	200.000	200.000						
DD24		530.000e	530.000e	530.000e	530.000e	530.000e	530.000e						
HCHG		<40.000	<40.000	<40.000	<40.000	<40.000	<40.000						
HC22		<40.000a	<40.000a	<40.000a	<40.000a	<40.000a	<40.000a						
HCB		<40.000a	<40.000a	<40.000a	<40.000a	<40.000a	<40.000a						
EPOCL		3.100	3.100	3.100	3.100	3.100	3.100						
Count													
Age		3:3	3:3	3:3	3:3	3:3	3:3						
Wght		2.667	2.667	2.667	2.667	2.667	2.667						
Length		1410.667	1410.667	1410.667	1410.667	1410.667	1410.667						
Tissue wght		509.000	509.000	509.000	509.000	509.000	509.000						
		49.483	49.483	49.483	49.483	49.483	49.483						

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

Catch, Date ==> SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	871125	881011	891015	901009	911023	921201
	Mean	Mean	Mean	Mean	Mean	Mean
B Dry %	.	.	.	60.500	.	.
Fat %	.	.	.	50.700	.	.
CB28 ppb w.wt	.	.	.	<<5.333	.	.
CB52 ppb w.wt	.	.	.	10.333	.	.
CB101 ppb w.wt	.	.	.	42.000	.	.
CB118 ppb w.wt	.	.	.	52.000	.	.
CB138 ppb w.wt	.	.	.	113.000	.	.
CB153 ppb w.wt	.	.	.	160.333	.	.
CB180 ppb w.wt	.	.	.	53.000	.	.
CB209 ppb w.wt	.	.	.	<<4.333	.	.
CB Σ7 ppb w.wt	.	.	.	<<436.000	.	.
CB ΣΣ ppb w.wt	.	.	.	<<439.000	.	.
DDEPP ppb w.wt	.	.	.	1189.333e	.	.
DD Σ4 ppb w.wt	.	.	.	1189.333e	.	.
HCHA ppb w.wt	.	.	.	38.333	.	.
HCHG ppb w.wt	.	.	.	11.667	.	.
HC Σ2 ppb w.wt	.	.	.	50.000	.	.
HCB ppb w.wt	.	.	.	16.000	.	.
QCB ppb w.wt	.	.	.	<<4.333	.	.
OCS ppb w.wt	.	.	.	<<4.333	.	.
EPOCL ppm w.wt	.	.	.	2.073	.	.

s/q (9) ! Suspect value (s)
k (2) Value= 1000 * given units.
a/A (19) > Exceeds NORMAL Limit.
e/E (15) > Exceeds NORMAL and FOOD limits.

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.

SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	841000	851127	861118	871020	881117	Mean
	Mean	Mean	Mean	Mean	Mean	Mean
Catch, Date ==>	13:13	.	1:1	1:1	.	.
Count	.	.	2.000	1.000	.	1.500
Age year	.	.	2300.000	60.000	.	1190.256
Wght g	1210.769	.	640.000	200.000	.	446.154
Length mm	498.462	.	62.000	0.400	.	31.200
Tissue wght g	.	.	68.760	.	.	52.284
Dry %	35.808	.	53.200	.	.	40.292
Fat %	27.384	.	0.069	d1.000?	.	0.120e
Cd ppm w.wt	0.172e	.	26.610a	d24.200?	.	26.610a
Cu ppm w.wt	.	.	0.206a	d1.230?	.	0.206a
Pb ppm w.wt	.	.	29.704	d201.000?	.	29.704
Zn ppm w.wt	.	.	0.340	.	.	0.603
PCB ppm w.wt	0.866	.	90.000	.	.	<<117.692
DDEPP ppb w.wt	<145.385	.	<40.000	.	.	<40.000
DDTTP ppb w.wt	.	.	<130.000	.	.	<<137.692
DD Σ4 ppb w.wt	<145.385	.	90.000e	.	.	90.000e
HCHG ppb w.wt	.	.	90.000e	.	.	90.000e
HC Σ2 ppb w.wt	.	.	20.000	.	.	<<21.923a
HCB ppb w.wt	<<23.846a	.	1.100	.	.	1.100
EPOCL ppm w.wt	.	1:1	.	.	1:1	.
Count	.	3.000	.	.	3.000	3.000
Age year	.	1349.000	.	.	1154.000	1251.500
Wght g	.	481.000	.	.	471.000	476.000
Length mm	.	6.840	.	.	72.700	6.840
Tissue wght g	.	45.700	.	.	66.400	59.200
Dry %	.	38.300	.	.	0.029	52.350
Fat %	.	0.095	.	.	6.245	0.062
Cd ppm w.wt	.	.	.	.	<0.087	<0.087
Cu ppm w.wt	.	.	.	.	27.626	27.626
Pb ppm w.wt	.	.	.	.	1.970a	1.168a
Zn ppm w.wt	.	0.365	.	.	240.000a	145.000
PCB ppm w.wt	.	50.000	.	.	180.000	180.000
DDEPP ppb w.wt	.	.	.	.	420.000a	235.000a
DDTTP ppb w.wt	.	50.000	.	.	<40.000	<40.000
DD Σ4 ppb w.wt	.	.	.	.	<40.000	<40.000
HCHG ppb w.wt	.	.	.	.	<40.000a	<<35.000a
HC Σ2 ppb w.wt	.	.	.	.	1.750	1.750
HCB ppb w.wt	.	30.000a	.	.	.	.
EPOCL ppm w.wt	.	.	.	.	.	.

d (4) ! In d.wt basis. (cannot convert to "w.wt").
 a/A(14) > Exceeds NORMAL limit.
 e/E (6) > Exceeds NORMAL and FOOD limits.
 ? (4) > At least one defined limit-level could not be compared as matching basis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **LIVER**.
 Locality : **98B Lille Molla**, Latitude: 68°12.00N, Longitude: 14°48.00E.

Catch, Date ==>	921201
Count	25.000
SampleType (I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
I Count Min:Max	25:25
Age year	4.840
Wght g	2070.240
Length mm	578.400
Tissue wght g	83.684
Dry %	61.080
Fat %	48.868
Cd ppm w.wt +..+.....	0.103e
Cu ppm w.wt +..+.....	6.758
Pb ppm w.wt +..+.....	<<0.030
Zn ppm w.wt +..+.....	20.688
CB28 ppb w.wt +..+.....	<<6.720
CB52 ppb w.wt +..+.....	<15.280
CB101 ppb w.wt +..+.....	28.960
CB105 ppb w.wt +..+.....	<18.200
CB118 ppb w.wt +..+.....	54.080
CB138 ppb w.wt +..+.....	74.440
CB153 ppb w.wt +..+.....	98.800
CB156 ppb w.wt +..+.....	<<8.080
CB180 ppb w.wt +..+.....	<28.480
CB209 ppb w.wt +..+.....	<<5.000
CB Σ7 ppb w.wt +..+.....	<<305.960
CB ΣΣ ppb w.wt +..+.....	<<332.640
DDEPP ppb w.wt +..+.....	114.280
TDEPP ppb w.wt +..+.....	<17.880
DD Σ4 ppb w.wt +..+.....	<132.160
HCHA ppb w.wt +..+.....	<7.040
HCHG ppb w.wt +..+.....	<<6.280
HC Σ2 ppb w.wt +..+.....	<<12.520
HCB ppb w.wt +..+.....	21.920a
QCB ppb w.wt +..+.....	<<5.000
OCS ppb w.wt +..+.....	<<5.320

a/A(1) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

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	851111	861119	871111	890116	891113	901204	911003	921230	Mean	Mean
Count	29:29	25:25	25:25	25:25	25	25	25	25	17	24.667	Mean
SampleType(L/B/H)	1.391	2.040	1.190	1.960	4.640	3.280	3.760	2.880	3.647	2.754	Mean
Param. (w,d,l): No.Fo.Ri.	897.207	396.320	588.200	717.240	1140.120	1530.560	1715.880	1524.560	1152.488	1073.619	Mean
I Count	445.517	350.000	397.600	434.400	484.200	528.400	536.800	525.600	467.353	463.319	Mean
Age	21.720	20.106	19.520	20.173	21.612	22.479	19.964	19.408	19.559	20.504	Mean
Year	0.149a	0.096	0.086	0.108	<0.118a	0.144a	0.140a	<0.101a	0.135a	0.108	Mean
Weight	<<0.050a	<<0.050a	<<0.023a	<<0.030a	.	.	.	.	.	<<0.038a	Mean
Length	5.000	3.000	.	.	.	4.000	Mean
Dry	1140.000	1531.000	.	.	.	1335.500	Mean
Fat	484.000	528.000	.	.	.	506.000	Mean
PCB	21.600	22.130	.	.	.	21.865	Mean
Count	0.300	0.440	.	.	.	0.370	Mean
Age	0.030a	<0.020a	.	.	.	<<0.025a	Mean
Year	5:5	5:5	3:3	3.422	Mean
Weight	3.800	2.800	3.667	3.422	Mean
Length	1647.400	1524.400	1235.700	1469.167	Mean
Dry	535.200	525.600	481.000	513.933	Mean
Fat	19.960	19.400	.	19.680	Mean
PCB	0.260	0.500	0.300	0.353	Mean
Count	<0.060	<0.066	0.133	<<0.086	Mean
Age	0.160	0.340	0.200	0.233	Mean
Year	0.222	0.976	1.300	0.833	Mean
Weight	0.904	1.567	1.235	Mean
Length	0.450	2.046	3.367	1.954	Mean
Dry	1.188	3.100	6.233	3.507	Mean
Fat	1.442	3.800	7.333	4.192	Mean
PCB	0.122	0.433	0.278	Mean
Count	0.340	0.858	2.367	1.188	Mean
Age	<<0.050	<<0.056	<<0.100	<<0.069	Mean
Year	<3.862	<11.186a	20.933a	<<11.994a	Mean
Weight	<<3.902	<<12.268a	<<23.033a	<<13.068a	Mean
Length	0.488	1.120	1.867	1.158	Mean
Dry	0.276	0.233	0.255	Mean
Fat	1.596	2.100a	1.328	Mean
PCB	0.488	<<0.050	<<0.100	<<0.121	Mean
Count	0.214	<<0.052	<<0.100	<<0.075	Mean
Age	0.072	<<0.072	<<0.100	<<0.153	Mean
Year	0.286	0.092	0.100	0.093	Mean
Weight	<<0.050	<<0.050	<<0.100	<<0.067	Mean
Length	<<0.050	<<0.052	0.100	<<0.067	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.200	<<0.200	Mean
Weight	<<0.200	<<0.200	Mean
Length	<<0.200	<<0.200	Mean
Dry	<<0.200	<<0.200	Mean
Fat	<<0.200	<<0.200	Mean
PCB	<<0.200	<<0.200	Mean
Count	<<0.200	<<0.200	Mean
Age	<<0.200	<<0.200	Mean
Year	<<0.20		

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

SampleType (I/B/H) Param. (w, d, l) : No.Fo.Ri.	841126		851111		861119		871111		890116		891113		901204		911003		921230		
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
B BBF ppb w.wt	<<0.200
BJKF ppb w.wt	<<0.200
BEP ppb w.wt	<<0.200
BAP ppb w.wt ?	<<0.200
PER ppb w.wt	<<0.200
ICDP ppb w.wt	<<0.200
DEA3A ppb w.wt	<<0.200
BGHIP ppb w.wt	<<0.200
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DI Σ6 ppb w.wt	<<0.200
P Σ20 ppb w.wt	<<0.200
PK Σ7 ppb w.wt	<<0.200
PAHΣΣ ppb w.wt ?	<<0.200

a/A(22) > Exceeds NORMAL limit.

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	.....	19.000
SampleType(I/B/H)		
Param. (w,d,l): No.Fo.Ri.	Mean	
I	Count Min:Max	19
	Age year	4.000
	Wght g	1724.537
	Length mm	534.211
	Dry %	18.879
	Hg ppm w.wt	0.120a
B	Count Min:Max	3:3
	Age year	4.333
	Wght g	1973.700
	Length mm	561.667
	Fat %	0.333
	CB28 ppb w.wt	<<0.100
	CB52 ppb w.wt	<<0.200
	CB101 ppb w.wt	0.800
	CB105 ppb w.wt	0.767
	CB118 ppb w.wt	1.433
	CB138 ppb w.wt	1.733
	CB153 ppb w.wt	1.967
	CB156 ppb w.wt	0.133
	CB180 ppb w.wt	0.533
	CB209 ppb w.wt	<<0.100
	CB 217 ppb w.wt	<<6.733a
	CB 221 ppb w.wt	<<7.700a
	DDEPP ppb w.wt	0.700
	TDEPP ppb w.wt	0.167
	DD 24 ppb w.wt	0.867
	HCHA ppb w.wt	<<0.100
	HCHG ppb w.wt	<<0.100
	HC 22 ppb w.wt	<<0.100
	HCB ppb w.wt	0.100
	OCB ppb w.wt	<<0.100
	OCS ppb w.wt	<<0.100
	NAP ppb w.wt	2.433
	NAP2M ppb w.wt	<<0.433
	NAP1M ppb w.wt	<<0.233
	BIPN ppb w.wt	<<0.200
	NAPDI ppb w.wt	<<0.200
	NAPTM ppb w.wt	<<0.200
	ACNLE ppb w.wt	<<0.200
	ACNE ppb w.wt	<<0.200
	FLE ppb w.wt	<<0.200
	PA ppb w.wt	<<0.200
	ANT ppb w.wt	<<0.200
	PAM1 ppb w.wt	<<0.200
	FLU ppb w.wt	<<0.200
	PYR ppb w.wt	<<0.200
	BAA ppb w.wt	<<0.200
	CHR ppb w.wt	<<0.200
	BBF ppb w.wt	<<0.200
	BJKF ppb w.wt	<<0.200
	BEP ppb w.wt	<<0.200
	BAP ppb w.wt	<<0.200
	PER ppb w.wt	<<0.200
	ICDP ppb w.wt	<<0.200
	DBA3A ppb w.wt	<<0.200
	BGH1P ppb w.wt	<<0.200
	COR ppb w.wt	<<0.200
	DBP ppb w.wt	<<0.200

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

Catch, Date ==>		930314
SampleType (I/B/H)		
Param. (w,d,l): No.Fo.Ri.		Mean
B	DI Σ6 ppb w.wt	<<3.100
	P Σ20 ppb w.wt	<<0.200
	PK Σ7 ppb w.wt	<<0.200
	PAHEΣ ppb w.wt ?	<<3.100

a/A(3) > Exceeds NORMAL limit.

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	821200	Mean
Count		10.000	27.000	18.500
SampleType (I/B/H)				
Param. (w,d,l): No.Fo.Ri.		Mean	Mean	Mean
I	Count	9:10	27:27	.
	Age	1.800	2.423	2.112
	Wght	956.500	1315.630	1136.065
	Length	440.000	519.231	479.615
	Dry	20.720	21.704	21.212
	Fat	0.429	0.322	0.376
	Cd	0.015	.	0.015
	Hg	0.050	r0.103a	r0.076
	Se	.	0.310	0.310
	PCB	0.016a	<<0.050a	<<0.033a

r (2) ! Replaced value.

a/A(4) > Exceeds NORMAL limit.

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.

SampleType(I/B/H)	Param. (w,d,l) : No..Fo..Ri.	Mean										Mean		
		811229	821200	831201	841214	851216	870204	880105	881213	891201	901105	911201	921215	Mean
I	Count	10:10	27:27	23:23	24:24	14:14	25:25	25:25	25	25	25	25	25	22.667
	Min:Max	2.000	2.481	2.565	2.542	14:14	1.783	1.960	3.200	1.720	2.880	3.160	3.160	2.428
	Age	1228.000	1561.481	1579.783	1467.792	1724.500	1388.680	739.400	1470.240	1205.800	1384.000	1378.796	1378.796	1371.268
	Wght	511.000	532.222	510.435	506.667	555.714	491.200	432.600	525.600	481.800	501.600	504.600	504.600	505.321
	Length	19.515	20.407	18.616	20.933	20.821	19.774	20.184	21.288	35.597	20.072	19.520	19.520	21.346
	Dry	0.462	0.200	.	.	.	.	0.114	.	.	.	.	.	0.259
	Fat	<<0.006	0.133a	r<0.175a	0.144a	0.101a	0.094	0.036	0.073	<0.077	0.095	0.072	0.072	<<0.006
	Cd	0.073	0.414	<<0.050a	<<0.050a	<<0.050a	<0.034a	<<0.021a	.	.	.	.	.	r<0.096
	Hg	0.013a	<<0.051a	<<0.050a	<<0.050a	<<0.050a	.	.	.	.	.	.	.	0.414
	Se	.	.	<<0.050a	.	.	.	.	.	.	.	.	.	<<0.038a
	PCE	.	.	<<50.000a	.	.	.	.	.	.	.	.	.	<<50.000a
	DDEPP	.	.	<<50.000a	.	.	.	.	.	.	.	.	.	<<50.000a
	DD-Σ4	.	.	<<10.000a	.	.	.	.	.	.	.	.	.	<<10.000a
	HCB	.	.	.	.	.	.	.	.	.	.	.	.	.
H	Count	.	.	.	.	.	.	.	1	1	.	.	.	2.500
	Min:Max	.	.	.	.	.	.	.	3.000	2.000	.	.	.	1338.000
	Age	.	.	.	.	.	.	.	1470.000	1206.000	.	.	.	504.000
	Year	.	.	.	.	.	.	.	526.000	482.000	.	.	.	27.410
	Wght	.	.	.	.	.	.	.	21.300	33.520	.	.	.	19.760
	Length	.	.	.	.	.	.	.	0.300	0.180	.	.	.	0.393
	mm	.	.	.	.	.	.	.	0.020a	0.050a	.	.	.	<<0.075
	Dry	.	.	.	.	.	.	.	.	.	.	.	.	<<0.091
	%	.	.	.	.	.	.	.	.	.	.	.	.	<<0.139
	Fat	.	.	.	.	.	.	.	.	.	.	.	.	0.147
	PCB	.	.	.	.	.	.	.	.	.	.	.	.	0.401
B	Count	.	.	.	.	.	.	.	.	.	.	.	.	0.469
	Min:Max	.	.	.	.	.	.	.	.	.	.	.	.	0.707
	Age	.	.	.	.	.	.	.	.	.	.	.	.	<<0.075
	Year	.	.	.	.	.	.	.	.	.	.	.	.	<<0.123
	Wght	.	.	.	.	.	.	.	.	.	.	.	.	<<0.070
	Length	.	.	.	.	.	.	.	.	.	.	.	.	<<1.970
	mm	.	.	.	.	.	.	.	.	.	.	.	.	<<2.098
	Dry	.	.	.	.	.	.	.	.	.	.	.	.	<<0.339
	%	.	.	.	.	.	.	.	.	.	.	.	.	<<0.392
	Fat	.	.	.	.	.	.	.	.	.	.	.	.	<<0.153
	PCB	.	.	.	.	.	.	.	.	.	.	.	.	<<0.122
	CB-Σ7	.	.	.	.	.	.	.	.	.	.	.	.	<<0.269
	CB-Σ2	.	.	.	.	.	.	.	.	.	.	.	.	<<0.093
	DDEPP	.	.	.	.	.	.	.	.	.	.	.	.	<<0.067
	TDEPP	.	.	.	.	.	.	.	.	.	.	.	.	<<0.081
	DD-Σ4	.	.	.	.	.	.	.	.	.	.	.	.	2.867
	HCHA	.	.	.	.	.	.	.	.	.	.	.	.	1373.593
	HCHG	.	.	.	.	.	.	.	.	.	.	.	.	507.000
	HCB	.	.	.	.	.	.	.	.	.	.	.	.	507.000
	OCB	.	.	.	.	.	.	.	.	.	.	.	.	19.760
	QCS	.	.	.	.	.	.	.	.	.	.	.	.	0.393

r (2) ! Replaced value.
 a/A(21) > Exceeds NORMAL limit.

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 ==> Count	901104		911001		Mean
		14.000	25.000	Mean	Mean	
SampleType (I/B/H)						
Param. (w,d,l) : No.Fo.Ri.						
I Count Min:Max		14	25			
Age year		2.643	2.680			2.661
Wght g		1753.214	1218.600			1485.907
Length mm		557.857	493.200			525.529
Dry %		19.700	19.132			19.416
Hg ppm w.wt +...+...+...		0.130a	<0.079			<<0.105a
B Count Min:Max		3:3	5:5			
Age year		2.667	2.800			2.733
Wght g		1745.333	1218.400			1481.867
Length mm		557.333	493.200			525.267
Dry %		21.567	19.180			20.373
Fat %		0.300	0.533			0.417
CB28 ppb w.wt +...+...+...		<<0.050	<0.100			<<0.075
CB52 ppb w.wt +...+...+...		<<0.050	<0.100			<<0.075
CB101 ppb w.wt +...+...+...		<<0.053	0.220			<<0.137
CB105 ppb w.wt +...+...+...			0.200			0.200
CB118 ppb w.wt +...+...+...		<<0.133	0.580			<<0.357
CB138 ppb w.wt +...+...+...		0.277	0.940			0.608
CB153 ppb w.wt +...+...+...		0.547	1.560			1.053
CB156 ppb w.wt +...+...+...			<<0.100			<<0.100
CB180 ppb w.wt +...+...+...		0.107	0.300			0.203
CB209 ppb w.wt +...+...+...		0.183	0.440			0.312
CB_Σ7 ppb w.wt +...+...+...		<<1.133	<<3.800			<<2.467
CB_ΣΣ ppb w.wt +...+...+...		<<1.317	<<4.500			<<2.908
DDEPP ppb w.wt +...+...+...		0.190	0.860			0.525
TDEPP ppb w.wt +...+...+...			0.120			0.120
DD_Σ4 ppb w.wt +...+...+...		0.190	0.980			0.585
HCHA ppb w.wt +...+...+...		0.283	<<0.100			<<0.192
HCHG ppb w.wt +...+...+...		0.073	<0.100			<<0.087
HC_Σ2 ppb w.wt +...+...+...		0.357	<<0.180			<<0.268
HCB ppb w.wt +...+...+...		0.117	0.100			0.108
QCB ppb w.wt +...+...+...		<<0.050	<<0.100			<<0.075
OCS ppb w.wt +...+...+...		0.103	0.160			0.132

a/A(2) > Exceeds NORMAL limit.

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.

	901103		911025		921215	
	Count	Mean	Count	Mean	Count	Mean
Catch, Date ==>	25	24	23			
Count	2.760	2.458	3.043			2.754
SampleType (I/B/H)	1532.240	1584.917	1673.487			1596.881
Param. (w,d,l): No.Fo.Ri.	526.800	517.083	513.478			519.121
I Count Min:Max	20.340	20.067	19.252			19.886
Age year	0.102a	<0.066	0.045			<<0.071
Wght g	5:5	5:5	2:4			
Length mm	2.600	2.600	3.000			2.733
Dry %	1532.200	1568.200	1770.350			1623.583
Hg ppm w.wt	526.800	515.600	522.500			521.633
Count Min:Max	20.320	20.080				20.200
Age year	0.280	0.420	0.325			0.342
Wght g	<<0.050	<<0.050	0.150			<<0.083
Length mm	<<0.058	<0.062	<<0.100			<<0.073
Dry %	0.140	0.142	0.125			0.136
Fat %		<0.070	0.100			<<0.085
CB28 ppb w.wt	<0.216	0.196	0.275			<<0.229
CB52 ppb w.wt	0.442	0.364	0.300			0.369
CB101 ppb w.wt	0.664	0.470	0.550			0.561
CB105 ppb w.wt		<<0.050	<<0.100			<<0.075
CB118 ppb w.wt	0.160	0.090	0.125			0.125
CB138 ppb w.wt	<<0.068	<<0.050	<<0.100			<<0.073
CB153 ppb w.wt	<<1.690	<<1.374	<<1.475			<<1.513
CB156 ppb w.wt	<<1.718	<<1.454	<<1.625			<<1.599
CB209 ppb w.wt	0.576	0.422	0.400			0.466
CB Σ7 ppb w.wt		0.110	0.150			0.130
CB ΣΣ ppb w.wt	0.576	0.532	0.550			0.553
DDEPP ppb w.wt	0.174	<<0.050	<<0.100			<<0.108
DD Σ4 ppb w.wt	0.096	0.068	0.100			0.088
HCHA ppb w.wt	0.270	<<0.118	<<0.200			<<0.196
HCHG ppb w.wt	0.100	0.116	0.100			0.105
HC Σ2 ppb w.wt	<<0.050	<<0.050	<<0.100			<<0.067
HCB ppb w.wt	<<0.170	<<0.050	<<0.100			<<0.107
QCB ppb w.wt						
OCS ppb w.wt						

a/A(1) > Exceeds NORMAL limit.

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.

	901007		910930		921215		Mean
	Mean	Mean	Mean	Mean	Mean	Mean	
Catch, Date ==>	25	25	25	25	25	25	
Count	3.360	3.280	3.400	3.480	3.480	3.373	
SampleType (I/B/H)	1073.880	852.960	1576.832	1576.832	1576.832	1167.947	
Param. (w,d,l) : No.Fo.Ri.	515.200	429.600	514.400	514.400	514.400	486.400	
I Count Min:Max	19.428	18.716	19.896	19.896	19.896	19.347	
Age year	0.135a	0.104a	0.075	0.075	0.075	0.104a	
Wght g	5:5	5:5	5:5	5:5	5:5		
Length mm	3.200	3.400	3.400	3.400	3.400	3.333	
Dry %	1074.000	853.000	1576.840	1576.840	1576.840	1167.947	
Hg ppm w.wt +...+...+...	515.200	429.600	514.400	514.400	514.400	486.400	
Count Min:Max	19.440	18.720				19.080	
Age year	0.320	0.460	0.280	0.280	0.280	0.353	
Wght g	<<0.050	<<0.062	<<0.100	<<0.100	<<0.100	<<0.071	
Length mm	<<0.050	<<0.068	<<0.100	<<0.100	<<0.100	<<0.073	
Dry %	<<0.052	0.224	<<0.100	<<0.100	<<0.100	<<0.125	
Fat %		0.194	<<0.100	<<0.100	<<0.100	<<0.147	
CB28 ppb w.wt +...+...+...	<0.088	0.624	0.100	0.100	0.100	<<0.271	
CB52 ppb w.wt +...+...+...	<<0.110	1.364	0.180	0.180	0.180	<<0.551	
CB101 ppb w.wt +...+...+...	0.282	2.318	0.240	0.240	0.240	0.947	
CB105 ppb w.wt +...+...+...		<<0.128	<<0.100	<<0.100	<<0.100	<<0.114	
CB118 ppb w.wt +...+...+...	<<0.056	0.696	<0.100	<0.100	<0.100	<<0.284	
CB138 ppb w.wt +...+...+...	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.067	
CB153 ppb w.wt +...+...+...	<<0.548	<<5.346a	<<0.700	<<0.700	<<0.700	<<2.198	
CB156 ppb w.wt +...+...+...	<<0.548	<<5.658a	<<0.700	<<0.700	<<0.700	<<2.302	
CB Σ7	0.294	0.560	0.140	0.140	0.140	0.331	
DDEPP ppb w.wt +...+...+...		0.126	<<0.100	<<0.100	<<0.100	<<0.113	
TDDEPP ppb w.wt +...+...+...	0.294	0.686	<<0.240	<<0.240	<<0.240	<<0.407	
DD Σ4	0.220	<<0.050	<<0.100	<<0.100	<<0.100	<<0.123	
HCHA ppb w.wt +...+...+...	0.114	<<0.078	<<0.100	<<0.100	<<0.100	<<0.097	
HCHG ppb w.wt +...+...+...	0.334	<<0.108	<<0.100	<<0.100	<<0.100	<<0.181	
HC Σ2	0.082	0.082	<<0.100	<<0.100	<<0.100	<<0.088	
HCB ppb w.wt +...+...+...	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.067	
QCB ppb w.wt +...+...+...	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.067	
OCS ppb w.wt +...+...+...	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.067	

a/A(5) > Exceeds NORMAL limit.

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.

SampleType (I/B/H)	Param. (w,d,l) : No.Fo.Ri.				Mean				Mean
	Count	Min:Max	Mean	Mean	Mean	Mean	Mean	Mean	Mean
I	Count	12	12	25	25	25	25	22	20.167
	Age year	1.727	1.727	2.320	2.320	3.320	3.320	3.333	2.675
	Wght g	829.500	1033.833	730.680	992.280	1552.800	1552.800	1552.800	1027.819
	Length mm	21.699	447.917	390.800	464.400	530.909	530.909	530.909	458.506
	Dry %	1.537	20.809	20.324	19.844	19.462	19.462	19.462	20.428
	Fat %	0.255a	0.234a	0.196a	0.238a	0.399e	0.399e	0.399e	1.537
H	Hg ppm w.wt	1:1	1:1	1:1	1:1	1:1	1:1	1:1	0.265a
	Age year	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
	Wght g	724.000	724.000	724.000	724.000	724.000	724.000	724.000	724.000
	Length mm	401.000	401.000	401.000	401.000	401.000	401.000	401.000	401.000
	Dry %	22.400	22.400	22.400	22.400	22.400	22.400	22.400	22.400
	Fat %	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	Hg ppm w.wt	0.105a	0.105a	0.105a	0.105a	0.105a	0.105a	0.105a	0.105a
	PCB ppm w.wt	0.030a	0.030a	0.030a	0.030a	0.030a	0.030a	0.030a	0.030a
B	Count	3	3	5:5	5:5	4:4	4:4	4:4	2.692
	Age year	1.667	1.667	2.200	3.400	3.500	3.500	3.500	2.692
	Wght g	1034.333	1034.333	725.800	992.600	1648.275	1648.275	1648.275	1100.252
	Length mm	448.333	448.333	389.600	464.400	542.000	542.000	542.000	461.083
	Dry %	22.557	22.557	20.320	19.820	19.820	19.820	19.820	20.899
	Fat %	0.330	0.330	0.460	0.400	0.325	0.325	0.325	0.379
	PCB ppm w.wt	<<0.027a	<<0.027a	<<0.050	<<0.024	<<0.100	<<0.100	<<0.100	<<0.027a
	CB28 ppb w.wt	0.172	0.172	0.172	0.172	0.172	0.172	0.172	<<0.058
	CB52 ppb w.wt	1.084	1.084	1.084	1.084	1.275	1.275	1.275	<<0.103
	CB101 ppb w.wt	0.308	0.308	0.308	0.308	2.225	2.225	2.225	0.840
	CB105 ppb w.wt	2.456	2.456	2.456	2.456	5.100	5.100	5.100	2.225
	CB118 ppb w.wt	3.230	3.230	3.230	3.230	7.075	7.075	7.075	2.621
	CB138 ppb w.wt	3.384	3.384	3.384	3.384	7.725	7.725	7.725	3.664
	CB153 ppb w.wt	0.392	0.392	0.392	0.392	0.900	0.900	0.900	4.007
	CB156 ppb w.wt	<<0.050	<<0.050	<<0.050	<<0.050	0.750	0.750	0.750	0.900
	CB180 ppb w.wt	<<10.758a	<<10.758a	<<10.758a	<<10.758a	<<0.100	<<0.100	<<0.100	0.750
	CB209 ppb w.wt	2.454a	2.454a	2.454a	2.454a	11.350a	11.350a	11.350a	<<0.057
	CB Σ7 ppb w.wt	3.326	3.326	3.326	3.326	5.637a	5.637a	5.637a	<<12.002a
	CB ΣΣ ppb w.wt	2.454a	2.454a	2.454a	2.454a	6.663	6.663	6.663	<<13.047a
	DDEPP ppb w.wt	3.434a	3.434a	3.434a	3.434a	6.079a	6.079a	6.079a	5.637a
	TDEPP ppb w.wt	0.338	0.338	0.338	0.338	12.350a	12.350a	12.350a	6.663
	DD Σ4 ppb w.wt	0.370	0.370	0.370	0.370	<<0.100	<<0.100	<<0.100	0.663
	HCHA ppb w.wt	0.708a	0.708a	0.708a	0.708a	<<0.100	<<0.100	<<0.100	6.079a
	HCHG ppb w.wt	0.114	0.114	0.114	0.114	<<0.100	<<0.100	<<0.100	<<0.154
	HC Σ2 ppb w.wt	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.163
	HCB ppb w.wt	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.280
	QCB ppb w.wt	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	0.081
	OCS ppb w.wt	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.057

a/A(26) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

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 ==> Count SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	871125	881011	891015	901009	911023	921201	Mean
	22.000	25.000	22.000	13.000	20.000	8.000	18.333
I							
Count	22	13	22	13	20	8	
Min:Max	2.727	1.409	1.000	2.385	3.150	2.750	2.484
Age	1536.773	1399.045	1399.000	1411.692	1237.150	1313.500	1379.632
Weight	523.182	514.545	515.000	508.462	501.500	486.250	506.788
Length	20.276	22.099	22.580	20.208	19.120	21.075	20.556
Dry	0.141a	0.102a	0.200	0.163a	<0.118a	0.104a	<0.126a
Hg		1:1				1:1	
Count		3.000	1.000			3.000	2.333
Min:Max		1334.000	1399.000			1463.200	1398.733
Age		493.000	515.000			516.000	508.000
Weight		22.900	22.580			0.300	22.740
Length		0.400	0.200				0.300
Dry		0.085	<0.020a				0.085
Fat							<0.020a
Hg							<0.100
PCB							<0.100
CB28							0.100
CB52							0.100
CB101							0.100
CB105							0.100
CB118							0.300
CB138							0.400
CB153							<0.100
CB156							0.100
CB180							<0.100
CB209							1.400
DD							1.900
DDEPP							0.100
HCHA							0.100
HCHG							0.200
OC							<0.100
QCB							<0.100
OCS							<0.100
B							
Count		3:3		3:3	4:4		2.833
Min:Max		2.667		2.667	3.000		1324.083
Age		1410.667		1410.667	1237.500		505.250
Weight		509.000		509.000	501.500		19.713
Length		20.100		20.100	19.325		0.396
Dry		0.367		0.367	0.425		<<0.050
Fat		<<0.050		<<0.050	<<0.050		<<0.050
CB28		<<0.060		<<0.060	<<0.050		<<0.055
CB52		0.163		0.163	0.098		0.130
CB101					0.083		0.083
CB105					0.220		<<0.232
CB118					0.393		0.433
CB138					0.573		0.611
CB153					<<0.050		<<0.050
CB156					0.110		<<0.155
CB180					<<0.050		<<0.050
CB209					<<1.790		<<1.616
DD					<<1.790		<<1.658
DDEPP					5.567a		4.367a
HCHA					3.168a		0.423
HCHG					5.567a		4.578a
					0.267		<<0.158
					0.103		0.085

Tab.length cont'd GADU MOR, MU, J62, 67B Strandebarrow .

Catch, Date ==> SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	871125		881011		891015		901009		911023		921201	
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
B HC Σ2 ppb w.wt +...+.....	0.370	<<0.118	<<0.244					
HCB ppb w.wt +...+.....	0.117	0.083	0.100					
QCB ppb w.wt +...+.....	<<0.050	<<0.050	<<0.050					
OCS ppb w.wt +...+.....	<<0.050	<<0.050	<<0.050					

a/A(15) > Exceeds NORMAL limit.

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 ==> Count	841000		851127		861118		871020		881117	
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
I Count Min:Max	13:13	10:10	1:1	1:1	1	.	.	.	.	.
Age year	.	3.400	2.000	1.000	1.000	.	.	.	.	2.133
Wght g	1210.769	1348.600	2300.000	60.000	60.000	.	.	.	.	1229.842
Length mm	498.462	481.000	640.000	200.000	200.000	.	.	.	.	454.865
Dry %	20.485	21.510	20.540	.	.	.	.	.	.	20.845
Hg ppm w.wt +...+...+	0.049	0.052	0.025	d0.070?	.	.	.	.	.	0.042
PCB ppm w.wt +...+...+	<<0.050a	<<0.050a	0.040a	.	.	.	.	.	.	<<0.047a
H Count Min:Max	.	.	.	.	.	.	.	.	.	.
Age year	.	.	.	.	.	.	.	.	.	3.000
Wght g	.	.	.	.	.	.	.	.	.	1154.000
Length mm	.	.	.	.	.	.	.	.	.	471.000
Dry %	.	.	.	.	.	.	.	.	.	20.900
Fat %	.	.	.	.	.	.	.	.	.	0.200
Hg ppm w.wt +...+...+	.	.	.	.	.	.	.	.	.	0.044
PCB ppm w.wt +...+...+	.	.	.	.	.	.	.	.	.	<<0.020a

d (1) ! In d.wt basis. (cannot convert to "w.wt").

a/A(6) > Exceeds NORMAL limit.

? (1) > At least one defined limit-level could not be compared as matching basis.

Species : **GADU MOR**, Gadus morhua, GB: Cod, N: Torsk.
 Sample.area: **J99 Undefined**, Tissue : **MUSCLE**.
 Locality : **98B Lille Molla**, Latitude: 68°12.00N, Longitude: 14°48.00E.

Catch, Date ==>	921201
Count	25.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
I Count Min:Max	25
Age Year	4.840
Wght g	2070.240
Length mm	578.400
Dry %	19.192
Hg ppm w.wt +...+...	0.077
B Count Min:Max	4:5
Age Year	4.800
Wght g	2069.440
Length mm	578.400
Fat %	0.320
CB28 ppb w.wt +...+...	<<0.150
CB52 ppb w.wt +...+...	<<0.100
CB101 ppb w.wt +...+...	<<0.120
CB105 ppb w.wt +...+...	<<0.120
CB118 ppb w.wt +...+...	0.220
CB138 ppb w.wt +...+...	0.280
CB153 ppb w.wt +...+...	0.300
CB156 ppb w.wt +...+...	<<0.100
CB180 ppb w.wt +...+...	<<0.120
CB209 ppb w.wt +...+...	<<0.100
CB 27 ppb w.wt +...+...	<<1.200
CB 28 ppb w.wt +...+...	<<1.340
DDEPP ppb w.wt +...+...	0.460
TDEPP ppb w.wt +...+...	<0.200
DD 24 ppb w.wt +...+...	<0.660
HCHA ppb w.wt +...+...	<<0.100
HCHG ppb w.wt +...+...	<<0.100
HC 22 ppb w.wt +...+...	<<0.120
HCB ppb w.wt +...+...	0.160
QCB ppb w.wt +...+...	<<0.100
OCS ppb w.wt +...+...	<<0.100

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	3.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
I Count Min:Max	2:2
Age Year	2.000
Wght g	413.000
Length mm	352.500
Tissue wght g	4.200
Fat %	26.000
Cd ppm w.wt +...+...	1.750
Cu ppm w.wt +...+...	8.000
Pb ppm w.wt +...+...	7.800
Zn ppm w.wt +...+...	27.800
B Count Min:Max	1
Age Year	2.000
Wght g	413.000
Length mm	353.000
Fat %	27.700
PCB ppm w.wt +...+...	1.023

Species : GLYP CYN, Glyptocephalus cynoglossus, GB: Witch, N: Smørflyndre.
 Sample.area: J63 Sørffjorden, Tissue : MUSCLE.
 Locality : 53B Inner Sørffjord, Latitude: 60°10.00N, Longitude: 06°34.00E.

Catch, Date ==>	870222
Count	3.000
SampleType (I/B/H)	Mean
Param. (w,d,l) : No.Fo.Ri.	
I Count Min:Max	3
Age year	2.000
Wght g	361.000
Length mm	348.333
Dry %	20.600
Fat %	0.193
Hg ppm w.wt	0.617

Tab.length cont'd LEPI WHI, LI, J62, 67B Strandebarm

SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	840200		871125		881011		891208		901101		911030		921201	
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
B HCHG	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
HC	ppb	w.wt	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000
HC	ppb	w.wt	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000
QCB	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
OCS	ppb	w.wt	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000	<<2.000	<<20.000
EPOCL	ppm	w.wt	.	.	.	.	2.052	<<0.574	113.124	.	.	.	.	.

s/q(9) ! Suspect value(s)

Species : LEPI WHI, Lepidorhombus whiff-agonis, GB: Megrin, N: Glassvar.
 Sample.area: J62 Hardangerfjorden, Tissue: MUSCLE.
 Locality : 67B Strandebarm, Latitude: 60°16.00N, Longitude: 06°02.00E.

SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	840200		871125		881011		891208		901101		911030		921201	
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
I Count	17	.	.	.	.	.	25	.	.	.	.	.	.	.
Age	7.900	.	.	4.640	.	.	4.640	.	.	.	.	.	.	.
Weight	578.947	.	.	593.680	.	.	415.200	.	.	.	.	.	.	.
Length	411.053	.	.	21.805	.	.	0.359c	.	.	.	.	.	.	.
Dry	21.683	.	.	.	.	.	.	.	.	.	.	.	.	.
Hg	ppm	w.wt	0.379c	.	1	1:1	.	.	.	.	.	.	.	.
Age	6.000	.	.	7.000	.	.	.	.	.	.	.	.	.	.
Weight	509.000	.	.	569.000	.	.	.	.	.	.	.	.	.	.
Length	398.000	.	.	405.000	.	.	.	.	.	.	.	.	.	.
Dry	21.200	.	.	22.200	.	.	.	.	.	.	.	.	.	.
Fat	0.200	.	.	0.200	.	.	.	.	.	.	.	.	.	.
Hg	ppm	w.wt	0.350c	.	0.329c	.	.	.	.	.	.	.	.	.
PCB	ppm	w.wt	<0.020	.	<0.020	.	.	.	.	.	.	.	.	.
Count	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Age	.	.	.	4.800	.	.	5	5:5	.	.	.	.	.	.
Weight	.	.	.	593.800	.	.	415.200	.	.	.	.	.	.	.
Length	.	.	.	21.806	.	.	0.254	.	.	.	.	.	.	.
Dry	.	.	.	.	.	.	<<0.024	.	.	.	.	.	.	.
Fat	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hg	ppm	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
PCB	ppm	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB28	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB52	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB101	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB105	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB118	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB138	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB153	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB156	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB180	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB209	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
CB	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
DDEPP	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
TDEPP	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
DD	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
HCHA	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
HCHG	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
HC	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
HC	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
QCB	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.
OCS	ppb	w.wt	.	.	.	.	.	.	.	.	.	.	.	.

c/c(7) > Exceeds FOOD limit.

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.

	901101		911201		921215		Mean
	Mean	Mean	Mean	Mean	Mean	Mean	
Catch, Date ==>	4:5	4:5	4:5	4:5	5:5		
Count	25.000	25.000	25.000	25.000	25.000	25.000	25.000
SampleType (I/B/H)							
Param. (w,d,l) : No.Fo.Ri.							
B	Count	Min:Max					
	Age	year					
	Wght	g	3.200	292.000	300.700	5.000	4.100
	Length	mm	201.600	289.200	301.400	300.700	264.767
	Tissue wght	g	257.200	4.984	5.276	301.400	282.600
	Dry	%	3.316	35.650	34.260	34.260	4.525
	Fat	%	43.540	21.875	18.620	18.620	37.817
	Cd	ppm w.wt	28.800	0.097	0.242	0.242	23.098
	Cu	ppm w.wt	0.102	7.140	8.824	8.824	0.147
	Pb	ppm w.wt	14.000a	0.066	0.042	0.042	9.988
	Zn	ppm w.wt	0.678a	27.060	33.240	33.240	0.262
	CB28	ppb w.wt	47.980	3.000	<<5.000	<<5.000	36.093
	CB52	ppb w.wt	3.250	<<3.000	<<5.600	<<5.600	<<3.750
	CB101	ppb w.wt	<<3.000	9.500	11.600	11.600	<<3.867
	CB105	ppb w.wt	9.250	11.000	15.000	15.000	10.117
	CB118	ppb w.wt		38.000	54.400	54.400	13.000
	CB138	ppb w.wt	53.250	60.250	92.200	92.200	48.550
	CB153	ppb w.wt	84.500	95.250	141.600	141.600	78.983
	CB156	ppb w.wt	127.500	4.000	<<6.400	<<6.400	121.450
	CB180	ppb w.wt	16.000	11.750	22.200	22.200	<<5.200
	CB209	ppb w.wt	10.750	9.250	9.600	9.600	16.650
	CB Σ7	ppb w.wt	<<296.750	<<220.750	<<328.600	<<328.600	9.867
	CB ΣΣ	ppb w.wt	<<307.500	<<245.000	<<357.600	<<357.600	<<282.033
	DDEPP	ppb w.wt	31.500	32.750	29.400	29.400	<<303.367
	TDEPP	ppb w.wt		4.750	<<5.000	<<5.000	31.217
	DD Σ4	ppb w.wt	31.500	37.500	<<34.400	<<34.400	<<4.875
	HCHA	ppb w.wt	14.250	<<3.000	<<5.000	<<5.000	<<34.467
	HCHG	ppb w.wt	9.250	<<3.000	<<5.000	<<5.000	<<7.417
	HC Σ2	ppb w.wt	23.500	<<5.250	<<5.000	<<5.000	<<5.750
	HCB	ppb w.wt	5.500	<<3.000	<<5.000	<<5.000	<<11.250
	QCB	ppb w.wt	<<2.500	<<3.000	<<5.000	<<5.000	<<4.500
	OCS	ppb w.wt	<<2.250	<<3.000	<<5.000	<<5.000	<<3.500
	EPOCL	ppm w.wt	6.153	3.615			<<3.417
							4.884

a/A(2) > Exceeds NORMAL limit.

Species : LIMA LIM, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 77B Borøy area, Latitude: 58°33.00N, Longitude: 09°01.00E.

Catch, Date ==>	911101
Count	15.000
SampleType (I/B/H)	Mean
Param. (w,d,l): No.Fo.Ri.	
B Count Min:Max	3:3
Wght g	283.667
Length mm	291.333
Tissue wght g	5.113
Dry %	26.033
Fat %	9.800
Cd ppm w.wt ?	0.188
Cu ppm w.wt ?	5.073
Pb ppm w.wt ?	0.220
Zn ppm w.wt ?	33.700
CB28 ppb w.wt	1.333
CB52 ppb w.wt	1.000
CB101 ppb w.wt	2.333
CB105 ppb w.wt	4.000
CB118 ppb w.wt	11.000
CB138 ppb w.wt	14.667
CB153 ppb w.wt	26.667
CB156 ppb w.wt	<<1.000
CB180 ppb w.wt	4.667
CB209 ppb w.wt	10.667
CB_Σ7 ppb w.wt ?	61.667
CB_ΣΣ ppb w.wt ?	<<77.333
DDEPP ppb w.wt	14.000
TDEPP ppb w.wt ?	2.667
DD_Σ4 ppb w.wt ?	16.667
HCHA ppb w.wt ?	<<1.000
HCHG ppb w.wt ?	1.667
HC_Σ2 ppb w.wt ?	<<2.667
HCB ppb w.wt ?	1.333
QCB ppb w.wt	<<1.000
OCS ppb w.wt	1.667
EPOCL ppm w.wt	0.487

Species : LIMA LIM, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 15B Ullerø area, Latitude: 58°03.00N, Longitude: 06°43.00E.

Catch, Date ==>		911025
Count		16.000
SampleType (I/B/H)		
Param. (w,d,l): No.Fo.Ri.		Mean
B	Count Min:Max	3:3
	Age year	2.333
	Wght g	340.000
	Length mm	317.667
	Tissue wght g	7.687
	Dry %	40.933
	Fat %	22.800
	Cu ppm w.wt ?	3.180
	Pb ppm w.wt ?	0.073
	Zn ppm w.wt ?	25.100
	CB28 ppb w.wt	2.333
	CB52 ppb w.wt	3.667
	CB101 ppb w.wt	11.000
	CB105 ppb w.wt	6.333
	CB118 ppb w.wt	17.667
	CB138 ppb w.wt	35.333
	CB153 ppb w.wt	54.000
	CB156 ppb w.wt	2.333
	CB180 ppb w.wt	9.667
	CB209 ppb w.wt	2.333
	CB-Σ7 ppb w.wt ?	133.667
	CB-ΣΣ ppb w.wt ?	144.667
	DDEPP ppb w.wt ?	43.000
	TDEPP ppb w.wt ?	11.000
	DD-Σ4 ppb w.wt ?	54.000
	HCHA ppb w.wt ?	<<2.000
	HCHG ppb w.wt ?	3.000
	HC-Σ2 ppb w.wt ?	<<5.000
	HCB ppb w.wt ?	4.333
	QCB ppb w.wt	<<2.000
	OCS ppb w.wt	2.333
	EPOCL ppm w.wt	296.137

Species : LIMA LIM, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 22F Børøyfjorden, Latitude: 59°43.00N, Longitude: 05°21.00E.

	Catch, Date ==> Count	901021		910901		921215		Mean
		Mean	Mean	Mean	Mean	Mean	Mean	
SampleType (I/B/H)								
Param. (w,d,l) : No.Fo.Ri.								
B Count Min:Max		4:5	4:5	4:4				
Age year		3.200		5.500				4.350
Wght g		167.200	307.400	469.700				314.767
Length mm		264.400	280.000	330.500				291.633
Tissue wght g		3.308	6.078	9.988				6.458
Dry %		36.260	36.025	29.525				33.937
Fat %		22.800	21.775	14.575				19.717
Cd ppm w.wt ?		0.113	0.107	0.138				0.119
Cu ppm w.wt ?		10.412a	5.552	3.443				6.469
Pb ppm w.wt ?		0.338a	0.312a	0.050				0.233
Zn ppm w.wt ?		40.800	30.720	34.925				35.482
CB28 ppb w.wt		2.250	2.250	<<5.000				<<3.167
CB52 ppb w.wt		4.000	2.750	<<5.000				<<3.917
CB101 ppb w.wt		12.750	9.250	10.750				10.917
CB105 ppb w.wt			7.250	7.250				7.250
CB118 ppb w.wt		24.500	19.750	22.250				22.167
CB138 ppb w.wt		42.250	30.500	35.750				36.167
CB153 ppb w.wt		61.750	49.250	56.250				55.750
CB156 ppb w.wt			2.750	<<5.000				<<3.875
CB180 ppb w.wt		18.000	12.500	18.750				16.417
CB209 ppb w.wt		1.750	<<2.000	<<5.000				<<2.917
CB Σ7 ppb w.wt ?		165.500	126.250	<<150.000				<<147.250
CB ΣΣ ppb w.wt ?		167.250	<<138.250	<<157.250				<<154.250
DDEPP ppb w.wt ?		66.000	50.750	41.750				52.833
TDEPP ppb w.wt ?			10.750	<<5.250				<<8.000
DD Σ4 ppb w.wt ?		66.000	61.500	<<47.000				<<58.167
HCHA ppb w.wt ?		16.500	<<2.000	<<5.000				<<7.833
HCHG ppb w.wt ?		6.750	3.250	<<5.000				<<5.000
HC Σ2 ppb w.wt ?		23.250	<<5.250	<<5.000				<<11.167
HCB ppb w.wt ?		6.250	3.000	<<5.000				<<4.750
QCB ppb w.wt		<<2.250	<<2.000	<<5.000				<<3.083
OCS ppb w.wt		<<1.750	<<2.000	<<5.000				<<2.917
EPOCL ppm w.wt		2.110	<<0.050					<<1.080

a/A(3) > Exceeds NORMAL limit.

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.

SampleType (I/B/H)	901101		911201		921215	
	Count	Mean	Count	Mean	Count	Mean
Catch, Date ==>	25.000		25.000		25.000	
Count	25.000		25.000		25.000	
Param. (w,d,l) : No.Fo.Ri.						
B Count	5:5	5:5	5:5	5:5	5:5	5:5
Age	3.200				5.000	
Wght	201.600		292.000		300.700	
Length	257.200		289.200		301.400	
Dry	21.640		20.440		19.440	
Fat	0.720		0.800		0.460	
Hg	0.072		0.074		0.097	
CB28	<0.106		0.092		<0.100	
CB52	<0.118		0.094		<0.100	
CB101	0.500		0.366		0.220	
CB105			0.284		0.380	
CB118	2.344		1.088		1.160	
CB138	3.392		1.744		1.860	
CB153	4.546		2.534		2.580	
CB156			<0.074		0.120	
CB180	0.538		0.302		0.380	
CB209	<0.172		0.242		0.180	
CB Σ7	<<11.534a		6.220		<<6.300	
CB ΣΣ	<<11.686a		<6.820		<<6.980	
DDEPP	1.078		1.074		0.860	
TDEPP			<0.092		<0.100	
DD Σ4	1.078		<1.166		<<0.960	
HCHA	0.572		<0.050		<0.100	
HCHG	0.400		0.092		0.120	
HC Σ2	0.972		<0.142		<0.220	
HCB	0.166		0.092		0.100	
QCB	<<0.054		<0.050		<0.100	
OCS	<<0.050		<0.056		<0.100	
Mean						25.000
Mean						

a/A(2) > Exceeds NORMAL limit.

Species : LIMA LIM, Limanda limanda, GB: Dab, N: Sandflyndre.
 Sample area: J99 Undefined, Tissue : MUSCLE.
 Locality : 15B Ullerø area, Latitude: 58°03.00N, Longitude: 06°43.00E.

Catch, Date ==>	911025
Count	16.000
SampleType (I/B/H)	
Param. (w,d,l) : No.Fo.Pi.	Mean
B Count Min:Max	3:3
Age year	2.333
Wght g	340.000
Length mm	317.667
Dry %	21.367
Fat %	0.867
Hg ppm w.wt ?...+...+	0.103a
CB28 ppb w.wt ...+.....	<<0.087
CB52 ppb w.wt ...+.....	0.147
CB101 ppb w.wt ...+.....	0.357
CB105 ppb w.wt ...+.....	0.193
CB118 ppb w.wt ...+.....	0.570
CB138 ppb w.wt ...+.....	1.097
CB153 ppb w.wt ...+.....	1.697
CB156 ppb w.wt ...+.....	<<0.063
CB180 ppb w.wt ...+.....	0.303
CB209 ppb w.wt ...+.....	0.100
CB_Σ7 ppb w.wt ?...+.....	<<4.257
CB_ΣΣ ppb w.wt ?...+.....	<<4.597
DDEPP ppb w.wt ?...+.....	1.480
TDEPP ppb w.wt ?...+.....	0.260
DD_Σ4 ppb w.wt ?...+.....	1.740
HCHA ppb w.wt ?...+.....	<<0.073
HCHG ppb w.wt ?...+.....	0.137
HC_Σ2 ppb w.wt ?...+.....	<<0.210
HCB ppb w.wt ?...+.....	0.207
QCB ppb w.wt ...+.....	<<0.050
OCS ppb w.wt ...+.....	0.080

a/A(1) > Exceeds NORMAL limit.

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 ==> Count	901021		910901		921215		Mean
	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	
SampleType(I/B/H)	5:5		5:5		4:4		Mean
Param. (w,d,l): No.Fo.Ri.	25.000		25.000		18.000		22.667
B Count	3.200	4:4	307.400	5:5	469.700	5.500	4.350
Age	167.200		280.000		330.500	314.767	314.767
Weight g	264.400		19.620		24.525	22.195	291.633
Length mm	22.440		0.900		0.475	0.678	22.195
Dry %	0.660		0.096		0.246a	0.157a	0.678
Fat %	0.130a		0.120		<<0.100	<<0.090	<<0.090
Hg ppm w.wt ?...+..+	<<0.050		0.140		0.175	0.126	0.126
CB28 ppb w.wt ?...+	0.170		0.500		0.425	0.365	0.365
CB101 ppb w.wt ?...+			0.300		0.275	0.288	0.288
CB105 ppb w.wt ?...+			1.040		0.750	0.720	0.720
CB118 ppb w.wt ?...+	0.370		2.800		1.050	1.089	1.089
CB138 ppb w.wt ?...+	0.578		<0.120		0.125	1.732	1.732
CB153 ppb w.wt ?...+	0.846		<<0.100		0.500	<<0.123	<<0.123
CB156 ppb w.wt ?...+	0.230		<<0.100		0.200	0.450	0.450
CB180 ppb w.wt ?...+	<<0.052		0.860		<<4.550	<<0.117	<<0.117
CB209 ppb w.wt ?...+	<<2.308		2.660		1.525	<<4.573	<<4.573
CB >2/ ppb w.wt ?...+	1.134		0.740		0.375	<<4.950	<<4.950
DBEPP ppb w.wt ?...+			3.400a		1.900	1.773	1.773
TDEPP ppb w.wt ?...+	1.134		<<0.100		0.100	0.558	0.558
DD >4/ ppb w.wt ?...+	0.224		0.180		0.200	2.145	2.145
HCHA ppb w.wt ?...+	0.264		<<0.280		0.300	<<0.141	<<0.141
HCHG ppb w.wt ?...+	0.488		0.134		0.150	0.215	0.215
HC >2/ ppb w.wt ?...+	0.134		<<0.050		<<0.100	<<0.356	<<0.356
HCB ppb w.wt ?...+	<<0.050		<<0.100		<<0.100	0.155	0.155
QCB ppb w.wt ?...+	<<0.050		<<0.100		<<0.100	<<0.075	<<0.075
OCS ppb w.wt ?...+	<<0.050		<<0.100		<<0.100	<<0.083	<<0.083

a/A(4) > Exceeds NORMAL limit.

Species : **MELLA 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 ==> Count	861118		871020		881117		Mean
	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	
SampleType(I/B/H)	13.000		11.000		4.000		9.333
Param. (w,d,l): No.Fo.Ri.							
H Count	2.000	1:1	2.000	1:1	4.000	1:1	2.667
Age	775.000		857.000		828.000	820.000	820.000
Weight g	429.000		433.000		451.000	437.667	437.667
Length mm	26.580		33.500		78.600	30.040	30.040
Tissue weight g	70.860		84.500		61.700	77.987	77.987
Dry %	65.000		65.100		61.700	63.933	63.933
Fat %	0.004		0.127		0.024	0.051	0.051
Cd ppm w.wt	2.849		4.360		2.130	3.113	3.113
Cu ppm w.wt	0.099		<0.169		<0.071	<<0.113	<<0.113
Pb ppm w.wt	7.440		19.900		11.869	13.070	13.070
Zn ppm w.wt	0.340		0.300		0.590	0.410	0.410
PCB ppb w.wt	40.000		50.000		<40.000	<<43.333	<<43.333
DDEPP ppb w.wt	<45.000		60.000		<40.000	<<48.333	<<48.333
DDTTP ppb w.wt	<85.000		110.000		<40.000	<<78.333	<<78.333
DD >4/ ppb w.wt	60.000		40.000		<40.000	<<46.667	<<46.667
HCHG ppb w.wt	60.000		40.000		<40.000	<<46.667	<<46.667
HC >2/ ppb w.wt	20.000		<40.000		<40.000	<<33.333	<<33.333
HCB ppb w.wt	20.000		<40.000		<40.000	<<33.333	<<33.333
EPOCL ppb w.wt	2.350		<0.800		7.670	<<3.607	<<3.607

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 ==> Count	861118		871020		881117		Mean	
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
SampleType(I/B/H)	13.000	11.000	11.000	4.000	4.000	9.333		
Param. (w,d,l): No.Fo.Ri.								
H Count Min:Max	1:1	1:1	1:1	1:1	1:1	1:1		
Age year	2.000	2.000	2.000	4.000	4.000	2.667		
Wght g	775.000	857.000	828.000	828.000	820.000	820.000		
Length mm	429.000	433.000	451.000	451.000	437.667	437.667		
Dry %	22.210	20.500	22.600	22.600	21.770	21.770		
Fat %	0.100	0.100	0.200	0.200	0.150	0.150		
Hg ppm w.wt	0.022	0.076	0.014	0.014	0.037	0.037		
PCB ppm w.wt	<0.020	<0.020	<0.020	<0.020	<0.020	<<0.020		

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 ==> Count	871020		881117		Mean	
	Mean	Mean	Mean	Mean	Mean	Mean
SampleType(I/B/H)	5.000	6.000	6.000	5.500	5.500	
Param. (w,d,l): No.Fo.Ri.						
H Count Min:Max	1:1	1:1	1:1	1:1	1:1	
Age year	1.000	1.000	1.000	1.000	1.000	
Wght g	492.000	404.000	448.000	448.000	448.000	
Length mm	380.000	352.000	366.000	366.000	366.000	
Tissue wght g	22.720	76.800	77.595	77.595	22.720	
Dry %	78.390	61.500	60.850	60.850	77.595	
Fat %	0.071	0.054	0.062	0.062	0.062	
Cd ppm w.wt	6.518	3.863	5.191	5.191	5.191	
Pb ppm w.wt	<0.141	0.077	<<0.109	<<0.109	<<0.109	
Zn ppm w.wt	25.242	18.355	21.798	21.798	21.798	
PCB ppm w.wt	0.440	1.090	0.765	0.765	0.765	
DDEPP ppb w.wt	120.000	140.000	130.000	130.000	130.000	
DDTTP ppb w.wt	340.000	140.000	240.000	240.000	240.000	
DDTTP ppb w.wt	460.000	280.000	370.000	370.000	370.000	
HCHG ppb w.wt	<40.000	<40.000	<40.000	<40.000	<40.000	
HCHG ppb w.wt	<40.000	<40.000	<40.000	<40.000	<40.000	
HCB ppb w.wt	<40.000	<40.000	<40.000	<40.000	<40.000	
EPOCL ppm w.wt	8.120				8.120	

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 ==> Count	871020		881117		Mean	
	Mean	Mean	Mean	Mean	Mean	Mean
SampleType(I/B/H)	5.000	6.000	6.000	5.500	5.500	
Param. (w,d,l): No.Fo.Ri.						
H Count Min:Max	1:1	1:1	1:1	1:1	1:1	
Age year	1.000	1.000	1.000	1.000	1.000	
Wght g	492.000	404.000	448.000	448.000	448.000	
Length mm	380.000	352.000	366.000	366.000	366.000	
Dry %	22.100	21.500	21.800	21.800	21.800	
Fat %	0.300	0.200	0.250	0.250	0.250	
Hg ppm w.wt	0.045	0.043	0.044	0.044	0.044	
PCB ppm w.wt	<0.020	0.020	<<0.020	<<0.020	<<0.020	

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	2.000
SampleType (I/B/H)	
Param. (w,d,l) : No.Fo.Ri.	Mean
H Count	1:1
Age year	5.000
Wght g	372.000
Length mm	310.000
Dry %	36.000
Fat %	14.200
Cd ppm w.wt ?	0.176
Cu ppm w.wt ?	20.160a
Pb ppm w.wt ?	0.122a
Zn ppm w.wt ?	56.520
PCB ppm w.wt ?	0.250a
DDEPP ppb w.wt ?	<40.000a
DDTPP ppb w.wt ?	<40.000a
DDΣ4 ppb w.wt ?	<40.000a
HCHG ppb w.wt ?	<40.000a
HCΣ2 ppb w.wt ?	<40.000a
HCB ppb w.wt ?	<40.000a
EPOCL ppm w.wt	2.500

a/A(9) > Exceeds NORMAL limit.

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	2.000
SampleType (I/B/H)	
Param. (w,d,l) : No.Fo.Ri.	Mean
H Count	1:1
Age year	5.000
Wght g	372.000
Length mm	310.000
Dry %	23.000
Fat %	0.200
Hg ppm w.wt ?...+...	0.012
PCB ppm w.wt ?...+...	<0.020a

a/A(1) > Exceeds NORMAL limit.

Species : PLAT FLE, Platichthys 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	8.000
SampleType (I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
I Count	8:8
Age	4.375
Wght	469.375
Length mm	381.250
Tissue wght	7.625
Dry %	33.624
Fat %	13.211
Cd ppm w.wt ?.....	0.312a
PCB ppm w.wt ?.....	1.068a

a/A(2) > Exceeds NORMAL limit.

Tab. length cont'd PLAT FLE, LI, J26, 33B Sande (east side) .

Catch, Date ==> SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	831229	851113	861119	871110	881001	891018	901113	911023	921012	Mean
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
B CB156 ppb w.wt	3.800	3.560	<<5.000	<<5.000
CB180 ppb w.wt	<<1.000	<<0.500	7.200	4.853
CB209 ppb w.wt	48.800	<34.580	<<106.800a	<<63.393
CB 27 ppb w.wt ?	<<49.800	<<34.980	<<115.400a	<<66.727
CB 22 ppb w.wt ?	22.200	10.680	25.400	<<24.570
DDEPP ppb w.wt	2.860	<<5.000	<40.000a
DDTTP ppb w.wt ?	13.540	<<30.400a	<<3.930
TDEPP ppb w.wt ?	22.200	1.440	<<5.000	<<3.747
DD 24 ppb w.wt ?	4.800	<<0.820	<<5.000	<<11.905a
HCHA ppb w.wt ?	1.800	<<2.260	<<5.000	<<13.465a
HCHG ppb w.wt ?	6.600	<<0.660	<<5.000	<<11.715a
HC 22 ppb w.wt ?	1.200	<<1.000	<<5.000	<<2.167
HCB ppb w.wt	<<1.000	<<0.500	<<5.000	<<2.167
OCB ppb w.wt	1.414	<<0.500	<<5.000	<<2.167
OCS ppb w.wt	4.180	2.176	.	2.590
EPOCL ppm w.wt

s/q(18) ! Suspect value(s)
a/A(70) > Exceeds NORMAL limit.

Species : PLAT FLE, Platichthys flesus, GB: Flounder, N: Skrubbe.
Sample.area: J26 Oslofjorden, Tissue: LIVER.
Locality : 33X Sande (west side), Latitude: 59°31.70N, Longitude: 10°20.40E.

Catch, Date ==> Count SampleType(I/B/H) Param. (w,d,l): No.Fo.Ri.	901106	Mean
B Count	15.000	
Count Min:Max	3:3	
Age	3.667	
Weight g	131.667	
Length mm	238.000	
Tissue weight g	1.633	
Dry %	23.100	
Fat %	3.567	
Cd	0.146	
Cu	23.433	
Pb	0.347a	
Zn	57.800	
CB28	3.000	
CB52	1.667	
CB101	2.000	
CB118	6.667	
CB138	7.000	
CB153	9.000	
CB180	2.667	
CB209	<<1.000	
CB 27 ppb w.wt ?	32.000	
CB 22 ppb w.wt ?	<<33.000	
DDEPP ppb w.wt ?	17.667	
DD 24 ppb w.wt ?	17.667	
HCHA ppb w.wt ?	2.333	
HCHG ppb w.wt ?	1.000	
HC 22 ppb w.wt ?	3.333	
HCB ppb w.wt ?	1.000	
OCB ppb w.wt	<<1.000	
OCS ppb w.wt	<<1.000	
EPOCL ppm w.wt	0.883	

a/A(1) > Exceeds NORMAL limit.

Tab.length cont'd PLAT FLE, LI, J63, 53B Inner Sør fjord .

Catch, Date ==> SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	840317	881118	891228	901012	911003	921215	Mean
	Mean	Mean	Mean	Mean	Mean	Mean	Mean
B HC Σ2 ppb w.wt ?	<34.000a	15.000a	5.000	<<5.000	<<14.750a
HCB ppb w.wt ?	<<20.000a	7.800a	4.000	<<5.600a	<<9.350a
OCB ppb w.wt ?	3.000	<<1.750	<<5.000	<<3.250
OCS ppb w.wt ?	<<1.400	<<1.000	<<5.000	<<2.467
EPOCL ppm w.wt ?	4.780	1.312	6.112	.	4.068

s/q(9) ! Suspect value (s)
a/A(65) > Exceeds NORMAL limit.

Species : PLAT FLE, Platichthys flesus, GB: Flounder, N: Skrubbe.
Sample.area: J26 Oslofjorden, Tissue : MUSCLE.
Locality : 31B Solbergstrand, Latitude: 59°36.90N, Longitude: 10°39.40E.

Catch, Date ==> Count	811223
	Mean
SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	8.000
I Count Min:Max	8:8
Age year	4.375
Wght g	469.375
Length mm	381.250
Dry %	20.685
Fat %	0.857
Cd ppm w.wt +...+...	<<0.015
Hg ppm w.wt +...+...	0.077
PCB ppm w.wt ?	0.060a

a/A(1) > Exceeds NORMAL limit.

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.

SampleType (I/E/H)	831229				851113				861119				871110				881001				891018				901113				911023				921012			
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean					
I Count	25:25	25:25																																		
Age	2.760																																	2.760		
Wght	212.800	175.840																															194.320			
Length	270.800	252.000																															261.400			
Dry %	24.220	19.959																															22.090			
Fat %	0.153a	0.094																															0.124a			
PCB	<<0.050a	<<0.050a																															<<0.050a			
DDEPP	<<50.000a																																<<50.000a			
DD Σ4	<<50.000a																															<<50.000a				
HCB	<<10.000a																																<<10.000a			
H Count			1:1																																	
Age			3.000																																	
Wght			172.000																																	
Length			244.000																																	
Dry %			20.240																																	
Fat %																																				
Hg			0.077																																	
PCB			<0.030a																																	
B Count																																				
Age																																				
Wght																																				
Length																																				
Dry %																																				
Fat %																																				
Hg																																				
PCB																																				
CB28																																				
CB52																																				
CB101																																				
CB105																																				
CB118																																				
CB138																																				
CB153																																				
CB156																																				
CB180																																				
CB209																																				
CB Σ7																																				
CB Σ2																																				
DDEPP																																				
TDEPP																																				
DD Σ4																																				
HCHA																																				
HCHG																																				
HC Σ2																																				
HCB																																				
QCB																																				
OCS																																				

a/A(22) > Exceeds NORMAL Limit.

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	15.000
SampleType (I/B/H)	Mean
Param. (w,d,l) : No.Fo.Ri.	
B Count Min:Max	3
Age year	3.667
Wght g	131.667
Length mm	238.000
Dry %	21.267
Hg ppm w.wt +...+...	0.170a

a/A(1) > Exceeds NORMAL limit.

Species : **PLAT FLE**, Platichthys flesus, GB: Flounder, N: Skrubbe.
 Sample.area: **J63 Sørffjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.

		840317	881118	891228	901012	911003	921215
Catch, Date ==>		22.000	21.000	25.000	25.000	25.000	23.000
Count		22	25	3.391			
SampleType (I/B/H)							
Param. (w,d,l) : No.Fo.Ri.							
I	Count Min:Max						
	Age year						
	Wght g	3.333	3.391				3.362
	Length mm	292.136	290.600				291.368
	Dry %	308.636	277.400				293.018
	Hg ppm w.wt	19.079	24.020				21.549
	Min:Max	0.513e	0.132a				0.323e
H	Age year		1:1				
	Wght g		5.000				5.000
	Length mm		339.000				339.000
	Dry %		297.000				297.000
	Fat %		21.700				21.700
	Hg ppm w.wt		0.500				0.500
	PCB ppm w.wt		0.111a				0.111a
	Min:Max		0.050a				0.050a
B	Age year		5		5:5		5:5
	Wght g		3.800		3.400		3.600
	Length mm		290.800		371.000		380.450
	Dry %		277.400		305.600		311.800
	Fat %		24.018		21.880		21.885
	Hg ppm w.wt		0.534		1.000		0.794
	PCB ppm w.wt		<<0.020a		0.118a		0.122a
	CB28 ppb w.wt				1.162		0.621
	CB52 ppb w.wt				1.906		1.582
	CB101 ppb w.wt				6.698		6.013
	CB105 ppb w.wt						0.880
	CB118 ppb w.wt				4.404		4.475
	CB138 ppb w.wt				5.916		6.132
	CB153 ppb w.wt				6.250		6.223
	CB156 ppb w.wt						0.320
	CB180 ppb w.wt				1.286		1.309
	CB209 ppb w.wt				<<0.050		<<0.083
	CB Σ7 ppb w.wt				27.622a		26.354a
	CB ΣΣ ppb w.wt				<<27.672a		<<26.837a
	DDEPP ppb w.wt				4.914a		4.991a
	TDDEPP ppb w.wt				1.160		0.900
	DD Σ4 ppb w.wt				4.914a		5.591a
	HCHA ppb w.wt				0.414		<<0.278
	HCHG ppb w.wt				0.212		<<0.164
	HC Σ2 ppb w.wt				0.626		<<0.435
	HCB ppb w.wt				0.402a		0.314a
	QCB ppb w.wt				<0.138		<<0.119
	OCS ppb w.wt				<<0.050		<<0.083

a/A(31) > Exceeds NORMAL limit.
 e/E (2) > Exceeds NORMAL and FOOD limits.

Species : **PLEU PLA**, Pleuronectes platessa, GB: Plaice, N: Rødsplette.
 Sample.area: **J26 Oslofjorden**, Tissue : **LIVER**.
 Locality : **30F Oslo City area**, Latitude: 59°47.00N, Longitude: 10°34.00E.

Catch, Date ==>	921215
Count	9.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
B	2:2
Age	3.000
Wght	501.800
Length	347.000
Tissue wght	5.930
Dry	34.200
Fat	19.600
Cd	0.110
Cu	4.675
Pb	0.850a
Zn	40.550
CB28	11.000
CB52	16.000
CB101	27.500
CB105	31.500
CB118	77.000
CB138	69.500
CB153	99.000
CB156	<<5.000
CB180	18.000
CB209	<<5.000
CB 27	318.000a
CB 28	<<357.000a
DDEPP	22.500a
TDEPP	<<5.000
DD 24	<<27.500a
HCHA	<<5.000
HCHG	<<5.000
HC 22	<<5.000
HCB	<<5.000
GCB	<<5.000
OCS	<<5.000
NAP	<<0.200
NAP2M	<<0.700
NAP1M	<<0.500
BIPN	<<0.200
NAPDI	<<0.200
NAP1M	<<0.200
ACNLE	<<0.200
ACNE	<<0.200
FLE	<<0.300
PA	1.000
ANT	1.950
PAM1	<<0.250
FLU	1.400
PYR	0.750
BAA	<<0.200
CHR	0.500
BBF	0.250
BJKF	0.200
BEP	0.250
BAP	<<0.200
PER	<<0.200
ICDP	<<0.200
DBA3A	<<0.200
BGHIP	<<0.200
COR	<<0.200
DBP	<<0.200

Tab.length cont'd PLEU PLA, LI, J26, 30F Oslo City area .

Catch, Date ==>	921215
SampleType (I/B/H)	
Param. (w,d,l) : No.Fo.Ri.	Mean
B DI Σ6 ppb w.wt	<<1.200
P Σ20 ppb w.wt	<<6.850
PK Σ7 ppb w.wt	<<0.650
PAHΣΣ ppb w.wt	<<7.850

a/A(5) > Exceeds NORMAL limit.

Species : PLEU PLA, Pleuronectes platessa, GB: Plaice, N: Rødslette.
 Sample.area: J99 Undefined, Tissue : LIVER.
 Locality : 15B Ullerø area, Latitude: 58°03.00N, Longitude: 06°43.00E.

Catch, Date ==>	921215
Count	13.000
SampleType (I/B/H)	
Param. (w,d,l) : No.Fo.Ri.	Mean
B Count Min:Max	3:3
Age year	4.000
Wght g	602.700
Length mm	367.000
Tissue wght g	8.817
Dry %	30.200
Fat %	13.400
Cd ppm w.wt ?	0.130
Cu ppm w.wt ?	4.360
Pb ppm w.wt ?	0.103
Zn ppm w.wt ?	35.633
CB28 ppb w.wt	<<2.000
CB52 ppb w.wt	<<2.000
CB101 ppb w.wt	2.000
CB105 ppb w.wt	<<2.000
CB118 ppb w.wt	4.000
CB138 ppb w.wt	6.667
CB153 ppb w.wt	10.000
CB156 ppb w.wt	<<2.000
CB180 ppb w.wt	<<2.000
CB209 ppb w.wt	<<2.000
CB Σ7 ppb w.wt ?	<<26.000
CB ΣΣ ppb w.wt ?	<<26.000
DDEPP ppb w.wt ?	4.333
TDEPP ppb w.wt ?	<<2.000
DD Σ4 ppb w.wt ?	<<6.333
HCHA ppb w.wt ?	<<2.000
HCHG ppb w.wt ?	<<2.000
HC Σ2 ppb w.wt ?	<<2.000
OCB ppb w.wt ?	<<2.000
OCS ppb w.wt	<<2.000

Species : **PLEU PLA**, Pleuronectes platessa, GB: Plaice, N: Rødsplette.
 Sample.area: **J26 Oslofjorden**, Tissue : **MUSCLE**.
 Locality : **30F Oslo City area**, Latitude: 59°47.00N, Longitude: 10°34.00E.

Catch, Date ==>	921215
Count	9.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
B Count	2:2
Age	3.000
Wght	501.800
Length	347.000
Fat	0.400
Hg	0.047
CB28	0.350
CB52	0.500
CB101	0.850
CB105	0.850
CB118	1.750
CB138	1.550
CB153	1.750
CB156	0.100
CB180	0.450
CB209	<<0.100
CB Σ7	7.200a
CB ΣΣ	<<8.250a
DDEPP	0.700
TDEPP	0.400
DD Σ4	1.100a
HCHA	<<0.100
HCHG	0.100
HC Σ2	<<0.200
HCB	0.150a
gCB	<<0.100
OCs	<<0.100
NAP	<<0.200
NAP2M	<<0.200
NAP1M	<<0.200
BIPN	<<0.200
NAPDI	<<0.200
NAPTM	<<0.200
ACNLE	<<0.200
ACNE	<<0.200
FLE	<<0.200
PA	<<0.200
ANT	<<0.200
PAM1	<<0.200
FLU	<<0.200
PYR	<<0.200
BAA	<<0.200
CHR	<<0.200
BBF	<<0.200
BJKF	<<0.200
BEP	<<0.200
BAP	<<0.200
PER	<<0.200
ICDP	<<0.200
DBA3A	<<0.200
BGHIP	<<0.200
COR	<<0.200
DBP	<<0.200
DI Σ6	<<0.200
P Σ20	<<0.200
PK Σ7	<<0.200
PAHΣΣ	<<0.200

a/A(4) > Exceeds NORMAL limit.

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	.....	13.000
SampleType (I/B/H)		
Param. (w,d,l) : No.Fo.Ri.		Mean
B	Count	3:3
	Age	4.000
	Wght	602.700
	Length	367.000
	Dry	20.533
	Fat	0.467
	Hg	0.022
	CB28	<<0.100
	CB52	<<0.100
	CB101	<<0.100
	CB105	<<0.100
	CB118	0.167
	CB138	0.300
	CB153	0.400
	CB156	<<0.100
	CB180	0.100
	CB209	<<0.100
	CB Σ7	<<1.133
	CB ΣΣ	<<1.233
	DDEFP	0.233
	TDEFP	<<0.100
	DD Σ4	<<0.333
	HCHA	<<0.100
	HCHG	<<0.100
	HC Σ2	<<0.133
	HCB	0.100
	QCB	<<0.100
	OCS	<<0.100

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.

	851127		861118		881117	
	Mean	Mean	Mean	Mean	Mean	Mean
Catch, Date ==>	16.000	1.000	7.000			8.000
Count						
SampleType (I/B/H)						
Param. (w,d,l): No.Fo.Ri.						
I		1:1				
Count Min:Max		540.000				540.000
Wght g		410.000				410.000
Length mm		12.300				12.300
Tissue wght g		63.960				63.960
Dry %		58.700				58.700
Fat %		0.083				0.083
Cd ppm w.wt		10.106				10.106
Cu ppm w.wt		0.160				0.160
Pb ppm w.wt		38.248				38.248
Zn ppm w.wt		0.620				0.620
PCB ppm w.wt		140.000				140.000
DDEPP ppb w.wt		90.000				90.000
DDTTPP ppb w.wt		230.000				230.000
DD Σ4 ppb w.wt		50.000				50.000
HCHG ppb w.wt		50.000				50.000
HC Σ2 ppb w.wt		40.000				40.000
HCB ppb w.wt		10.200				10.200
EPOCL ppm w.wt						
H		1:1			1:1	
Count Min:Max	3.000		4.000			3.500
Age year						
Wght g	1351.000		1324.000			1337.500
Length mm	501.000		511.000			506.000
Tissue wght g	4.650					4.650
Dry %	71.100		79.100			75.100
Fat %	61.700		60.000			60.850
Cd ppm w.wt	0.070		0.024			0.047
Cu ppm w.wt			2.310			2.310
Pb ppm w.wt			<0.103			<0.103
Zn ppm w.wt			17.798			17.798
PCB ppm w.wt	0.830		1.200			1.015
DDEPP ppb w.wt	115.000		140.000			127.500
DDTTPP ppb w.wt			90.000			90.000
DD Σ4 ppb w.wt	115.000		230.000			172.500
HCHG ppb w.wt			<40.000			<40.000
HC Σ2 ppb w.wt			<40.000			<40.000
HCB ppb w.wt	50.000		<40.000			<40.000
EPOCL ppm w.wt			<40.000			<<45.000
			7.000			7.000

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.

	851127		861118		881117	
	Count	Mean	Count	Mean	Count	Mean
Catch, Date ==>	16.000		1.000		7.000	
Count						
SampleType (I/B/H)						
Param. (w,d,l) : No.Fo.Ri.						
I						
Count	16.000		1.000		7.000	
Min:Max	16:16		1:1			
Age	3.733					3.733
year						
Wght	1351.267		540.000			945.633
g						
Length	500.625		410.000			455.313
mm						
Dry	22.000		21.180			21.590
%						
Hg	0.048		0.030			0.039
ppm w.wt						
PCB	<<0.050		0.040			<<0.045
ppm w.wt						
H						
Count						
Min:Max						
Age						
year						
Wght						
g						
Length						
mm						
Dry						
%						
Fat						
%						
Hg						
ppm w.wt						
PCB						
ppm w.wt						

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.

	881117	
	Count	Mean
Catch, Date ==>	3.000	
Count		
SampleType (I/B/H)		
Param. (w,d,l) : No.Fo.Ri.		
H		
Count	3.000	
Min:Max	1:1	
Age	2.000	
year		
Wght	1079.000	
g		
Length	465.000	
mm		
Dry	80.600	
%		
Fat	64.300	
%		
Cd	0.016	
ppm w.wt		
Cu	7.036	
ppm w.wt		
Pb	0.097	
ppm w.wt		
Zn	21.520	
ppm w.wt		
PCB	0.510	
ppm w.wt		
DDEPP	70.000	
ppb w.wt		
DDTTP	<40.000	
ppb w.wt		
DD Σ4	<110.000	
ppb w.wt		
HCHG	<40.000	
ppb w.wt		
HC Σ2	<40.000	
ppb w.wt		
HCB	<40.000	
ppb w.wt		
EPOCL	1.480	
ppm w.wt		

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	3.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
H Count Min:Max	1:1
Age year	2.000
Wght g	1079.000
Length mm	465.000
Dry %	23.000
Fat %	0.200
Hg ppm w.wt	0.005
PCB ppm w.wt	<0.020

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	10.000
SampleType(I/B/H)	
Param. (w,d,l): No.Fo.Ri.	Mean
I Count Min:Max	10:10
Age year	5.111
Wght g	516.400
Length mm	348.000
Tissue wght g	6.430
Dry %	32.600
ppm w.wt ?	0.416a
Cd ppm w.wt ?	70.360a
Cu ppm w.wt ?	0.199
Pb ppm w.wt ?	68.420
Zn ppm w.wt ?	2:2
B Count Min:Max	5.500
Age year	516.500
Wght g	348.000
Length mm	6.430
Tissue wght g	32.550
Dry %	6.200
Fat %	<<1.000
CB28 ppb w.wt	<<1.000
CB52 ppb w.wt	1.500
CB101 ppb w.wt	1.500
CB118 ppb w.wt	13.500
CB138 ppb w.wt	2.500
CB153 ppb w.wt	1.500
CB180 ppb w.wt	<<1.000
CB209 ppb w.wt	<<22.000
CB >2/ ppb w.wt	<<22.500
CB >2> ppb w.wt	30.000
DDEPP ppb w.wt	30.000
DD >4 ppb w.wt	1.500
HCHA ppb w.wt	<<1.000
HCHG ppb w.wt	<<2.500
HC >2 ppb w.wt	<<1.000
HCB ppb w.wt	<<1.500
OCB ppb w.wt	<<1.000
OCS ppb w.wt	<<1.000
EPOCL ppm w.wt	1.610

a/A(2) > Exceeds NORMAL limit.

Species : **SALM TRU**, Salmo trutta, GB: Sea trout, N: Sjøørret.
 Sample.area: **J63 Sørffjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørffjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.

Catch, Date ==>	901001
Count	10.000
SampleType (I/B/H)	Mean
Param. (w,d,l) : No.Fo.Ri.	
I Count Min:Max	10
Age year	5.111
Wght g	516.400
Length mm	348.000
Dry %	26.710
Hg ppm w.wt ?...+...+	0.100
B Count Min:Max	2:2
Age year	5.500
Wght g	516.500
Length mm	348.000
Dry %	26.700
Fat %	6.800
CB28 ppb w.wt ...+.....	0.265
CB52 ppb w.wt ...+.....	0.400
CB101 ppb w.wt ...+.....	1.395
CB118 ppb w.wt ...+.....	1.185
CB138 ppb w.wt ...+.....	3.155
CB153 ppb w.wt ...+.....	3.265
CB180 ppb w.wt ...+.....	1.505
CB209 ppb w.wt ...+.....	0.275
CB_Σ7 ppb w.wt ?...+.....	11.170
CB_ΣΣ ppb w.wt ?...+.....	11.445
DDEPP ppb w.wt ?...+.....	37.320a
DD_Σ4 ppb w.wt ?...+.....	37.320a
HCHA ppb w.wt ?...+.....	1.895
HCHG ppb w.wt ?...+.....	1.180
HC_Σ2 ppb w.wt ?...+.....	3.075
HCB ppb w.wt ?...+.....	0.870
QCB ppb w.wt	0.200
OCS ppb w.wt	<<0.050

a/A(2) > Exceeds NORMAL limit.

TABLE C

FISH 1981-92

Mean concentrations

Please note that there is a current need to update the assumed limits to which these mean concentrations are compared in the light of recent data and improved analytical techniques. This is especially relevant for PAHs, PCBs and other chlororganic compounds, but also some metal values.

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

```

----- : -----
Table-File-Name      : I:\TBX\JMG\BIO\TAB-3SHL.WET
Limit-CheckFile     : )LIM\NI941229.SHL
Weight basis        : "WET.weight".
Table SORT-Mode     : 1. SPECIES.
                   : 2. TISSUE.
                   : 3. LOCALITY-index.  (Predefined sequence)
----- : -----

```

NOTES :

- ☞ 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.
- ☞ 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.
If capital letters are referenced from exceed-limits, this means that at least one defined limit-level (normal, food or risky) could not be checked due to basis conversion problems.
 - 2: a count (in paranthesis)
 - 3: a "!" or ">"
"!" refer to notes BEFORE numeric values.
">" refer to notes AFTER numeric values.
 - 4: The footnote explanation.
- ☞ The "No.Fo.Ri." column shows the status defined for NORMAL , FOOD and RISKY limits for contaminants, respectively. Each of these may be expressed in a wet (w), dry (d) and lipid (l) basis indicated by three characters, respectively, below the limit type. Each character may be qualified three ways :
 - "+" : Limit is defined.
 - "?" : Limit is uncertain.
 - "." : Limit is not defined.
- ☞ Where limits are given in more than one basis, then the displayed value is compared first to limit in displayed basis (wet or dry). If this is undefined, then the value is compared to the limit on the other basis (wet or dry).
If neither is defined, then the value is compared to the limit on a lipid basis (assuming conversion of basis is possible).

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.

Date	821014		851016		901106	
	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3	2:3	2:3	3:3	3:3	3:3
No of Shell	51.000	52.000	52.000	66.667	66.667	56.556
Length.min mm	30.000	30.000	30.000	30.000	30.000	30.000
Length.max mm	40.000	39.000	39.000	39.000	39.000	39.333
Length.mean mm	35.333	34.333	34.333	34.667	34.667	34.778
Shell wght g	.	2.267	2.267	2.233	2.233	2.250
Tissue wght g	.	2.127	2.127	1.667	1.667	1.897
Dry %	.	13.600	13.600	17.633	17.633	15.617
Fat %	0.830	0.833	0.833	.	.	0.832
Cd ppm w.wt +...+.	0.320a	0.368a	0.368a	0.103	0.103	0.264
Cu ppm w.wt +...+.	.	.	.	1.567	1.567	1.567
Hg ppm w.wt +...+.	0.028	0.027	0.027	0.020	0.020	0.025
Mn ppm w.wt +...+.	.	1.149	1.149	.	.	1.149
Pb ppm w.wt +...+.	.	0.130	0.130	0.223	0.223	0.177
Zn ppm w.wt +...+.	.	14.168	14.168	21.667	21.667	17.917
PCB ppb w.wt +...+.	55.667a	21.500a	21.500a	.	.	38.583a
HCB ppb w.wt +...+.	.	<<0.367a	<<0.367a	.	.	<<0.367a

a/A(7) > Exceeds NORMAL limit.

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.

Date	821014		851015		901106	
	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3	2:3	2:3	3:3	3:3	3:3
No of Shell	48.333	52.000	52.000	62.333	62.333	54.222
Length.min mm	30.000	30.000	30.000	30.000	30.000	30.000
Length.max mm	40.000	39.000	39.000	39.000	39.000	39.333
Length.mean mm	35.667	35.000	35.000	34.333	34.333	35.000
Shell wght g	.	1.967	1.967	1.733	1.733	1.850
Tissue wght g	.	1.587	1.497	1.497	1.542	1.542
Dry %	.	10.500	13.467	11.983	11.983	11.983
Fat %	0.733	0.700	0.700	.	.	0.717
Cd ppm w.wt +...+.	0.310a	0.340a	0.340a	0.133	0.133	0.261
Cu ppm w.wt +...+.	.	.	.	1.500	1.500	1.500
Hg ppm w.wt +...+.	0.032a	0.058a	0.058a	0.040a	0.040a	0.043a
Mn ppm w.wt +...+.	.	1.077	1.077	.	.	1.077
Pb ppm w.wt +...+.	.	0.070	0.070	0.113	0.113	0.092
Zn ppm w.wt +...+.	.	13.621	13.621	20.333	20.333	16.977
PCB ppb w.wt +...+.	35.333a	<<21.000a	<<21.000a	.	.	<<28.167a
DDIEP ppb w.wt +...+.	.	<<1.000	<<1.000	.	.	<<1.000
DD 24 ppb w.wt +...+.	.	<<1.000	<<1.000	.	.	<<1.000
HCB ppb w.wt +...+.	.	0.550a	0.550a	.	.	0.550a

a/A(11) > Exceeds NORMAL limit.

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.

Date	821014		851015		901106	
	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	2:2	2:3	2:3	1:3		
No of Shell	50.000	34.333	34.333	66.667	50.333	
Length.min mm	35.000	30.000	30.000	30.000	31.667	
Length.max mm	45.000	38.667	38.667	39.000	40.889	
Length.mean mm	40.500	34.333	34.333	34.667	36.500	
Shell wght g	.	3.400	3.400	2.500	2.950	
Tissue wght g	.	2.573	2.573	1.740	2.157	
Dry %	.	19.897	19.897	17.767	18.832	
Fat %	0.650	1.167	1.167	1.440	1.086	
Cd ppm w.wt +...+..	0.220	0.190	0.190	0.087	0.166	
Cu ppm w.wt +...+..	.	.	.	1.200	1.200	
Hg ppm w.wt +...+..	0.022	0.029	0.029	0.020	0.024	
Mn ppm w.wt +...+..	.	0.813	0.813	.	0.813	
Pb ppm w.wt +...+..	.	0.095	0.095	0.187	0.141	
Zn ppm w.wt +...+..	.	14.787	14.787	25.000	19.894	
PCB ppb w.wt +...+..	15.000a	<<15.333a	<<15.333a	9.800	<<13.378a	
CB28 ppb w.wt +...+..	.	.	.	<0.200	<0.200	
CB52 ppb w.wt +...+..	.	.	.	<0.400	<0.400	
CB101 ppb w.wt +...+..	.	.	.	0.920	0.920	
CB118 ppb w.wt +...+..	.	.	.	0.520	0.520	
CB138 ppb w.wt +...+..	.	.	.	0.880	0.880	
CB153 ppb w.wt +...+..	.	.	.	1.000	1.000	
CB180 ppb w.wt +...+..	.	.	.	0.097	0.097	
CB Σ7 ppb w.wt +...+..	.	.	.	<3.817	<3.817	
CB ΣΣ ppb w.wt +...+..	.	.	.	<3.817	<3.817	
DDTEP ppb w.wt +...+..	.	0.900	0.900	0.690	0.795	
DD Σ4 ppb w.wt +...+..	.	0.900	0.900	0.690	0.795	
HCHG ppb w.wt +...+..	.	.	.	0.300	0.300	
HC Σ2 ppb w.wt +...+..	.	.	.	0.300	0.300	
HCB ppb w.wt +...+..	.	<<0.567a	<<0.567a	0.064	<<0.315a	
EPOCL ppb w.wt ?	.	.	.	220.000a	220.000a	

a/A(7) > Exceeds NORMAL limit.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **301 Akerhuskaia**, Latitude: 59°54.23N, Longitude: 10°45.47E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
	Count Min:Max	2:2
	No of Shell	45.000
	Length.min mm	40.000
	Length.max mm	50.000
	Length.mean mm	44.500
	Shell wght g	5.250
	Tissue wght g	3.515
	Dry %	21.450
	Fat %	2.450
	Cd ppm w.wt +.+.+.+.+	0.270
	Cu ppm w.wt +.+.+.+.+	1.445
	Hg ppm w.wt +.+.+.+.+	0.010
	Pb ppm w.wt +.+.+.+.+	0.940e
	Zn ppm w.wt +.+.+.+.+	33.000a
	CB28 ppb w.wt +.+.+.+.+	1.000
	CB52 ppb w.wt +.+.+.+.+	3.400
	CB101 ppb w.wt +.+.+.+.+	11.450
	CB105 ppb w.wt +.+.+.+.+	3.500
	CB118 ppb w.wt +.+.+.+.+	10.400
	CB138 ppb w.wt +.+.+.+.+	12.100
	CB153 ppb w.wt +.+.+.+.+	10.550
	CB156 ppb w.wt +.+.+.+.+	0.800
	CB180 ppb w.wt +.+.+.+.+	0.650
	CB209 ppb w.wt +.+.+.+.+	<<0.100
	CB 27 ppb w.wt +.+.+.+.+	49.550a
	CB 22 ppb w.wt +.+.+.+.+	<<53.950a
	DDEPP ppb w.wt +.+.+.+.+	1.450
	TDEPP ppb w.wt +.+.+.+.+	1.950
	DD 24 ppb w.wt +.+.+.+.+	3.400a
	HCHA ppb w.wt +.+.+.+.+	0.200
	HCHG ppb w.wt +.+.+.+.+	0.400
	HC 22 ppb w.wt +.+.+.+.+	0.600
	HCB ppb w.wt +.+.+.+.+	0.300a
	QCB ppb w.wt +.+.+.+.+	0.100
	OCS ppb w.wt +.+.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+.+	7.450
	NAP2M ppb w.wt +.+.+.+.+	20.500
	NAP1M ppb w.wt +.+.+.+.+	16.500
	BIPN ppb w.wt +.+.+.+.+	1.400
	NAPDI ppb w.wt +.+.+.+.+	6.150
	NAPTM ppb w.wt +.+.+.+.+	10.300
	ACNLE ppb w.wt +.+.+.+.+	1.800
	ACNE ppb w.wt +.+.+.+.+	3.000
	FLE ppb w.wt +.+.+.+.+	4.400
	PA ppb w.wt +.+.+.+.+	20.000
	ANT ppb w.wt +.+.+.+.+	3.800
	PAM1 ppb w.wt +.+.+.+.+	15.500
	FLU ppb w.wt +.+.+.+.+	56.000
	PYR ppb w.wt +.+.+.+.+	46.500
	BAA ppb w.wt +.+.+.+.+	9.250
	CHR ppb w.wt +.+.+.+.+	24.500
	BBF ppb w.wt +.+.+.+.+	7.950
	BJKF ppb w.wt +.+.+.+.+	2.950
	BEP ppb w.wt +.+.+.+.+	11.500
	BAP ppb w.wt +.+.+.+.?	2.300a
	PER ppb w.wt +.+.+.+.+	1.700
	ICDP ppb w.wt +.+.+.+.+	2.150
	DBA3A ppb w.wt +.+.+.+.+	0.600
	BGHIP ppb w.wt +.+.+.+.+	3.100

Tab.length cont'd MYTI EDU, SB, J26, 301 Akershuskaia .

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DI Σ26 ppb w.wt	62.500
P Σ20 ppb w.wt	<<217.200
PK Σ7 ppb w.wt	<<25.400
PAHΣΣ ppb w.wt ?	<<279.500a

a/A(7) > Exceeds NORMAL limit.
e/E(1) > Exceeds NORMAL and FOOD limits.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
Sample.area: J26 Oslofjorden, Tissue: Whole SOFT BODY.
Locality : 302 Ormøya, Latitude: 59°52.69N, Longitude: 10°45.46E.

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:2
No of Shell	50.000
Length.min mm	40.000
Length.max mm	50.000
Length.mean mm	45.500
Shell wght g	5.700
Tissue wght g	3.580
Dry %	21.550
Fat %	1.900
Cd ppm w.wt	0.205
Cu ppm w.wt	1.250
Hg ppm w.wt	0.010
Pb ppm w.wt	0.475
Zn ppm w.wt	28.000
CB28 ppb w.wt	0.600
CB52 ppb w.wt	1.450
CB101 ppb w.wt	3.150
CB105 ppb w.wt	0.950
CB118 ppb w.wt	2.550
CB138 ppb w.wt	2.950
CB153 ppb w.wt	3.050
CB156 ppb w.wt	0.200
CB180 ppb w.wt	0.200
CB209 ppb w.wt	<<0.100
CB Σ7 ppb w.wt	13.950a
CB ΣΣ ppb w.wt	<<15.200a
DDEPP ppb w.wt	0.700
TDEPP ppb w.wt	0.700
DD Σ4 ppb w.wt	1.400
HCHA ppb w.wt	0.200
HCHG ppb w.wt	0.300
HC Σ2 ppb w.wt	0.500
HCB ppb w.wt	0.200
QCB ppb w.wt	<<0.100
OCS ppb w.wt	<<0.100

a/A(2) > Exceeds NORMAL limit.

Species : **MYTI** EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26** Oslofjorden, Tissue : **Whole SOFT BODY**.
 Locality : **303** Malmøya, Latitude: 59°51.78N, Longitude: 10°45.95E.

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	50.000
Length.min mm	40.000
Length.max mm	49.000
Length.mean mm	45.000
Shell wght g	4.600
Tissue wght g	2.290
Dry %	18.500
Fat %	1.300
CB28 ppb w.wt	0.300
CB52 ppb w.wt	0.600
CB101 ppb w.wt	1.700
CB105 ppb w.wt	0.800
CB118 ppb w.wt	1.900
CB138 ppb w.wt	1.900
CB153 ppb w.wt	1.900
CB156 ppb w.wt	0.100
CB180 ppb w.wt	0.100
CB209 ppb w.wt	<0.100
CB_Σ7 ppb w.wt	8.400a
CB_ΣΣ ppb w.wt	<9.400a
DDEPP ppb w.wt	0.500
TDEPP ppb w.wt	0.400
DD_Σ4 ppb w.wt	0.900
HCHA ppb w.wt	0.100
HCHG ppb w.wt	0.300
HC_Σ2 ppb w.wt	0.400
HCB ppb w.wt	0.100
QCB ppb w.wt	<0.100
OCS ppb w.wt	<0.100

a/A(2) > Exceeds NORMAL limit.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
 Locality : 304 Gåsøya, Latitude: 59°51.11N, Longitude: 10°35.51E.

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:3
No of Shell	65.667
Length.min mm	30.000
Length.max mm	39.000
Length.mean mm	34.667
Shell wght g	2.900
Tissue wght g	1.383
Dry %	19.600
Fat %	1.867
Cd	0.240
Cu	1.170
Hg	0.010
Pb	0.430
Zn	27.333
CB28	0.500
CB52	0.867
CB101	2.367
CB105	0.867
CB118	2.233
CB138	2.267
CB153	2.400
CB156	<<0.100
CB180	0.100
CB209	<<0.100
CB 27	10.733a
CB 28	<<11.767a
DDEPP	0.800
TDEPP	0.800
DD 24	1.600
HCHA	0.167
HCHG	0.333
HC 22	0.500
HCB	0.167
QCB	<<0.100
OCS	<<0.100
NAP	5.050
NAP2M	4.300
NAP1M	4.700
BIPN	1.700
NAPDI	4.450
NAP1M	4.150
ACNLE	0.550
ACNE	0.600
FLE	1.550
PA	4.350
ANT	0.850
PAM1	2.850
FLU	12.850
PYR	8.950
BAA	2.600
CHR	6.450
BBF	2.800
BJKF	1.050
BEP	2.950
BAP	0.600
PER	<<0.250
ICDP	0.950
DBA3A	<<0.200
BGHIP	1.000

Tab.length cont'd MYTI EDU, SB, J26, 304 Gåsøya .

Date	921102	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	24.350	
P_Σ20 ppb w.wt	<<51.500	
PK_Σ7 ppb w.wt	<<8.200	
PAH_ΣΣ ppb w.wt ?	<<75.650a	

a/A(3) > Exceeds NORMAL limit.

Species : **MYTI EDD**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **305 Lysaker**, Latitude: 59°54.36N, Longitude: 10°38.60E.

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:2
No of Shell	50.000
Length.min mm	40.000
Length.max mm	49.000
Length.mean mm	44.000
Shell wght g	5.800
Tissue wght g	3.585
Dry %	16.750
Fat %	1.500
Cd ppm w.wt +.+.+.+.+	0.355a
Cu ppm w.wt +.+.+.+.+	1.145
Hg ppm w.wt +.+.+.+.+	0.020
Pb ppm w.wt +.+.+.+.+	0.920e
Zn ppm w.wt +.+.+.+.+	30.000
CB28 ppb w.wt +.+.+.+.+	0.400
CB52 ppb w.wt +.+.+.+.+	1.100
CB101 ppb w.wt +.+.+.+.+	2.950
CB105 ppb w.wt +.+.+.+.+	1.200
CB118 ppb w.wt +.+.+.+.+	2.950
CB138 ppb w.wt +.+.+.+.+	3.100
CB153 ppb w.wt +.+.+.+.+	3.250
CB156 ppb w.wt +.+.+.+.+	0.200
CB180 ppb w.wt +.+.+.+.+	0.200
CB209 ppb w.wt +.+.+.+.+	<<0.100
CB 27 ppb w.wt +.+.+.+.+	13.950a
CB 22 ppb w.wt +.+.+.+.+	<<15.450a
DDEPP ppb w.wt +.+.+.+.+	0.800
DEPP ppb w.wt +.+.+.+.+	0.650
DD 24 ppb w.wt +.+.+.+.+	1.450
HCHA ppb w.wt +.+.+.+.+	0.100
HCHG ppb w.wt +.+.+.+.+	0.200
HC 22 ppb w.wt +.+.+.+.+	0.300
HCB ppb w.wt +.+.+.+.+	0.100
QCB ppb w.wt +.+.+.+.+	<<0.100
OCB ppb w.wt +.+.+.+.+	<<0.100
NAP ppb w.wt +.+.+.+.+	4.450
NAP2M ppb w.wt +.+.+.+.+	6.650
NAP1M ppb w.wt +.+.+.+.+	5.550
BIPN ppb w.wt +.+.+.+.+	0.700
NAPDI ppb w.wt +.+.+.+.+	2.150
NAPTM ppb w.wt +.+.+.+.+	6.200
ACNLE ppb w.wt +.+.+.+.+	0.500
ACNE ppb w.wt +.+.+.+.+	0.700
FLE ppb w.wt +.+.+.+.+	1.450
PA ppb w.wt +.+.+.+.+	6.950
ANT ppb w.wt +.+.+.+.+	1.650
PAM1 ppb w.wt +.+.+.+.+	13.000
FLU ppb w.wt +.+.+.+.+	19.000
PYR ppb w.wt +.+.+.+.+	19.500
BAA ppb w.wt +.+.+.+.+	6.450
BBF ppb w.wt +.+.+.+.+	15.500
BBF ppb w.wt +.+.+.+.+	9.000
BJKF ppb w.wt +.+.+.+.+	3.350
BEP ppb w.wt +.+.+.+.+	8.150
BAP ppb w.wt +.+.+.+.+	2.500a
PER ppb w.wt +.+.+.+.+	1.350
ICDP ppb w.wt +.+.+.+.+	2.850
DBA3A ppb w.wt +.+.+.+.+	0.600
BGHIP ppb w.wt +.+.+.+.+	2.900

Tab.Length cont'd MYTI EDU, SB, J26, 305 Lysaker .

Date	921102
Param (w,d,l): No.Fo.Ri.	Mean
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DT Σ26 ppb w.wt	25.700
P Σ20 ppb w.wt	<<115.600
PK Σ7 ppb w.wt	<<24.950
PAHΣΣ ppb w.wt ?	<<141.300a

a/A(5) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

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.

Date	921106
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:3
No of Shell	50.000
Length.min mm	30.000
Length.max mm	39.000
Length.mean mm	34.333
Shell wght g	3.033
Tissue wght g	1.717
Dry %	17.667
Fat %	1.700
Cd ppm w.wt	0.213
Cu ppm w.wt	1.107
Hg ppm w.wt	0.010
Pb ppm w.wt	0.300
Zn ppm w.wt	27.800
CB28 ppb w.wt	0.300
CB52 ppb w.wt	0.400
CB101 ppb w.wt	1.200
CB105 ppb w.wt	0.500
CB118 ppb w.wt	1.150
CB138 ppb w.wt	1.100
CB153 ppb w.wt	1.150
CB156 ppb w.wt	<<0.100
CB180 ppb w.wt	0.100
CB209 ppb w.wt	<<0.100
CB Σ27 ppb w.wt	5.400a
CB ΣΣΣ ppb w.wt	<<6.000a
DDEPP ppb w.wt	0.550
TDEPP ppb w.wt	0.550
DD Σ4 ppb w.wt	1.100
HCHA ppb w.wt	0.100
HCHG ppb w.wt	0.300
HC Σ2 ppb w.wt	0.400
HCB ppb w.wt	0.100
QCB ppb w.wt	<<0.100
OCS ppb w.wt	<<0.100

a/A(2) > Exceeds NORMAL limit.

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.

Date	841011	851029	861020	871012	881107	891018	901107	911009	921102	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3	2:3	1:3	3:3	2:3	1:3	3:3	3:3	2:3	
No of Shell	53.333	54.000	48.667	38.000	66.333	66.333	66.667	66.667	66.667	58.519
Length.min mm	30.000	30.000	31.000	30.000	30.000	31.000	30.000	30.000	30.000	30.222
Length.max mm	40.000	39.000	39.000	39.000	38.333	39.000	39.000	39.000	39.000	39.037
Length.mean mm	34.667	35.333	34.667	35.250	34.000	35.000	35.000	34.667	34.333	34.769
Shell weight g	3.333	3.100	3.333	3.625	1.900	1.933	2.133	2.867	3.167	2.821
Tissue weight g	1.390	2.550	1.827	2.965	2.120	1.680	1.283	1.670	1.483	1.885
Dry %	17.533	22.333	19.333	21.350	17.467	23.033	16.467	17.733	19.933	19.465
Fat %	0.960	1.600	1.700	2.000	1.717	2.793	1.200	1.600	1.733	1.700
Cd	0.187	0.192	0.270	0.135	0.108	0.163	0.120	0.157	0.230	0.174
Cu	0.022	0.016	0.029	<<0.011	0.032a	1.373	1.800	1.910	1.321	1.321
Hg	0.713	0.856	0.780e	0.303	0.235	0.320	0.317	0.247	0.763e	0.785
Mn	0.043	0.550e	26.967	25.221	16.653	19.067	26.367	21.833	29.567	0.439
Pb	22.600	20.906	55.000a	57.667a	41.000a	31.333a	49.667a	43.333a	55.042a	23.242
PCB	70.333a	92.000a			0.100	2.400	0.403	<<0.333	0.567	<<0.761
CB28					0.600	4.100	1.867	1.500	1.167	2.178
CB52					3.833	3.433	3.600	2.333	3.633	3.128
CB101					2.100				1.367	1.367
CB105									1.367	1.367
CB118						2.233	3.233	3.633	3.833	3.233
CB138					5.500	4.600	5.133	3.667	4.667	4.713
CB153					4.567	5.567	4.900	3.367	4.767	4.633
CB156									0.267	0.267
CB180									0.267	0.267
CB209					0.567	0.733	<<0.317	<<0.367	0.233	<<0.453
CB27					8.067a	23.067a	<<19.453a	<<15.133a	<<0.100	<<0.100
CB28					8.067a	23.067a	<<19.453a	<<15.133a	18.867a	<<16.326a
DDEP1									<<20.600a	<<16.614a
DDEP2									1.067	1.067
DDEP3									2.279a	2.279a
DDEP4									0.833	0.833
HCHA					1.867	1.500	1.200	1.533	1.900	0.833
HCHG									0.200	0.200
HC									0.333	<<9.880a
HCB									0.533	<<9.913a
OCB									0.167	<<0.236a
OCS									<<0.100	<<0.100
EOCL									<<0.100	<<0.100
EPOCL									2600.000	2600.000
NAP					373.333a	193.333a	1366.667a	223.333a	454.722a	454.722a
NAP2M									5.450	5.450
NAP1M									6.100	6.100
B1PN									5.000	5.000
NAPDI									0.600	0.600
NAP1M									1.200	1.200
ACNLE									2.000	2.000
ACNE									0.650	0.650
FLE									0.600	0.600
PA									0.650	0.650
ANT									3.100	3.100
PAM1									0.800	0.800
FLU									2.450	2.450
PYR									12.500	12.500
BAA									9.950	9.950
CHR									2.500	2.500
BBF									5.550	5.550
BJKF									2.500	2.500
BEP									0.950	0.950
									3.400	3.400

Tab. length cont'd MYTI EDU, SB, J26, 30A Gressholmen .

Date	841011 851029 861020 871012 881107 891018 901107 911009 921102									
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
BAP ppb w.wt ?	0.500
PER ppb w.wt	0.300
ICDP ppb w.wt	0.750
DBA3A ppb w.wt	<<0.200
BGHIP ppb w.wt	0.750
COR ppb w.wt	<<0.200
DBP ppb w.wt	<<0.200
DJ Σ6 ppb w.wt	20.350
P Σ20 ppb w.wt	<<48.100
PK Σ7 ppb w.wt	<<7.400
PAHΣΣ ppb w.wt ?	<<68.450a

s/q(1) ! Suspect value(s)
a/A(54) > Exceeds NORMAL limit.
e/E(3) > Exceeds NORMAL and FOOD limits.

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.

Date	811229 830302 831012 841011 851024 861020 871105 881102 891018 901107 911009 921106											
	Param (w,d,l) : No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	2:2	2:3	3:3	2:3	3:3	3:3	3:3	1:3	3:3	3:3	3:3	3:3
No of Shell	50.000	50.000	53.333	53.333	53.333	49.667	69.000	66.000	66.667	66.667	66.667	66.667
Length.min mm	35.000	30.000	30.000	30.000	30.000	30.000	30.333	30.333	30.333	30.000	30.000	30.000
Length.max mm	50.000	40.000	40.000	39.000	39.000	38.667	39.000	39.000	39.000	39.000	39.000	39.000
Length.mean mm	42.000	35.667	34.667	35.000	34.333	34.333	35.333	35.333	35.333	34.000	34.000	35.417
Shell wght g	.	.	.	3.200	3.300	3.500	2.267	2.400	2.833	3.167	2.944	2.944
Tissue wght g	.	.	.	2.700	1.933	3.177	2.493	2.560	1.540	1.827	1.827	2.236
Dry %	.	.	19.367	14.333	23.767	20.597	23.233	27.400	17.400	16.633	19.967	20.410
Fat %	.	.	1.193	0.800	2.733	1.530	2.517	2.930	1.227	1.367	1.967	1.849
Cd ppm w.wt +.+.+.+.+.+	0.250	0.190	0.267	0.190	0.204	0.365a	0.095	0.117	0.127	0.130	0.187	0.184
Cu ppm w.wt +.+.+.+.+.+	.	.	1.450	0.943	.	s2.472a	1.107	1.253	1.667	1.827	1.057	1.283
Hg ppm w.wt +.+.+.+.+.+	0.035a	0.015	0.015	0.025	0.020	0.033a	0.022	0.006	<<0.010	0.008	0.010	<<0.018
Mn ppm w.wt +.+.+.+.+.+	.	.	0.230	0.650	1.030	.	.	.	.	.	.	0.840
Ni ppm w.wt +.+.+.+.+.+	.	.	0.360	s0.027	0.406	0.402	0.206	0.187	0.247	0.193	0.243	0.268
Pb ppm w.wt +.+.+.+.+.+	.	.	19.300	19.067	18.179	23.919	15.690	16.100	31.333a	21.900	23.800	20.409
Zn ppm w.wt +.+.+.+.+.+	100.000a	39.500a	21.000a	21.667a	73.000a	28.333a	18.333a	10.200a	16.667a	18.000a	.	33.730a
CB28 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	0.833	2.367	<<0.167	<<0.300	0.333	<<0.800
CB52 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	0.753	1.100	0.753	0.500	0.700	0.792
CB101 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	0.867	0.667	1.267	0.833	1.567	0.989
CB105 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	0.733	0.733
CB118 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	0.667	1.067	1.100	1.633	1.117
CB138 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	2.300	1.333	1.163	1.000	1.267	1.413
CB153 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	1.067	1.467	1.163	<<0.633	1.267	<<1.119
CB156 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	<<0.100	<<0.100
CB180 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	0.333	<<0.200	0.640	<<0.200	0.100	<<0.262
CB209 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	<<7.800a	<<6.220a	<<4.267	<<0.100	<<5.514a
CB 27 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	2.667	<<5.267a	<<6.220a	<<4.267	6.867a	<<5.514a
CB 23 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	2.667	<<7.800a	<<6.220a	<<4.267	<<7.700a	<<5.653a
DDEPP ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	0.667	0.667
DDTEP ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	0.500	1.824
TDEPP ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	0.467	0.467
DD 24 ppb w.wt +.+.+.+.+.+	2.367a	2.367a	2.367a	1.300	3.000a	1.800	2.900a	0.600	0.683	0.500	1.133	1.755
HCHA ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	0.167	0.167
HCHG ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	<<50.000a	0.360	0.633	<<10.054a	<<10.054a
HC 22 ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	<<50.000a	0.360	0.633	<<10.082a	<<10.082a
HCB ppb w.wt +.+.+.+.+.+	2.500a	<<0.200	<<1.333a	.	.	0.500a	<<0.200	0.100	<<0.056	<<0.100	0.133	<<0.532a
QCB ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	<<0.100	<<0.100
OCS ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	.	.	.	<<0.100	<<0.100
EOCL ppb w.wt +.+.+.+.+.+	.	.	.	.	.	.	.	2100.000	.	.	.	2100.000
EPOCL ppb w.wt ?.....	.	.	.	.	.	406.667a	113.333a	1633.333a	286.667a	316.667a	.	516.111a

s/q(2)
 a/A(54)
 ! Suspect value(s)
 > Exceeds NORMAL limit.

Species : **MYTI EDD**, *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.

Date	811027		821015		851017	
	Mean	Mean	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.	1:1	2:3	2:3	2:3	2:3	2:3
Count Min:Max	50.000	54.333	49.000	49.000	51.111	51.111
No of Shell	30.000	30.000	30.000	30.000	30.000	30.000
Length.min mm	50.000	40.000	39.000	39.000	43.000	43.000
Length.max mm	40.000	35.333	35.000	35.000	36.778	36.778
Length.mean mm	.	.	2.600	2.600	2.600	2.600
Shell wght g	.	.	2.250	2.250	2.250	2.250
Tissue wght g	.	.	17.830	17.830	17.830	17.830
Dry %	.	.	1.857	1.857	1.857	1.857
Fat %	.	2.350	1.363	1.363	0.327a	0.327a
Cd ppm w.wt +...+..	0.400a	0.373a	0.208	0.208	0.030	0.030
Hg ppm w.wt +...+..	0.040a	0.030	0.019	0.019	0.836	0.836
Mn ppm w.wt +...+..	.	.	0.836	0.836	0.235	0.235
Pb ppm w.wt +...+..	.	.	0.235	0.235	15.102	15.102
Zn ppm w.wt +...+..	.	.	15.102	15.102	46.389a	46.389a
PCB ppb w.wt +...+..	50.000a	62.500a	26.667a	26.667a	2.000	2.000
DDTEP ppb w.wt +...+..	.	.	2.000	2.000	2.000	2.000
DDΣ4 ppb w.wt +...+..	.	.	2.000	2.000	<<0.485a	<<0.485a
HCB ppb w.wt +...+..	.	.	<<0.485a	<<0.485a		

a/A(10) > Exceeds NORMAL limit.

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.

Date	811027	821015	831007	841017	851017	861020	871105	881103	891018	901107	911009	921106	Mean	Mean
Param (W,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count	1:1	3:3	3:3	3:3	3:3	1:3	3:3	3:3	3:3	3:3	3:3	3:3	56.694	56.694
No of Shell	50.000	53.000	53.333	52.667	48.667	39.000	49.333	67.667	66.667	66.667	66.667	66.667	30.500	30.500
Length.min mm	35.000	30.000	30.000	30.000	30.000	30.000	30.000	30.333	30.667	30.000	30.000	30.000	40.083	40.083
Length.max mm	50.000	40.000	40.000	40.000	39.000	38.333	38.667	39.000	39.000	39.000	39.000	39.000	35.417	35.417
Length.mean mm	42.000	35.667	34.667	34.667	35.000	34.000	35.000	35.000	35.000	35.000	34.667	34.333	2.730	2.730
Shell weight g	.	.	.	3.867	3.000	2.133	2.500	2.200	2.233	2.633	2.867	3.133	2.149	2.149
Tissue weight g	.	.	.	2.727	2.783	1.880	3.020	2.317	1.917	1.363	1.453	1.880	19.203	19.203
Dry %	.	1.297	1.193	20.867	20.767	19.300	20.467	18.633	22.100	16.833	17.067	17.167	1.552	1.552
Fat %	.	0.310a	0.247	1.397	1.667	1.233	2.130	1.590	2.013	1.833	1.433	1.933	0.223	0.223
Cd	0.300	0.310a	0.247	0.203	0.440a	0.236	0.107	0.124	0.153	0.157	0.173	0.227	0.140	0.140
Cr	.	.	1.397	0.803	.	1.386	1.002	1.177	1.177	1.333	1.723	1.127	1.209	1.209
Cu	0.040a	0.025	0.018	0.014	0.017	0.029	<<0.010	0.038a	0.011	0.013	0.010	0.010	<0.020	<0.020
Hg	.	.	.	0.593	1.087	.	.	.	.	.	.	.	0.840	0.840
Mn	.	.	.	0.187	.	.	.	.	.	.	.	.	0.182	0.182
Ni	.	.	.	s0.037	0.304	0.787e	0.253	0.211	0.210	0.243	0.190	0.297	0.314	0.314
Pb	.	.	0.330	19.100	20.215	16.168	15.171	15.209	18.433	28.533	25.600	22.233	19.710	19.710
Zn	.	.	16.433	28.667a	<<17.333a	21.000a	27.667a	10.667a	9.667	10.967a	14.000a	.	<26.482a	<26.482a
PCB	90.000a	41.333a	20.000a	.	.	.	.	0.567	1.500	<<0.197	<<0.300	0.167	<<0.546	<<0.546
CB28	1.967	<<0.100	0.600	<<0.337	<<0.300	<<0.167	<<0.578	<<0.578
CB52	1.300	0.333	0.733	0.853	<<0.300	0.567	<<0.681	<<0.681
CB101	<<0.133	<<0.133	<<0.133
CB105	0.533	0.701	0.701
CB118	1.767	0.667	0.770	0.833	0.533	1.174	1.174
CB138	1.167	1.533	1.103	0.633	0.833	<<1.012	<<1.012
CB153	1.567	0.993	<<0.500	0.833	<<0.100	<<0.100
CB156	<<0.100	<<0.100	<<0.100
CB180	0.533	<<0.100	0.500	0.543	<<0.200	<<0.100	<<0.329	<<0.329
CB209	<<0.100	<<0.100	<<0.100
CB_Σ7	3.800	<<3.967	7.100a	<<4.663	<<2.200	<<3.167	<<4.149	<<4.149
CB_ΣΣ	3.800	<<3.967	7.100a	<<4.663	<<2.200	<<3.333	<<4.177	<<4.177
DDEPP	.	.	3.133a	3.600a	1.667	1.600	5.367a	2.400a	0.700	0.970	0.633	0.700	2.230a	2.230a
DTDEP	1.600	.	.	.	.	.	.	0.400	0.400
TDEPP	1.600	5.367a	2.400a	0.700	0.970	0.633	0.400	2.117a	2.117a
DD_Σ4	.	.	3.133a	3.600a	1.667	1.600	5.367a	2.400a	0.700	0.970	0.633	0.400	2.117a	2.117a
HCHA	0.133	0.133	0.133
HCHG	<<3.000a	.	<<50.000a	0.870	0.700	0.333	<<9.984a	<<9.984a
HC_Σ2	<<3.000a	.	<<50.000a	0.870	0.700	0.467	<<10.006a	<<10.006a
HCB	.	.	2.300a	<<0.333a	0.700a	0.150	0.200	<<0.200	0.200	0.069	<<0.100	<<0.100	<<0.435a	<<0.435a
QCB	<<0.100	<<0.100	<<0.100
OCS	<<0.100	<<0.100	<<0.100
EPOCL	370.000a	156.667a	213.333a	1200.000a	343.333a	430.000a	.	452.222a	452.222a

s/q(1) ! Suspect value(s)
 a/A(46) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

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.

Date	811229		830301		831006		841016		851015		861020		871013		881103		891018		901106		911009		921106	
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	1:1	2:2	3:3	3:3	1:3	3:3	3:3	3:3	3:3	1:3	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
No of Shell	50.000	43.500	52.000	53.667	44.667	47.333	69.333	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667	66.667
Length.min mm	30.000	25.000	30.000	30.000	30.667	30.000	30.000	30.333	30.333	30.333	30.000	30.000	30.000	30.000	30.000	30.333	30.000	30.333	30.000	30.000	30.333	30.000	30.000	30.000
Length.max mm	50.000	35.000	40.000	40.000	38.333	42.333	35.000	39.000	39.000	38.333	42.333	35.000	39.000	39.000	39.000	35.000	39.000	39.000	39.000	39.000	35.333	39.000	39.667	39.667
Length.mean mm	38.000	30.000	34.667	35.000	34.333	35.000	35.000	34.333	34.333	34.333	35.000	35.000	35.000	35.000	34.333	35.000	35.000	34.333	34.333	35.000	34.333	34.333	34.333	34.583
Shell weight g	.	.	2.467	1.933	1.267	1.600	1.233	1.300	1.300	1.267	1.600	1.233	1.300	1.300	1.267	1.300	1.267	1.300	1.267	1.300	2.300	2.933	2.100	1.904
Tissue weight g	.	.	2.583	2.583	2.063	2.350	1.857	1.617	1.617	2.063	2.350	1.857	1.617	1.617	2.063	2.350	2.063	2.350	2.063	2.350	2.210	1.857	1.743	2.094
Dry %	.	.	22.467	21.567	23.967	21.867	20.533	23.767	23.767	23.967	21.867	20.533	23.767	23.767	23.967	21.867	20.533	23.767	23.767	23.967	22.167	18.267	24.167	21.957
Fat %	.	.	1.900	1.033	2.663	2.163	1.860	2.100	2.100	2.663	2.163	1.860	2.100	2.100	2.663	2.163	1.860	2.100	2.100	2.663	2.237	1.900	3.067	2.036
Cd	0.400a	0.135	0.170	0.253	0.346a	0.126	0.115	0.120	0.120	0.346a	0.126	0.115	0.120	0.120	0.346a	0.126	0.115	0.120	0.120	0.090	0.220	0.263	0.202	0.202
Cr	.	.	1.343	0.747	1.380	0.943	0.998	1.027	1.027	1.380	0.943	0.998	1.027	1.027	1.380	0.943	0.998	1.027	1.027	1.267	1.663	0.073	0.073	0.073
Cu	.	.	0.012	0.009	0.028	<<0.011	0.027	0.008	0.028	<<0.011	0.027	0.027	0.008	0.027	0.027	0.027	0.008	0.027	0.027	<<0.010	0.008	0.010	0.010	1.183
Hg	0.030	0.019	0.019	1.004	0.028	0.027	.	.	.	0.027	<<0.016
Mn	.	.	0.873	1.004	1.004	0.939
Ni	.	.	0.187	0.187	0.187	0.192
Pb	.	.	0.157	0.157	0.172	0.169	0.178	0.173	0.173	0.172	0.169	0.178	0.173	0.173	0.178	0.173	0.173	0.173	0.173	0.223	0.157	0.200	0.176	
Zn	.	.	13.867	17.000	13.772	13.320	14.487	15.233	15.233	13.772	13.320	14.487	15.233	15.233	14.487	15.233	15.233	15.233	15.233	28.133	24.700	25.000	18.132	
PCB	40.000a	.	17.333a	<<11.000a	12.000a	15.667a	7.100	6.100	6.100	12.000a	15.667a	7.100	6.100	6.100	7.100	6.100	6.100	6.100	6.100	10.600a	<<8.667	0.100	<<13.817a	
CB28	0.733	0.200	0.200	0.200	0.733	0.200	0.200	0.200	0.200	0.733	0.200	0.200	0.200	0.200	<<0.430	<<0.300	<<0.100	<<0.380	
CB101	0.733	<<0.100	0.400	0.400	0.733	<<0.100	0.400	0.400	0.400	0.733	<<0.100	0.400	0.400	0.400	0.850	<<0.267	0.167	<<0.464	
CB105	0.367	0.367	.	.	0.367	0.367	0.367	.	0.367	0.367	0.367	0.643	0.243	<<0.200	0.400	<<0.428	
CB118	0.967	0.967	.	.	0.967	0.967	0.967	.	0.967	0.967	0.967	0.890	1.000	<<0.433	0.800	<<0.805	
CB138	1.800	1.800	.	.	1.800	1.800	1.800	.	1.800	1.800	1.800	1.000	<<0.500	<<0.867	0.867	<<0.953	
CB153	<<0.100	<<0.100	<<0.100	<<0.185	
CB156	<<0.100	<<0.100	<<0.100	<<0.100	
CB180	<<0.100	<<0.100	<<0.100	<<0.100	
CB209	<<0.100	<<0.100	<<0.100	<<0.100	
CB27	<<0.100	<<0.100	<<0.100	<<0.100	
CB28	<<0.100	<<0.100	<<0.100	<<0.100	
CB29	<<0.100	<<0.100	<<0.100	<<0.100	
DDEPP	<<0.100	<<0.100	<<0.100	<<0.100	
DD24	<<0.100	<<0.100	<<0.100	<<0.100	
HCHA	<<0.100	<<0.100	<<0.100	<<0.100	
HCHG	<<0.100	<<0.100	<<0.100	<<0.100	
HC22	<<0.100	<<0.100	<<0.100	<<0.100	
OCB	<<0.100	<<0.100	<<0.100	<<0.100	
OCB	<<0.100	<<0.100	<<0.100	<<0.100	
EOCL	<<0.100	<<0.100	<<0.100	<<0.100	
EPOCL	<<0.100	<<0.100	<<0.100	<<0.100	
NAP	<<0.100	<<0.100	<<0.100	<<0.100	
NAP2M	<<0.100	<<0.100	<<0.100	<<0.100	
NAP1M	<<0.100	<<0.100	<<0.100	<<0.100	
BIPN	<<0.100	<<0.100	<<0.100	<<0.100	
NAPDI	<<0.100	<<0.100	<<0.100	<<0.100	
NAP1M	<<0.100	<<0.100	<<0.100	<<0.100	
ACNLE	<<0.100	<<0.100	<<0.100	<<0.100	
ACNE	<<0.100	<<0.100	<<0.100	<<0.100	
FLE	<<0.100	<<0.100	<<0.100	<<0.100	
PA	<<0.100	<<0.100	<<0.100	<<0.100	
ANT	<<0.100	<<0.100	<<0.100	<<0.100	
PAM1	<<0.100	<<0.100	<<0.100	<<0.100	
FLU	<<0.100	<<0.100	<<0.100	<<0.100	
PYR	<<0.100	<<0.100	<<0.100	<<0.100	
BAA	<<0.100	<<0.100	<<0.100	<<0.100	
CHR	<<0.100	<<0.100	<<0.100	<<0.100	
BBF	<<0.100	<<0.100	<<0.100	<<0.100	

Tab.length cont'd MYTI EDU, SB, J26, 36A Farder .

Date	Param (w,d,l): No.Fo.Ri.	811229	830301	831006	841016	851015	861020	871013	881103	891018	901106	911009	921106	Mean	Mean
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
	BJKF	.	.	.	.	.	.	.	.	.	.	.	.	0.800	0.800
	BEP	.	.	.	.	.	.	.	.	.	.	.	.	3.000	3.000
	BAP	.	.	.	.	.	.	.	.	.	.	.	.	0.633	0.633
	PER	.	.	.	.	.	.	.	.	.	.	.	.	<<0.200	<<0.200
	ICDP	.	.	.	.	.	.	.	.	.	.	.	.	1.100	1.100
	DBA3A	.	.	.	.	.	.	.	.	.	.	.	.	<<0.200	<<0.200
	BGHIP	.	.	.	.	.	.	.	.	.	.	.	.	0.833	0.833
	COR	.	.	.	.	.	.	.	.	.	.	.	.	<<0.200	<<0.200
	DBP	.	.	.	.	.	.	.	.	.	.	.	.	<<0.200	<<0.200
	DI Σ6	.	.	.	.	.	.	.	.	.	.	.	.	23.200	23.200
	P Σ20	.	.	.	.	.	.	.	.	.	.	.	.	<<37.200	<<37.200
	PK Σ7	.	.	.	.	.	.	.	.	.	.	.	.	<<7.233	<<7.233
	PAHΣΣ	.	.	.	.	.	.	.	.	.	.	.	.	<<60.400a	<<60.400a

s/q(1) ! Suspect value(s)
a/A(35) > Exceeds NORMAL limit.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.
Locality : 73A Lyngholmen, Latitude: 59°02.60N, Longitude: 10°18.10E.

Date	Param (w,d,l): No.Fo.Ri.	901105	Mean
	Count	1:3	
	No of Shell	66.667	
	Length.min mm	30.333	
	Length.max mm	38.667	
	Length.mean mm	34.667	
	Shell wght g	2.733	
	Tissue wght g	1.910	
	Dry %	20.567	
	Fat %	2.040	
	Cd ppm w.wt +...+...	0.093	
	Cu ppm w.wt +...+...	1.133	
	Hg ppm w.wt +...+...	0.010	
	Pb ppm w.wt +...+...	0.197	
	Zn ppm w.wt +...+...	30.233a	
	PCB ppm w.wt +...+...	13.000a	
	CB28 ppm w.wt +...+...	<0.200	
	CB52 ppm w.wt +...+...	<0.400	
	CB101 ppm w.wt +...+...	1.200	
	CB118 ppm w.wt +...+...	0.700	
	CB138 ppm w.wt +...+...	1.200	
	CB153 ppm w.wt +...+...	1.400	
	CB180 ppm w.wt +...+...	0.180	
	CB Σ7 ppm w.wt +...+...	<5.080a	
	CB ΣΣ ppm w.wt +...+...	<5.080a	
	DDTEP ppm w.wt +...+...	0.910	
	DD Σ4 ppm w.wt +...+...	0.910	
	HCHG ppm w.wt +...+...	0.660	
	HC Σ2 ppm w.wt +...+...	0.660	
	HCB ppm w.wt +...+...	0.062	
	EPOCL ppm w.wt +...+...	240.000a	

a/A(5) > Exceeds NORMAL limit.

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **74A Oddneskjær**, Latitude: 58°57.30N, Longitude: 09°52.10E.

Date	901105
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:3
No of Shell	66.667
Length.min mm	30.000
Length.max mm	39.000
Length.mean mm	35.000
Shell wght g	2.700
Tissue wght g	1.723
Dry %	18.900
Fat %	1.690
Cd ppm w.wt +.+.+.+.+	0.113
Cu ppm w.wt +.+.+.+.+	1.167
Hg ppm w.wt +.+.+.+.+	0.013
Pb ppm w.wt +.+.+.+.+	0.223
Zn ppm w.wt +.+.+.+.+	32.000a
PCB ppb w.wt +.+.+.+.+	7.400
CB28 ppb w.wt +.+.+.+.+	<0.200
CB52 ppb w.wt +.+.+.+.+	<0.400
CB101 ppb w.wt +.+.+.+.+	0.600
CB118 ppb w.wt +.+.+.+.+	0.310
CB138 ppb w.wt +.+.+.+.+	0.710
CB153 ppb w.wt +.+.+.+.+	0.930
CB180 ppb w.wt +.+.+.+.+	0.190
CB_Σ7 ppb w.wt +.+.+.+.+	<3.140
CB_ΣΣ ppb w.wt +.+.+.+.+	<3.140
DDTEP ppb w.wt +.+.+.+.+	0.590
DD_Σ4 ppb w.wt +.+.+.+.+	0.590
HCHG ppb w.wt +.+.+.+.+	0.470
HC_Σ2 ppb w.wt +.+.+.+.+	0.470
HCB ppb w.wt +.+.+.+.+	0.072
EPOCL ppb w.wt ?.....	260.000a

a/A(2) > Exceeds NORMAL limit.

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.

Date	810317	821110	831109	841108	851024	861021	871022	881103	891010	901105	911008	921112	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count	1:1	3:3	3:3	2:2	2:3	2:3	2:3	3:3	3:3	3:3	3:3	3:3	3:3	3:3
No of Shell	50.000	50.000	53.000	53.000	50.667	50.667	51.333	70.333	68.000	66.667	66.333	66.667	58.056	58.056
Length.min		30.000	30.000	25.000	30.000	30.000	30.000	30.000	30.000	30.000	30.000	30.000	29.545	29.545
Length.max		40.000	40.000	34.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000	38.818	38.818
Length.mean		35.667	35.000	30.000	34.000	34.000	34.667	34.333	34.667	35.000	34.667	34.667	34.394	34.394
Shell wght g			2.567	1.700	2.767	2.767	2.233	1.800	1.853	2.500	2.967	2.800	2.352	2.352
Tissue wght g			2.220	1.570	2.563	2.713	2.013	1.597	1.537	2.137	2.353	2.160	2.147	2.147
Dry %		1.733	16.230	22.450	18.867	17.067	11.133	18.167	15.467	15.467	18.200	17.267	16.675	16.675
Fat		1.200e	0.637	2.150	1.400	1.867	0.723	1.097	1.097	1.537	2.100	1.767	1.446	1.446
Cd		0.507a	0.320a	0.318a	0.379a	0.199	0.229	0.229	0.353a	0.130	0.227	0.293	0.357a	0.357a
Cu		1.037	0.790	s2.960a	1.056	1.297	0.936	1.297	1.267	1.267	1.863	1.243	1.186	1.186
Hg		0.090a	0.072a	0.050a	0.047a	0.047a	0.018	0.037a	0.047a	0.023	0.027	0.030	0.044a	0.044a
Mn			2.967	2.169									2.568	2.568
Ni			0.283										0.283	0.283
Pb			0.273	0.226	0.407	0.407	0.295	0.197	0.190	0.193	0.137	0.253	0.241	0.241
Zn			15.600	20.367	17.312	21.680	17.613	17.744	25.200	25.433	25.133	27.800	21.388	21.388
PCB		40.000a	55.667a	33.500a	13.000a	13.000a	23.000a	<<6.867	8.533	8.733	12.000a	<<0.100	<<0.958a	<<0.958a
CB28							0.800	<<0.167	0.300	<<0.177	<<0.300	<<0.100	<<0.209	<<0.209
CB52							1.133	<<0.100	<<0.100	<<0.300	<<0.300	<<0.100	<<0.283	<<0.283
CB101								<<0.100	0.333	0.927	0.467	<<0.133	<<0.577	<<0.577
CB105									0.767	0.640	0.900	0.400	0.677	0.677
CB118								1.067	0.790	0.790	0.533	0.667	0.945	0.945
CB138								<<0.433	2.667	0.933	<<0.533	0.767	<<1.067	<<1.067
CB153												<<0.100	<<0.100	<<0.100
CB156							0.700	<<0.100	0.667	0.320	<<0.200	<<0.100	<<0.348	<<0.348
CB180												<<0.133	<<0.133	<<0.133
CB209												<<2.533	<<3.276	<<3.276
CB 27												<<2.700	<<3.303	<<3.303
CB 28												0.500	0.500	0.500
DD 24												0.633	0.633	0.633
DD 24												1.133	1.133	1.133
DDEPP												0.233	0.233	0.233
DDTEP												0.333	0.333	0.333
TDEPP												0.567	0.567	0.567
HCHA												<<9.927a	<<9.927a	<<9.927a
HCHG												<<9.966a	<<9.966a	<<9.966a
HC 22												<<0.100	<<0.100	<<0.100
HC 22												<<0.100	<<0.100	<<0.100
QCB												<<0.100	<<0.100	<<0.100
QCS												<<0.100	<<0.100	<<0.100
EPOCL												240.000a	240.000a	240.000a

s/q(2)
 a/A(56)
 e/E(1)
 ! Suspect value(s)
 > Exceeds NORMAL limit.
 > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J26 Oslofjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **A3* Svartskjær**, Latitude: 58°58.09N, Longitude: 09°49.09E.

Date	810317	Mean
Count	1:1	
No of Shell	50.000	
Cd	0.700e	
Hg	0.040a	
PCB	40.000a	

a/A(2)
 e/E(1)
 > Exceeds NORMAL limit.
 > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **76A Risøy**, Latitude: 58°43.60N, Longitude: 09°17.00E.

Date	901105		911008		921021	
	Mean	Mean	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.						
Count Min:Max	3:3	3:3	3:3	1:3		
No of Shell	66.667	66.333	50.000	30.000	61.000	
Length.min mm	30.000	30.000	30.000	30.000	30.000	
Length.max mm	39.000	39.000	39.000	39.000	39.000	
Length.mean mm	34.000	34.333	34.667	34.667	34.333	
Shell wght g	2.600	2.967	2.933	2.933	2.833	
Tissue wght g	2.013	1.737	1.643	1.798	1.798	
Dry %	14.733	17.200	19.967	17.300	17.300	
Fat %	1.277	1.133	1.533	1.314	1.314	
Cd ppm w.wt +.+.+.+.+	0.090	0.147	0.190	0.142	0.142	
Cu ppm w.wt +.+.+.+.+	1.800	1.827	1.125	1.584	1.584	
Hg ppm w.wt +.+.+.+.+	0.013	0.012	0.013	0.013	0.013	
Pb ppm w.wt +.+.+.+.+	0.260	0.163	0.300	0.241	0.241	
Zn ppm w.wt +.+.+.+.+	23.433	21.500	24.700	23.211	23.211	
PCB ppb w.wt +.+.+.+.+	6.600	<<5.333	0.100	<<5.967	<<5.967	
CB28 ppb w.wt +.+.+.+.+	<<0.152	<<0.300	0.100	<<0.184	<<0.184	
CB52 ppb w.wt +.+.+.+.+	<<0.400	<<0.300	0.100	<<0.350	<<0.350	
CB101 ppb w.wt +.+.+.+.+	0.507	<<0.200	0.200	<<0.302	<<0.302	
CB105 ppb w.wt +.+.+.+.+			0.100	0.100	0.100	
CB118 ppb w.wt +.+.+.+.+	0.380	<<0.300	0.233	<<0.304	<<0.304	
CB138 ppb w.wt +.+.+.+.+	0.527	<<0.333	0.367	<<0.409	<<0.409	
CB153 ppb w.wt +.+.+.+.+	0.717	<<0.500	0.500	<<0.572	<<0.572	
CB156 ppb w.wt +.+.+.+.+			<<0.100	<<0.100	<<0.100	
CB180 ppb w.wt +.+.+.+.+	<<0.200	<<0.200	<<0.100	<<0.167	<<0.167	
CB209 ppb w.wt +.+.+.+.+			<<0.100	<<0.100	<<0.100	
CB 27 ppb w.wt +.+.+.+.+	<<2.548	<<0.733	<<1.500	<<1.594	<<1.594	
CB 28 ppb w.wt +.+.+.+.+	<<2.548	<<0.733	<<1.600	<<1.627	<<1.627	
DDEPP ppb w.wt +.+.+.+.+			0.300	0.300	0.300	
DDTEP ppb w.wt +.+.+.+.+	0.563	<<0.400	0.100	<<0.482	<<0.482	
DD 24 ppb w.wt +.+.+.+.+	0.563	<<0.400	0.400	0.100	0.100	
HCHA ppb w.wt +.+.+.+.+			<<0.100	<<0.454	<<0.454	
HCHG ppb w.wt +.+.+.+.+	0.227	<<0.367	0.267	<<0.287	<<0.287	
HC 22 ppb w.wt +.+.+.+.+	0.227	<<0.367	<<0.367	<<0.320	<<0.320	
HCB ppb w.wt +.+.+.+.+	0.055	<<0.100	<<0.100	<<0.085	<<0.085	
QCB ppb w.wt +.+.+.+.+			<<0.100	<<0.100	<<0.100	
OCS ppb w.wt +.+.+.+.+			<<0.100	<<0.100	<<0.100	
EPOCL ppb w.wt ?	156.667a	<<136.667a		<<146.667a	<<146.667a	
NAP ppb w.wt			2.933	2.933	2.933	
NAP2M ppb w.wt			3.700	3.700	3.700	
NAP1M ppb w.wt			3.267	3.267	3.267	
BIPN ppb w.wt			0.800	0.800	0.800	
NAPDI ppb w.wt			1.033	1.033	1.033	
NAP1M ppb w.wt			1.633	1.633	1.633	
ACNLE ppb w.wt			0.333	0.333	0.333	
ACNE ppb w.wt			0.667	0.667	0.667	
FLE ppb w.wt			2.250	2.250	2.250	
PA ppb w.wt			3.300	3.300	3.300	
ANT ppb w.wt			3.050	3.050	3.050	
PAM1 ppb w.wt			5.850	5.850	5.850	
FLU ppb w.wt			5.400	5.400	5.400	
PYR ppb w.wt			3.200	3.200	3.200	
BAA ppb w.wt			2.000	2.000	2.000	
CHR ppb w.wt			7.000	7.000	7.000	
BBF ppb w.wt			<<1.050	<<1.050	<<1.050	
BJKF ppb w.wt			4.300	4.300	4.300	
BEP ppb w.wt ?			2.000a	2.000a	2.000a	
PER ppb w.wt			<<0.267	<<0.267	<<0.267	

Tab.length cont'd **MYTI EDU, SB, J99, 76A Risøy**

Date	901105		911008		921021	
	Mean	Mean	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.						
ICDP ppb w.wt	<<2.700	<<2.700
DBA3A ppb w.wt	<<0.300	<<0.300
BGHIP ppb w.wt	<<2.233	<<2.233
COR ppb w.wt	<<0.200	<<0.200
DBP ppb w.wt	<<0.200	<<0.200
DI 26 ppb w.wt	13.367	13.367
P 20 ppb w.wt	<<31.100	<<31.100
PK 27 ppb w.wt	<<10.367	<<10.367
PAHΣΣ ppb w.wt ?	<<44.467	<<44.467

a/A(5) > Exceeds NORMAL limit.

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.

Date	901104		911007	
	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.				
Count Min:Max	3:3	3:3	3:3	3:3
No of Shell	62.667	50.000	56.333	56.333
Length.min mm	30.000	30.000	30.000	30.000
Length.max mm	39.000	39.000	39.000	39.000
Length.mean mm	34.667	34.333	34.500	34.500
Shell wght g	1.633	1.867	1.750	1.750
Tissue wght g	1.963	1.503	1.733	1.667
Dry %	19.367	19.967	19.667	19.667
Cd ppm w.wt	0.107	0.180	0.143	0.143
Cu ppm w.wt	1.200	2.073a	1.637	1.637
Hg ppm w.wt	<<0.017	0.010	<<0.013	<<0.013
Pb ppm w.wt	0.213	0.183	0.198	0.198
Zn ppm w.wt	25.200	26.767	25.983	25.983

a/A(1) > Exceeds NORMAL limit.

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **79A Gjerdsvoildsøyen east**, Latitude: 58°24.80N, Longitude: 08°45.30E.

Date	901104		911007	
	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.				
Count Min:Max	3:3	3:3	3:3	3:3
No of Shell	66.667	47.333	57.000	57.000
Length.min mm	30.000	30.333	30.167	30.167
Length.max mm	39.000	39.000	39.000	39.000
Length.mean mm	34.667	34.667	34.667	34.667
Shell wght g	3.100	3.200	3.150	3.150
Tissue wght g	1.910	1.527	1.718	1.718
Dry %	12.500	13.733	13.117	13.117
Cd ppm w.wt	0.160	0.227	0.193	0.193
Cu ppm w.wt	1.167	1.797	1.482	1.482
Hg ppm w.wt	0.020	0.018	0.019	0.019
Pb ppm w.wt	0.337	0.707e	0.522e	0.522e
Zn ppm w.wt	23.333	20.500	21.917	21.917

e/E(2) > Exceeds NORMAL and FOOD limits.

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.

Date	901104		911007		Mean	
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean
Count Min:Max	1:1		3:4			
No of Shell	24.000		34.750		29.375	
Length.min mm	65.000		39.250		52.125	
Length.max mm	86.000		52.500		69.250	
Length.mean mm	74.000		46.000		60.000	
Shell wght g	27.700		9.725		18.713	
Tissue wght g	14.390		4.688		9.539	
Dry %	14.000		16.475		15.238	
ppm w.wt +...+...+.	0.140		0.170		0.155	
Cu	0.800		1.610		1.205	
Hg	0.010		0.009		0.009	
Pb	0.350		0.223		0.287	
Zn	27.400		26.867		27.133	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **14A Aavigen**, Latitude: 58°02.20N, Longitude: 07°13.20E.

Date	901103		911006		Mean	
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3		3:4			
No of Shell	63.000		52.750		57.875	
Length.min mm	30.000		38.000		34.000	
Length.max mm	38.333		53.000		45.667	
Length.mean mm	34.667		45.000		39.833	
Shell wght g	1.500		9.275		5.388	
Tissue wght g	1.333		5.600		3.467	
Dry %	18.033		15.275		16.654	
Fat %	1.647		1.233		1.440	
Cd	0.090		0.188		0.139	
Cu	1.067		1.575		1.321	
Hg	0.017		0.009		0.013	
Pb	0.253		0.175		0.214	
Zn	24.367		24.700		24.533	
PCB	7.967		<<6.000		<<6.983	
CB28	<<0.200		<<0.300		<<0.250	
CB52	<<0.400		<<0.300		<<0.350	
CB101	0.587		<<0.200		<<0.393	
CB118	0.393		<<0.333		<<0.363	
CB138	0.740		<<0.333		<<0.537	
CB153	0.907		<<0.500		<<0.703	
CB180	0.320		<<0.200		<<0.260	
CB 27	<<3.347		<<0.800		<<2.073	
CB 28	<<3.347		<<0.800		<<2.073	
DDTEP	1.007		<<0.333		<<0.670	
DD 24	1.007		<<0.333		<<0.670	
HCHG	0.320		<<0.467		<<0.393	
HC 22	0.320		<<0.467		<<0.393	
HCB	0.078		<<0.100		<<0.089	
EPOCL	163.333a		<<130.000a		<<146.667a	

a/A(3) > Exceeds NORMAL limit.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **15A Gåsøy**, Latitude: 58°02.60N, Longitude: 06°54.80E.

Date	901103		911006		Mean
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	
Count Min:Max	1:4		4:4		
No of Shell	27.500		42.000		34.750
Length.min mm	39.000		38.250		38.625
Length.max mm	50.000		50.500		50.250
Length.mean mm	44.750		44.250		44.500
Shell wght g	6.050		5.950		6.000
Tissue wght g	4.755		4.565		4.660
Dry %	18.300		15.200		16.750
Fat %	1.500				1.500
Cd ppm w.wt +...+...	0.103		0.135		0.119
Cu ppm w.wt +...+...	1.000		1.053		1.026
Hg ppm w.wt +...+...	0.013		0.009		0.011
Pb ppm w.wt +...+...	0.278		0.143		0.210
Zn ppm w.wt +...+...	27.025		22.225		24.625
PCB ppb w.wt +...+...	6.100				6.100
CB28 ppb w.wt +...+...	<0.200				<0.200
CB52 ppb w.wt +...+...	<0.400				<0.400
CB101 ppb w.wt +...+...	0.490				0.490
CB118 ppb w.wt +...+...	0.350				0.350
CB138 ppb w.wt +...+...	0.400				0.400
CB153 ppb w.wt +...+...	0.560				0.560
CB180 ppb w.wt +...+...	0.220				0.220
CB 27 ppb w.wt +...+...	<2.420				<2.420
CB 22 ppb w.wt +...+...	<2.420				<2.420
DDTEP ppb w.wt +...+...	0.600				0.600
DD 24 ppb w.wt +...+...	0.600				0.600
HCHG ppb w.wt +...+...	0.330				0.330
HC 22 ppb w.wt +...+...	0.330				0.330
HCB ppb w.wt +...+...	0.040				0.040
EPOCL ppb w.wt ?.....	140.000a				140.000a

a/A(2) > Exceeds NORMAL limit.

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **22A Espevær, west**, Latitude: 59°35.20N, Longitude: 05°08.50E.

Date	901029	910930	920906	Mean
Param (w,d,l): No.Fo.R.I.	Mean	Mean	Mean	Mean
Count Min:Max	3:3	3:3	1:3	.
No of Shell	66.667	66.333	66.667	66.556
Length.min mm	30.667	30.000	30.000	30.222
Length.max mm	38.667	39.000	39.000	38.889
Length.mean mm	35.000	34.667	34.667	34.778
Shell wght g	2.767	2.767	2.967	2.833
Tissue wght g	1.997	1.800	1.963	1.920
Dry %	19.133	16.767	17.733	17.878
Fat %	1.453	1.233	1.500	1.396
Cd ppm w.wt +.+.+.+.+	0.110	0.187	0.207	0.168
Cu ppm w.wt +.+.+.+.+	1.200	1.123	0.987	1.103
Hg ppm w.wt +.+.+.+.+	0.010	0.013	0.020	0.014
Pb ppm w.wt +.+.+.+.+	0.260	0.293	0.513e	0.356
Zn ppm w.wt +.+.+.+.+	33.567a	26.900	25.333	28.600
PCB ppb w.wt +.+.+.+.+	5.733	<<5.000	.	<<5.367
CB28 ppb w.wt +.+.+.+.+	<<0.187	<<0.300	<<0.100	<<0.196
CB52 ppb w.wt +.+.+.+.+	<<0.400	<<0.300	<<0.233	<<0.311
CB101 ppb w.wt +.+.+.+.+	0.463	<<0.267	<<0.133	<<0.288
CB105 ppb w.wt +.+.+.+.+	.	.	0.100	0.100
CB118 ppb w.wt +.+.+.+.+	0.331	<<0.400	0.200	<<0.310
CB138 ppb w.wt +.+.+.+.+	0.443	<<0.300	0.367	<<0.370
CB153 ppb w.wt +.+.+.+.+	0.627	<<0.500	0.467	<<0.531
CB156 ppb w.wt +.+.+.+.+	.	.	<<0.100	<<0.100
CB180 ppb w.wt +.+.+.+.+	1.163	<<0.200	<<0.100	<<0.488
CB209 ppb w.wt +.+.+.+.+	.	.	<<0.100	<<0.100
CB >7 ppb w.wt +.+.+.+.+	<<3.481	<<0.967	<<1.500	<<1.982
CB >2 ppb w.wt +.+.+.+.+	<<3.481	<<0.967	<<1.600	<<2.016
DDEPP ppb w.wt +.+.+.+.+	.	.	0.400	0.400
DDTEP ppb w.wt +.+.+.+.+	0.570	<<0.333	.	<<0.452
DEPP ppb w.wt +.+.+.+.+	.	.	0.233	0.233
DD >4 ppb w.wt +.+.+.+.+	0.570	<<0.333	0.633	<<0.512
HCHA ppb w.wt +.+.+.+.+	.	.	<<0.100	<<0.100
HCHG ppb w.wt +.+.+.+.+	0.147	<<0.400	0.300	<<0.282
HC >2 ppb w.wt +.+.+.+.+	0.147	<<0.400	<<0.400	<<0.316
HCB ppb w.wt +.+.+.+.+	<<0.050	<<0.100	<<0.100	<<0.083
QCB ppb w.wt +.+.+.+.+	.	.	<0.100	<0.100
OCS ppb w.wt +.+.+.+.+	.	.	<<0.100	<<0.100
EPOCL ppb w.wt ?.....	240.000a	290.000a	.	265.000a

a/A(4) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **23A Austvik**, Latitude: 59°52.20N, Longitude: 05°06.60E.

Date	901029		910930		Mean	
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3		3:3			
No of Shell	66.667		50.000		58.333	
Length.min mm	30.000		30.000		30.000	
Length.max mm	39.000		39.000		39.000	
Length.mean mm	35.000		34.667		34.833	
Shell wght g	2.533		2.267		2.400	
Tissue wght g	1.993		1.703		1.848	
Dry %	18.567		15.833		17.200	
Cd ppm w.wt +...+..	0.077		0.157		0.117	
Cu ppm w.wt +...+..	1.033		0.973		1.003	
Hg ppm w.wt +...+..	0.010		0.012		0.011	
Pb ppm w.wt +...+..	0.257		0.237		0.247	
Zn ppm w.wt +...+..	24.700		20.800		22.750	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **24A Vardøy**, Latitude: 60°10.20N, Longitude: 05°00.80E.

Date	901030		911001		Mean	
	Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean
Count Min:Max	3:3		3:3			
No of Shell	43.667		45.333		44.500	
Length.min mm	30.000		30.000		30.000	
Length.max mm	39.000		38.667		38.833	
Length.mean mm	34.667		34.000		34.333	
Shell wght g	2.267		1.733		2.000	
Tissue wght g	1.667		1.337		1.502	
Dry %	17.433		14.700		16.067	
Cd ppm w.wt +...+..	0.090		0.123		0.107	
Cu ppm w.wt +...+..	1.000		1.057		1.028	
Hg ppm w.wt +...+..	0.010		0.011		0.010	
Pb ppm w.wt +...+..	0.250		0.180		0.215	
Zn ppm w.wt +...+..	30.233a		19.800		25.017	

a/A(1) > Exceeds NORMAL limit.

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørifjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **51A Byrkjenes**, Latitude: 60°05.10N, Longitude: 06°33.10E.

Date	870902		881006	
	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.	3:3	3:3		
Count Min:Max	48.667	48.667	48.667	
No of Shell	30.000	30.000	30.000	
Length.min mm	39.000	39.000	39.000	
Length.max mm	34.333	35.667	35.000	
Length.mean mm	2.333	1.200	1.767	
Shell wght g	1.837	1.580	1.708	
Tissue wght g	18.453	20.273	19.363	
Dry %	7.737e	11.601e	9.669e	
Cd ppm w.wt +...+...+	1.377	1.248	1.313	
Cu ppm w.wt +...+...+	0.046a	0.050a	0.048a	
Hg ppm w.wt +...+...+	15.299e	7.745e	11.522e	
Pb ppm w.wt +...+...+	72.226e	52.394e	62.310e	
Zn ppm w.wt +...+...+				

a/A(3)

e/E(9) > Exceeds NORMAL limit.
 > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørforjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **52A Eitrheimsneset**, Latitude: 60°05.80N, Longitude: 06°32.20E.

Date	890928		901031		911002		920906	
	Mean	1:3	Mean	1:3	Mean	3:3	Mean	1:3
Count Min:Max	61.333	50.000	45.333	50.000	50.000	51.667	50.000	51.667
No of Shell	30.000	31.000	30.333	31.000	31.000	30.583	31.000	30.583
Length.min mm	39.000	38.333	38.333	39.000	39.000	38.667	39.000	38.667
Length.max mm	35.000	34.667	34.000	35.000	35.000	34.667	35.000	34.667
Shell weight g	2.100	1.033	0.933	1.067	1.067	1.283	1.067	1.283
Tissue wght g	1.700	1.803	1.090	1.490	1.490	1.521	1.490	1.521
Dry %	12.267	18.800	11.467	11.933	11.933	13.617	11.933	13.617
Fat %	1.030	1.600	1.233	1.233	1.233	1.288	1.233	1.288
Cd	11.860e	1.913e	9.583e	5.373e	5.373e	7.183e	5.373e	7.183e
Cu	1.137	1.400	12.933a	1.363	1.363	4.208a	1.363	4.208a
Hg	0.264a	0.060a	0.468e	0.130a	0.130a	0.230a	0.130a	0.230a
Pb	13.243e	2.193e	40.367e	22.367e	22.367e	19.543e	22.367e	19.543e
Zn	109.667e	51.333e	56.200e	48.600a	48.600a	66.450e	48.600a	66.450e
PCB	9.000	5.600	.	.	.	7.300	.	7.300
CB28	<<0.100	0.098	.	<<0.100	<<0.100	<<0.099	<<0.100	<<0.099
CB52	<<0.100	0.310	.	<<0.150	<<0.150	<<0.187	<<0.150	<<0.187
CB101	0.567	0.250	.	<<0.100	<<0.100	<<0.306	<<0.100	<<0.306
CB105	.	.	.	0.100	0.100	0.100	0.100	0.100
CB118	0.500	0.380	.	0.233	0.233	0.371	0.233	0.371
CB138	1.367	0.640	.	0.400	0.400	0.802	0.400	0.802
CB153	<<2.100	0.670	.	0.467	0.467	<<1.079	0.467	<<1.079
CB156	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
CB180	0.433	0.530	.	<<0.100	<<0.100	<<0.354	<<0.100	<<0.354
CB209	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
CB_Σ7	<<5.100a	2.878	.	<<1.450	<<1.450	<<3.143	<<1.450	<<3.143
CB_ΣΣ	<<5.100a	2.878	.	<<1.550	<<1.550	<<3.176	<<1.550	<<3.176
DDEPP	.	.	.	1.600	1.600	1.600	1.600	1.600
DDEPP	5.667a	4.600a	.	.	.	5.133a	.	5.133a
DDEPP	.	.	.	0.967	0.967	0.967	0.967	0.967
DD_Σ4	5.667a	4.600a	.	2.567a	2.567a	4.278a	2.567a	4.278a
HCHA	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
HCHG	<<50.000a	0.200	.	0.133	0.133	<<16.778a	0.133	<<16.778a
HC_Σ2	<<50.000a	0.200	.	<<0.233	<<0.233	<<16.811a	<<0.233	<<16.811a
HCB	0.300a	0.073	.	<<0.100	<<0.100	<<0.158	<<0.100	<<0.158
QCB	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
OCS	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
EOCL	2200.000	.	.	.	.	2200.000	.	2200.000
EPOCL	180.000a	340.000a	.	.	.	260.000a	.	260.000a

a/A(24) > Exceeds NORMAL limit.
 e/E(15) > Exceeds NORMAL and FOOD limits.

Tab.length cont'd **MYTI EDU, SB, J63, 56A Kvalnes**

Date	870902		881006		890929		901101		911002		920906	
	Param	(w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
ICDP	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	1.800
DBA3A	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	0.700
BGHIP	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	1.000
COR	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	<0.200
DBP	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	<0.200
DI Σ56	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	20.400
P Σ20	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	<83.700
PK Σ7	ppb w.wt	.....	.	.	.	.	.	.	.	.	.	<33.200
PAHΣΣ	ppb w.wt ?	.....	.	.	.	.	.	.	.	.	.	<104.100a

a/A(39) > Exceeds NORMAL Limit.
 e/E(21) > Exceeds NORMAL and FOOD Limits.

Species : **MYTI EDU** Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørforjorden**, Tissue: **Whole SOFT BODY**.
 Locality : **57A Krossanes**, Latitude: 60°23.20N, Longitude: 06°41.20E.

Date	870903		881006		890929		901101		911002		920905	
	Param	(w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count	Min:Max	3:3	3:3	3:3	3:3	3:3	3:3	3:3	1:3	1:3	1:3	52.778
No of Shell		52.667	50.667	66.000	47.333	31.000	30.000	30.000	50.000	30.000	30.000	30.000
Length.min	mm	30.000	30.000	28.667	31.000	39.000	38.667	38.667	38.667	38.667	38.667	39.500
Length.max	mm	39.000	38.667	43.000	39.000	36.000	35.333	35.000	34.333	34.333	34.333	34.833
Length.mean	mm	34.000	34.333	36.000	35.333	36.000	35.333	35.000	34.333	34.333	34.333	34.833
Shell	wght g	1.167	1.333	1.867	1.633	1.600	1.600	1.600	1.900	1.900	1.900	1.583
Tissue	wght g	1.283	1.127	1.713	1.073	1.343	1.343	1.343	1.030	1.030	1.030	1.262
Dry	%	16.040	17.410	13.933	14.100	12.400	13.733	13.733	14.603	14.603	14.603	14.603
Fat	%	1.330	1.330	1.330	1.200	1.200	1.288	1.288	1.288	1.288	1.288	1.288
Cd	ppm w.wt	3.360e	7.270e	4.813e	4.287e	4.063e	4.380e	4.380e	4.380e	4.380e	4.380e	4.695e
Cu	ppm w.wt	1.196	1.105	0.807	0.867	0.923	0.873	0.923	0.873	0.923	0.923	0.962
Hg	ppm w.wt	0.027	0.035a	0.038a	0.067a	0.097a	0.070a	0.070a	0.070a	0.070a	0.070a	0.055a
Pb	ppm w.wt	4.956e	5.631e	1.807e	2.043e	1.457e	4.323e	4.323e	4.323e	4.323e	4.323e	3.370e
Zn	ppm w.wt	69.453e	52.457e	59.133e	87.967e	35.000a	33.133a	33.133a	33.133a	33.133a	33.133a	56.190e
PCB	ppb w.wt	.	.	5.700	.	5.000	.	5.000	.	5.000	.	<<5.350
CB28	ppb w.wt	.	.	0.300	.	0.300	.	0.300	.	0.300	.	<<0.233
CB52	ppb w.wt	.	.	<<0.100	.	<<0.300	.	<<0.167	.	<<0.189	.	<<0.189
CB101	ppb w.wt	.	.	0.833	.	0.833	.	<0.200	.	<0.378	.	<<0.378
CB105	ppb w.wt	.	.	.	.	.	.	<0.100	.	<0.100	.	<<0.100
CB118	ppb w.wt	.	.	0.300	.	0.300	.	0.167	.	0.167	.	<<0.222
CB138	ppb w.wt	.	.	0.900	.	0.900	.	0.200	.	0.200	.	<<0.467
CB153	ppb w.wt	.	.	1.233	.	1.233	.	0.200	.	0.200	.	<<0.644
CB156	ppb w.wt	.	.	.	.	.	.	<0.100	.	<0.100	.	<<0.100
CB180	ppb w.wt	.	.	0.333	.	0.333	.	<0.100	.	<0.211	.	<<0.211
CB209	ppb w.wt	.	.	.	.	.	.	<0.100	.	<0.100	.	<<0.100
CB Σ7	ppb w.wt	.	.	<<4.000	.	<<4.000	.	<0.933	.	<0.933	.	<<1.811
CB ΣΣ	ppb w.wt	.	.	<<4.000	.	<<4.000	.	<0.500	.	<1.000	.	<<1.833
DDEPP	ppb w.wt	.	.	.	.	.	.	3.567a	.	3.567a	.	3.567a
DDTEP	ppb w.wt	.	.	.	.	.	.	10.083a	.	10.083a	.	10.083a
DDTEP	ppb w.wt	.	.	11.667a	.	11.667a	.	2.400a	.	2.400a	.	2.400a
DD Σ4	ppb w.wt	.	.	11.667a	.	11.667a	.	8.711a	.	8.711a	.	8.711a
HCHA	ppb w.wt	.	.	.	.	.	.	<<0.100	.	<<0.100	.	<<0.100
HCHG	ppb w.wt	.	.	<<50.000a	.	<<50.000a	.	0.167	.	0.167	.	<<16.822a
HC Σ2	ppb w.wt	.	.	<<50.000a	.	<<50.000a	.	<0.267	.	<0.267	.	<<16.856a
HCB	ppb w.wt	.	.	.	.	.	.	<0.100	.	<0.100	.	<<0.111
QCB	ppb w.wt	.	.	0.133	.	0.133	.	<0.100	.	<0.100	.	<0.100
OCS	ppb w.wt	.	.	.	.	.	.	<0.100	.	<0.100	.	<0.100
EPOCL	ppb w.wt ?	.	.	263.333a	.	263.333a	.	200.000a	.	200.000a	.	231.667a

a/A(26) > Exceeds NORMAL Limit.
 e/E(19) > Exceeds NORMAL and FOOD Limits.

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.

Date	870901		881007		890927		901101		911002		920905	
	Param	(w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count	Min:Max	3:3	3:3	1:3	3:3	3:3	1:3	3:3	1:3	3:3	2:3	Mean
No of Shell		47.333	50.000	57.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.722
Length.min mm		30.000	30.000	30.667	30.333	30.333	30.333	30.333	30.333	30.333	30.000	30.222
Length.max mm		39.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000	39.000
Length.mean mm		34.333	34.333	35.333	35.333	35.333	34.333	35.333	34.333	35.000	35.000	34.778
Shell weight g		1.767	1.500	1.800	1.633	1.800	1.800	1.800	1.800	1.800	1.800	1.717
Tissue weight g		0.917	1.217	1.700	1.003	1.003	0.997	1.003	0.997	1.233	1.233	1.178
Dry %		15.067	15.803	18.200	12.433	12.433	10.633	13.600	10.633	13.600	13.600	14.289
Fat %				1.690			1.000	1.300	1.000	1.300	1.300	1.330
Cd	ppm w.wt +.+.+.+.+	5.833e	2.324e	3.360e	3.193e	3.867e	3.867e	2.380e	3.867e	2.380e	2.380e	3.493e
Cu	ppm w.wt +.+.+.+.+	1.507	1.002	0.880	0.800	0.800	1.150	0.810	1.025	0.810	0.810	1.025
Hg	ppm w.wt +.+.+.+.+	0.046a	0.027	0.032a	0.050a	0.050a	0.051a	0.043a	0.042a	0.043a	0.043a	0.042a
Pb	ppm w.wt +.+.+.+.+	15.375e	1.453e	1.113e	1.317e	1.317e	1.237e	2.113e	3.768e	2.113e	2.113e	3.768e
Zn	ppm w.wt +.+.+.+.+	85.579e	42.936a	44.667a	57.767e	57.767e	43.167a	26.900	50.169e	26.900	26.900	50.169e
PCB	ppb w.wt +.+.+.+.+			4.867			<5.000		<<4.933			<<4.933
CB28	ppb w.wt +.+.+.+.+			0.367			<0.300	0.100	<<0.256	0.100	0.100	<<0.256
CB52	ppb w.wt +.+.+.+.+			<<0.100			<0.300	0.200	<<0.200	0.200	0.200	<<0.200
CB101	ppb w.wt +.+.+.+.+			0.233			<0.200	<0.100	<<0.178	<0.100	<0.100	<<0.178
CB105	ppb w.wt +.+.+.+.+							0.100	0.100	0.100	0.100	0.100
CB118	ppb w.wt +.+.+.+.+			0.333			<0.200	0.100	<<0.211	0.100	0.100	<<0.211
CB138	ppb w.wt +.+.+.+.+			0.733			<0.300	0.150	<<0.394	0.150	0.150	<<0.394
CB153	ppb w.wt +.+.+.+.+			1.567			<0.500	0.200	<<0.756	0.200	0.200	<<0.756
CB156	ppb w.wt +.+.+.+.+							<0.100	<<0.100	<0.100	<0.100	<<0.100
CB180	ppb w.wt +.+.+.+.+			0.333			<0.200	<0.100	<<0.211	<0.100	<0.100	<<0.211
CB209	ppb w.wt +.+.+.+.+							<0.100	<<0.100	<0.100	<0.100	<<0.100
CB Σ7	ppb w.wt +.+.+.+.+			<<3.667			<0.500	<0.900	<<1.689	<0.900	<0.900	<<1.689
CB ΣΣ	ppb w.wt +.+.+.+.+			<<3.667			<0.500	<0.100	<<1.722	<0.100	<0.100	<<1.722
DDEPP	ppb w.wt +.+.+.+.+							1.750	1.750	1.750	1.750	1.750
DDTEP	ppb w.wt +.+.+.+.+			4.833a			1.300	3.067a	3.067a	3.067a	3.067a	3.067a
TDEPP	ppb w.wt +.+.+.+.+							0.950	0.950	0.950	0.950	0.950
DD Σ4	ppb w.wt +.+.+.+.+			4.833a			1.300	2.700a	2.700a	2.700a	2.700a	2.944a
HCHA	ppb w.wt +.+.+.+.+							<0.100	<<0.100	<0.100	<0.100	<<0.100
HCHA	ppb w.wt +.+.+.+.+							<0.300	<<16.833a	0.200	0.200	<<16.833a
HCHG	ppb w.wt +.+.+.+.+			<<50.000a			<0.300	<0.300	<<16.867a	<0.300	<0.300	<<16.867a
HC Σ2	ppb w.wt +.+.+.+.+			<<50.000a			<0.100	<0.100	<<0.122	<0.100	<0.100	<<0.122
HCB	ppb w.wt +.+.+.+.+			0.167				<0.100	<<0.100	<0.100	<0.100	<<0.100
OCS	ppb w.wt +.+.+.+.+			4600.000				4600.000	4600.000	4600.000	4600.000	4600.000
EOCL	ppb w.wt +.+.+.+.+			340.000a			250.000a	250.000a	250.000a	250.000a	250.000a	295.000a
EPOCL	ppb w.wt ?											

a/A(21) > Exceeds NORMAL limit.
 e/E(17) > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **65A Vikingneset**, Latitude: 60°14.50N, Longitude: 06°09.60E.

Date	870901		881007		890927		901030		911001		920905	
	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max	Mean	Min:Max
Count	3:3		3:6		3:3		3:3		3:3		1:3	
No of Shell	48.667		32.222		59.333		50.667		66.667		66.667	
Length.min mm	30.667		30.667		30.000		30.667		30.333		30.000	
Length.max mm	39.000		38.444		39.000		38.333		39.000		39.000	
Length.mean mm	35.000		34.667		34.667		34.333		35.000		35.000	
Shell wght g	1.300		2.633		2.800		2.367		2.533		1.600	
Tissue wght g	1.443		1.928		2.177		1.230		1.440		1.590	
Dry %	17.513		19.191		24.333		14.133		12.233		16.333	
Fat %			5.443		2.110		1.063		0.950		1.667	
Cd	2.646e		?1.113e		2.447e		2.063e		2.223e		0.853e	
Cu	1.442		?0.892		1.150		2.233a		1.027		0.903	
Hg	0.019		?0.027		0.027		0.043a		0.037a		0.030	
Pb	1.010e		?0.701e		0.730e		0.763e		0.443		0.847e	
Zn	38.051a		?28.493		46.367a		61.900e		34.533a		22.000	
PCB			4.740		5.567		6.367		<<5.000			
CB28			<<0.088		<<0.167		<<0.330		<<0.300		<<0.100	
CB52			0.944		<<0.100		<<0.493		<<0.300		<<0.200	
CB101			<<0.020		0.167		<<0.490		<<0.267		<<0.100	
CB105											<<0.100	
CB118					0.233		0.757		<<0.233		0.100	
CB138			<<0.147		0.600		0.523		<<0.300		0.167	
CB153			<<0.020		1.333		0.567		<<0.500		0.167	
CB156											<<0.100	
CB180			<<0.020		0.433		1.457		<<0.200		<<0.100	
CB209											<<0.100	
CB_27			<<1.186		<<3.000		<<4.350		<<0.733		<<0.767	
CB_28			<<1.186		<<3.000		<<4.350		<<0.733		<<0.833	
DDEPP											1.167	
DDEPP			3.919a		4.233a		2.247a		1.667		3.016a	
DDEPP											0.800	
DDEPP			3.919a		4.233a		2.247a		1.667		1.967	
DDEPP											2.806a	
HCHA											<<0.100	
HCHA											<<0.100	
HCHG					<<50.000a		<<0.290		<<0.300		0.233	
HCHG					<<50.000a		<<0.290		<<0.300		<<12.706a	
HC_22							0.080		<<0.100		<<12.731a	
HCB			<<0.040		0.133				<<0.100		<<0.091	
HCB											<<0.100	
OCS											<<0.100	
EPOCL			1513.333a		450.000a		336.667a		340.000a		<<0.100	
											660.000a	

a/A(25) > Exceeds NORMAL limit.
 e/E(14) > Exceeds NORMAL and FOOD limits.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J62 Hardangerfjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **69A Lille Terøy**, Latitude: 59°58.79N, Longitude: 05°45.35E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
	Count Min:Max	1:3
	No of Shell	30.000
	Length.min mm	41.000
	Length.max mm	49.000
	Length.mean mm	45.000
	Shell wght g	4.367
	Tissue wght g	3.457
	Dry %	18.700
	Fat %	2.000
	Cd ppm w.wt +.+.+.+.+	0.807e
	Cu ppm w.wt +.+.+.+.+	1.143
	Hg ppm w.wt +.+.+.+.+	0.020
	Pb ppm w.wt +.+.+.+.+	0.833e
	Zn ppm w.wt +.+.+.+.+	25.367
	CB28 ppb w.wt +.+.+.+.+	0.100
	CB52 ppb w.wt +.+.+.+.+	0.267
	CB101 ppb w.wt +.+.+.+.+	<<0.100
	CB105 ppb w.wt +.+.+.+.+	<<0.100
	CB118 ppb w.wt +.+.+.+.+	0.100
	CB138 ppb w.wt +.+.+.+.+	0.233
	CB153 ppb w.wt +.+.+.+.+	0.167
	CB156 ppb w.wt +.+.+.+.+	<<0.100
	CB180 ppb w.wt +.+.+.+.+	<<0.100
	CB209 ppb w.wt +.+.+.+.+	<<0.100
	CB 27 ppb w.wt +.+.+.+.+	<<1.033
	CB 28 ppb w.wt +.+.+.+.+	<<1.100
	DDEPP ppb w.wt +.+.+.+.+	0.667
	DEPP ppb w.wt +.+.+.+.+	0.300
	DD 24 ppb w.wt +.+.+.+.+	0.967
	HCHA ppb w.wt +.+.+.+.+	<<0.100
	HCHG ppb w.wt +.+.+.+.+	0.300
	HC 22 ppb w.wt +.+.+.+.+	<<0.400
	HCB ppb w.wt +.+.+.+.+	0.100
	OCS ppb w.wt +.+.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+.+	13.000
	NAP2M ppb w.wt +.+.+.+.+	16.000
	NAP1M ppb w.wt +.+.+.+.+	12.000
	BIPN ppb w.wt +.+.+.+.+	2.900
	NAPDI ppb w.wt +.+.+.+.+	3.700
	NAP1M ppb w.wt +.+.+.+.+	1.700
	ACNLE ppb w.wt +.+.+.+.+	0.400
	ACNE ppb w.wt +.+.+.+.+	0.700
	FLE ppb w.wt +.+.+.+.+	1.300
	PA ppb w.wt +.+.+.+.+	3.400
	ANT ppb w.wt +.+.+.+.+	<0.200
	PAM1 ppb w.wt +.+.+.+.+	1.300
	FLU ppb w.wt +.+.+.+.+	3.700
	PYR ppb w.wt +.+.+.+.+	0.300
	BAA ppb w.wt +.+.+.+.+	0.700
	CHR ppb w.wt +.+.+.+.+	3.000
	BBF ppb w.wt +.+.+.+.+	1.300
	BJKF ppb w.wt +.+.+.+.+	0.400
	BEP ppb w.wt +.+.+.+.+	0.900
	BAP ppb w.wt +.+.+.+.+	<0.200
	PER ppb w.wt +.+.+.+.+	<0.200
	ICDP ppb w.wt +.+.+.+.+	0.400
	DBA3A ppb w.wt +.+.+.+.+	<0.200
	BGHIP ppb w.wt +.+.+.+.+	<0.200
	COR ppb w.wt +.+.+.+.+	<0.200

Tab.length cont'd **MYTI EDU, SB, J62, 69A Lille Terøy** .

Date	920905
Param (w,d,l): No.Fo.Ri.	Mean
DBP ppb w.wt	<0.200
DI_Σ6 ppb w.wt	49.300
P_Σ20 ppb w.wt	<18.000
PK_Σ7 ppb w.wt	<3.000
PAHΣΣ ppb w.wt ?.....	<67.300a

a/A(1) > Exceeds NORMAL limit.
 e/E(2) > Exceeds NORMAL and FOOD limits.

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.

Date	841024	851104	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean
Count Min:Max	1:1	1:2	.	.
No of Shell	50.000	40.000	45.000	
Length.min mm	22.000	25.000	23.500	
Length.max mm	31.000	34.000	32.500	
Length.mean mm	25.000	28.000	26.500	
Shell wght g	-	1.750	1.750	
Tissue wght g	0.710	0.825	0.768	
Dry %	14.100	17.295	15.698	
Fat %	1.200	1.450	1.325	
Cd ppm w.wt +.+.+.+.+	0.200	0.206	0.203	
Cu ppm w.wt +.+.+.+.+	0.930	.	0.930	
Hg ppm w.wt +.+.+.+.+	0.018	0.029	0.023	
Mn ppm w.wt +.+.+.+.+	0.540	0.692	0.616	
Pb ppm w.wt +.+.+.+.+	s0.030	0.442	0.442	
Zn ppm w.wt +.+.+.+.+	16.700	17.175	16.937	
PCB ppb w.wt +.+.+.+.+	17.000a	77.000a	47.000a	
DDTEP ppb w.wt +.+.+.+.+	1.800	<3.000a	<<2.400a	
DD_Σ4 ppb w.wt +.+.+.+.+	1.800	<3.000a	<<2.400a	
HCB ppb w.wt +.+.+.+.+	0.400a	0.800a	0.600a	

s/q(1) ! Suspect value(s)
 a/A(10) > Exceeds NORMAL limit.

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.

Date	841024
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	50.000
Length.min mm	25.000
Length.max mm	38.000
Length.mean mm	32.000
Tissue wght g	1.120
Dry %	14.700
Fat %	1.800
Cd ppm w.wt +...+..	0.170
Cu ppm w.wt +...+..	1.650
Hg ppm w.wt +...+..	0.008
Mn ppm w.wt +...+..	0.600
Pb ppm w.wt +...+..	s11.470e
Zn ppm w.wt +...+..	38.800a
PCB ppb w.wt +...+..	16.000a
DDTEP ppb w.wt +...+..	1.600
DD Σ4 ppb w.wt +...+..	1.600
HCb ppb w.wt +...+..	0.600a

s/q(1) ! Suspect value(s)
 a/A(3) > Exceeds NORMAL limit.
 e/E(1) > Exceeds NORMAL and FOOD limits.

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.

Date	841024		851104		861117		871021		881117		891024		911101		920830	
	Param	(w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count	Min:Max	1:1	2:2	2:2	2:2	3:3	1:1	2:2	3:3	1:1	2:2	3:3	2:2			
No of Shell		50.000	47.000	49.500	36.333	101.000	75.000	66.333	35.000	57.521						
Length.min	mm	28.000	25.500	26.000	30.000	20.000	27.000	29.667	25.000	26.396						
Length.max	mm	40.000	33.500	33.500	37.667	28.000	34.500	40.000	34.000	35.146						
Length.mean	mm	33.000	29.000	28.500	33.333	22.000	30.500	35.000	29.000	30.042						
Shell weight g			1.750	1.800	2.967	0.600	2.250	2.967	2.050	2.055						
Tissue wght g		1.420	0.810	0.775	1.327	0.530	0.945	1.167	1.160	1.017						
Dry %		17.700	18.650	15.250	16.667	25.000	18.700	17.433	19.300	18.588						
Fat %		0.700	0.850	0.850	1.063	2.830	1.465			1.293						
Cu	ppm w.wt +...+..	0.250	0.217	0.353a	0.193	0.100	0.235	0.220	0.235	0.225						
Hg	ppm w.wt +...+..	1.130		s2.114a	0.811	1.443	1.400	2.203a	1.385	1.385						
Mn	ppm w.wt +...+..	0.009	0.021	0.026	<<0.012	0.030	0.013	0.012	0.010	<<0.016						
Pb	ppm w.wt +...+..	0.620	0.653			0.180	0.205	0.237	0.180	0.636						
Zn	ppm w.wt +...+..	s0.020	0.201	0.280	0.225	19.025	24.150	24.600	23.800	0.215						
PCB	ppb w.wt +...+..	22.400	19.808	20.121	18.719	4.000	4.150			21.578						
CB28	ppb w.wt +...+..	36.000a	<<18.000a	11.850a	8.667	0.300	0.250			<<13.778a						
CB52	ppb w.wt +...+..					0.600	<<0.100			0.275						
CB101	ppb w.wt +...+..					0.300	0.300			<<0.289						
CB118	ppb w.wt +...+..					<0.100	0.200			<<0.222						
CB138	ppb w.wt +...+..					0.200	0.200			0.200						
CB153	ppb w.wt +...+..					0.700	0.650			0.675						
CB180	ppb w.wt +...+..					0.400	1.250			0.825						
CB_Σ7	ppb w.wt +...+..					<<0.150	0.200			<<0.150						
CB_ΣΣ	ppb w.wt +...+..					<<0.450	<<2.950			<<1.833						
DDTEP	ppb w.wt +...+..					<<0.450	<<2.950			<<1.833						
DD_Σ4	ppb w.wt +...+..	1.900	<<1.500	<<0.500	1.667	1.100	0.600			<<1.211						
HCHG	ppb w.wt +...+..	1.900	<<1.500	<<0.500	1.667	1.100	0.600			<<1.211						
HCB_Σ2	ppb w.wt +...+..					<<3.000a	<<5.000a			<<19.333a						
HCB	ppb w.wt +...+..					<<3.000a	<<5.000a			<<19.333a						
EPOCL	ppb w.wt +...+..	0.400a	2.000a	<<0.100	0.100	<0.200	0.100			<<0.483a						
	ppb w.wt ?			295.000a	113.333a	130.000a	275.000a			203.333a						

s/q(2)
 a/A(23)
 ! Suspect value(s)
 > Exceeds NORMAL limit.

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.

Date	841024
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	50.000
Length.min mm	33.000
Length.max mm	42.000
Length.mean mm	37.000
Tissue wght g	2.020
Dry %	15.400
Fat %	1.400
Cd ppm w.wt +...+..	0.200
Cu ppm w.wt +...+..	1.180
Hg ppm w.wt +...+..	0.010
Mn ppm w.wt +...+..	0.570
Pb ppm w.wt +...+..	s0.020
Zn ppm w.wt +...+..	20.200
PCB ppb w.wt +...+..	10.000
DDIEP ppb w.wt +...+..	1.300
DDΣ4 ppb w.wt +...+..	1.300
HCB ppb w.wt +...+..	0.300a

s/q(1) ! Suspect value(s)
 a/A(1) > Exceeds NORMAL limit.

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.

Date	841023	851104	861117	871021	881117	891024	911101	920830	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	2:2	1:3	1:3	1:3	2:3	3:3	3:3	2:3		
No of Shell	55.000	46.000	53.667	49.000	66.333	66.333	66.667	56.667	57.458	57.458
Length.min mm	26.000	30.000	30.667	30.000	30.000	31.000	30.000	30.000	29.708	29.708
Length.max mm	35.000	38.000	39.000	39.000	39.000	39.333	39.333	39.000	38.458	38.458
Length.mean mm	29.500	33.667	34.667	34.333	34.333	35.333	34.000	34.000	33.729	33.729
Shell wght g	1.100	1.100	2.100	1.333	1.300	2.167	3.167	3.033	2.029	2.029
Tissue wght g	1.180	1.043	1.923	1.533	1.933	1.683	1.560	1.973	1.586	1.586
Dry %	14.650	15.633	14.800	11.533	14.300	19.900	19.667	15.267	15.719	15.719
Fat %	1.800	0.567	1.097	0.700	1.703	2.030	2.067	1.500	1.433	1.433
Cd	0.205	0.297	0.338a	0.242	0.151	0.257	0.313a	0.313a	0.265	0.265
Cu	1.540	0.297	13.939a	6.468a	5.562a	5.670a	3.077a	3.417a	5.667a	5.667a
Hg	0.012	0.020	0.019	0.009	0.033a	0.016	0.014	0.013	0.017	0.017
Mn	0.515	0.764	0.103	0.162	0.220	0.197	0.207	0.177	0.639	0.639
Pb	0.040	0.263	0.103	0.162	0.220	0.197	0.207	0.177	0.190	0.190
Zn	17.400	23.709	24.286	15.465	18.486	30.833a	40.900a	26.833	24.739	24.739
PCB	16.000a	76.000a	8.100	6.000	3.800	5.233	<<5.000	<<0.100	<<17.162a	<<17.162a
CB28									<<0.208	<<0.208
CB52									<<0.377	<<0.377
CB101									<<0.200	<<0.200
CB105									<<0.100	<<0.100
CB118									<<0.200	<<0.200
CB138									<<0.496	<<0.496
CB153									<<0.717	<<0.717
CB156									<<0.100	<<0.100
CB180									<<0.165	<<0.165
CB209									<<0.100	<<0.100
CB27									<<1.562	<<1.562
CB28									<<1.588	<<1.588
CB28									0.567	0.567
DDEPP									<<0.995	<<0.995
DDTEP									0.600	0.600
DDTEP									<<0.992	<<0.992
DD24									0.100	0.100
HCHA									<<11.680a	<<11.680a
HCHG									<<11.700a	<<11.700a
HC22									<<0.402a	<<0.402a
HCB									<<0.100	<<0.100
OCB									<<0.100	<<0.100
QCS									182.800a	182.800a
EPOCL									1.550	1.550
NAP									4.300	4.300
NAP2M									4.450	4.450
NAP1M									1.100	1.100
BIPN									1.750	1.750
NAPDI									1.800	1.800
NAP1M									<<0.200	<<0.200
ACNLE									<<0.350	<<0.350
ACME									1.050	1.050
FLE									3.950	3.950
PA									0.700	0.700
ANT									1.950	1.950
PAM1									9.800	9.800
FLU									5.600	5.600
PYR									1.250	1.250
BAA									2.650	2.650
CHR									1.700	1.700
BBF									<<0.200	<<0.200
BJKF									1.700	1.700
BEP									<<1.700	<<1.700
BAP									0.400	0.400

Tab.length cont'd **MYTI EDU, SB, J65, 84A Trossavika** .

Date	841023	851104	861117	871021	881117	891024	911101	920830	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
PER ppb w.wt	<<0.200	<<0.200
ICDP ppb w.wt	0.450	0.450
DBA3A ppb w.wt	<<0.200	<<0.200
BGHIP ppb w.wt	0.300	0.300
COR ppb w.wt	<<0.200	<<0.200
DBP ppb w.wt	<<0.200	<<0.200
DI 26 ppb w.wt	14.950	14.950
P 220 ppb w.wt	<<31.950	<<31.950
PK 27 ppb w.wt	<<4.000	<<4.000
PAHΣΣ ppb w.wt ?	<<46.900	<<46.900

s/q(1) ! Suspect value(s)
a/A(36) > Exceeds NORMAL limit.

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.

Date	841023	Mean
Param (w,d,l): No.Fo.Ri.		
Count Min:Max	1:1	
No of Shell	50.000	
Length.min mm	34.000	
Length.max mm	50.000	
Length.mean mm	39.000	
Tissue.wght g	2.210	
Dry %	18.400	
Fat %	1.700	
Cd ppm w.wt	0.240	+..+..+
Cu ppm w.wt	1.120	+..+..+
Hg ppm w.wt	0.010	+..+..+
Mn ppm w.wt	0.620	+..+..+
Pb ppm w.wt	s<0.020	+..+..+
Zn ppm w.wt	21.100	+..+..+
PCB ppb w.wt	11.000a	+..+..+
DDTEP ppb w.wt	1.500	+..+..+
DD 24 ppb w.wt	1.500	+..+..+
HCb ppb w.wt	0.400a	+..+..+

s/q(1) ! Suspect value(s)
a/A(2) > Exceeds NORMAL limit.

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.

Date	841023
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	60.000
Length.min mm	16.000
Length.max mm	24.000
Length.mean mm	17.000
Tissue weight g	0.290
Dry %	19.000
Cd ppm w.wt +...+..	0.220
Cu ppm w.wt +...+..	1.040
Hg ppm w.wt +...+..	0.010
Mn ppm w.wt +...+..	0.620
Pb ppm w.wt +...+..	0.060
Zn ppm w.wt +...+..	19.700

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 : **87A Ingdalsbukta**, Latitude: 63°27.80N, Longitude: 09°54.80E.

Date	841023	851104	861117	871021	881117	891024	911101	920830	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
No of Shell	60.000	122.000	18.000	31.000	101.000	99.000	100.000	50.000	72.625
Length.min mm	14.000	15.000	20.000	20.000	20.000	21.000	20.000	20.000	18.750
Length.max mm	22.000	24.000	24.000	23.000	27.000	29.000	34.000	25.000	26.000
Length.mean mm	15.000	16.000	21.000	21.000	21.000	25.000	24.000	22.000	20.625
Shell weight g	0.200	0.300	0.600	0.500	0.600	1.100	1.000	0.500	0.657
Tissue weight g	18.590	0.140	0.420	0.250	0.350	0.540	0.360	0.320	0.323
Dry %	0.600	20.400	6.400	18.000	21.800	23.800	19.500	18.400	18.361
Fat %	0.180	0.208	0.124	0.139	1.810	2.600	0.170	0.180	1.670
Cd ppm w.wt +...+..	0.850	0.208	0.124	0.139	0.150	0.180	0.170	0.180	0.166
Cu ppm w.wt +...+..	0.033a	0.010	0.010	3.618a	1.820	1.400	1.420	1.160	1.711
Hg ppm w.wt +...+..	0.660	1.346	0.010	<0.009	0.057a	0.011	0.011	0.010	<0.020
Mn ppm w.wt +...+..	0.020	0.267	0.104	0.180	0.259	0.170	0.190	0.160	1.003
Pb ppm w.wt +...+..	18.600	18.931	6.253	18.360	22.890	23.000	22.800	21.000	18.979
Zn ppm w.wt +...+..					4.700	5.700			5.200
PCB ppb w.wt +...+..					0.100	0.400			0.250
CB28 ppb w.wt +...+..					0.300	<0.100			<<0.200
CB52 ppb w.wt +...+..					<0.100	0.500			<<0.300
CB101 ppb w.wt +...+..					0.300	0.200			0.200
CB118 ppb w.wt +...+..					<0.100	0.900			0.600
CB138 ppb w.wt +...+..					<0.100	0.800			<<0.450
CB153 ppb w.wt +...+..					<0.100	0.200			<<0.150
CB180 ppb w.wt +...+..					<0.800	<3.100			<<1.950
CB 27 ppb w.wt +...+..					0.800	<0.800			<<1.950
CB 22 ppb w.wt +...+..					0.800	0.700			0.750
DDTEP ppb w.wt +...+..					0.800	0.700			0.750
DD 24 ppb w.wt +...+..					<5.000a	<50.000a			<<27.500a
HCHG ppb w.wt +...+..					<5.000a	<50.000a			<<27.500a
HC 22 ppb w.wt +...+..					<5.000a	<50.000a			<<27.500a
HCB ppb w.wt +...+..					0.100	0.100			<<0.150
EP0CL ppb w.wt +...+..					800.000a	660.000a			730.000a

s/q(2) : Suspect value(s)
 a/A(12) : Exceeds NORMAL limit.

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.

Date	841023		851104	
	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.Ri.	1:1	1:1	1:1	Mean
Count Min:Max	60.000	44.000	52.000	Mean
No of Shell	15.000	11.000	13.000	
Length.min mm	24.000	24.000	24.000	
Length.max mm	17.000	16.000	16.500	
Length.mean mm	.	0.300	0.300	
Shell wght g	0.230	0.130	0.180	
Tissue wght g	17.590	19.800	18.695	
Dry %	.	0.600	0.600	
Fat %	0.200	0.222	0.211	
Cd ppm w.wt +...+..	1.030	.	1.030	
Cu ppm w.wt +...+..	0.014	.	0.014	
Hg ppm w.wt +...+..	0.610	1.335	0.972	
Mn ppm w.wt +...+..	s0.040	0.388	0.388	
Pb ppm w.wt +...+..	19.800	27.720	23.760	
Zn ppm w.wt +...+..	.	q550.000a	q550.000a	
PCB ppb w.wt +...+..	.	q32.000a	q32.000a	
DDTEP ppb w.wt +...+..	.	q32.000a	q32.000a	
DDΣ4 ppb w.wt +...+..	.	q<2.000a	q<2.000a	
HCb ppb w.wt +...+..	.	q<2.000a	q<2.000a	

s/q(9) ! Suspect value(s)
 a/A(8) > Exceeds NORMAL limit.

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **25A Hinnøy**, Latitude: 61°22.20N, Longitude: 04°52.80E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
	Count Min:Max	2:3
	No of Shell	20.000
	Length.min mm	40.000
	Length.max mm	49.000
	Length.mean mm	45.000
	Shell wght g	2.733
	Tissue wght g	2.963
	Dry %	14.500
	Fat %	1.300
	Cd ppm w.wt	0.207
	Cu ppm w.wt	0.953
	Hg ppm w.wt	0.020
	Pb ppm w.wt	0.393
	Zn ppm w.wt	25.900
	CB28 ppb w.wt	<<0.100
	CB52 ppb w.wt	<<0.100
	CB101 ppb w.wt	<<0.100
	CB105 ppb w.wt	<<0.100
	CB118 ppb w.wt	0.100
	CB138 ppb w.wt	0.267
	CB153 ppb w.wt	0.167
	CB156 ppb w.wt	<<0.100
	CB180 ppb w.wt	<<0.100
	CB209 ppb w.wt	<<0.100
	CB 27 ppb w.wt	<<0.667
	CB 22 ppb w.wt	<<0.700
	DDEPP ppb w.wt	0.167
	TDEPP ppb w.wt	0.167
	DD 24 ppb w.wt	0.333
	HCHA ppb w.wt	0.100
	HCHG ppb w.wt	0.233
	HC 22 ppb w.wt	0.333
	HCB ppb w.wt	<<0.100
	QCB ppb w.wt	<<0.100
	OCS ppb w.wt	<<0.100
	NAP ppb w.wt	10.500
	NAP2M ppb w.wt	9.600
	NAP1M ppb w.wt	7.700
	BIPN ppb w.wt	1.700
	NAPDI ppb w.wt	2.600
	NAPTM ppb w.wt	1.600
	ACNLE ppb w.wt	0.200
	ACNE ppb w.wt	0.450
	FLE ppb w.wt	0.850
	PA ppb w.wt	2.900
	ANT ppb w.wt	<<0.200
	PAM1 ppb w.wt	1.100
	FLU ppb w.wt	1.750
	PYR ppb w.wt	<<0.250
	BAA ppb w.wt	0.550
	CHR ppb w.wt	1.400
	B8F ppb w.wt	1.150
	BJKF ppb w.wt	<<0.200
	BEP ppb w.wt	0.750
	BAP ppb w.wt	<<0.250
	PER ppb w.wt	<<0.200
	ICDP ppb w.wt	0.600
	DBA3A ppb w.wt	<<0.200
	BGHIP ppb w.wt	<<0.200

Tab.length cont'd MYTI EDU, SB, J99, 25A Hinnøy .

Date	920903	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	33.700	
P_Σ20 ppb w.wt	<<12.500	
PK_Σ7 ppb w.wt	<<2.650	
PAH_ΣΣ ppb w.wt ?.....	<<46.000	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **26A Hamnen**, Latitude: 61°52.70N, Longitude: 05°13.60E.

Date	Param (W,d,l): No.Fo.Ri.	Mean
	Count Min:Max	2:6
	No of Shell	43.333
	Length.min mm	35.000
	Length.max mm	44.000
	Length.mean mm	39.833
	Shell wght g	3.017
	Tissue wght g	2.482
	Dry %	16.683
	Fat %	1.450
	Cd ppm w.wt +.+.+.+.+	0.183
	Cu ppm w.wt +.+.+.+.+	1.288
	Hg ppm w.wt +.+.+.+.+	0.015
	Pb ppm w.wt +.+.+.+.+	0.233
	Zn ppm w.wt +.+.+.+.+	20.883
	CB28 ppb w.wt +.+.+.+.+	<<0.100
	CB52 ppb w.wt +.+.+.+.+	<<0.100
	CB101 ppb w.wt +.+.+.+.+	0.100
	CB105 ppb w.wt +.+.+.+.+	<<0.100
	CB118 ppb w.wt +.+.+.+.+	0.100
	CB138 ppb w.wt +.+.+.+.+	0.200
	CB153 ppb w.wt +.+.+.+.+	0.200
	CB156 ppb w.wt +.+.+.+.+	<<0.100
	CB180 ppb w.wt +.+.+.+.+	<<0.100
	CB209 ppb w.wt +.+.+.+.+	<<0.100
	CB >7 ppb w.wt +.+.+.+.+	<<0.700
	CB >> ppb w.wt +.+.+.+.+	<<0.750
	DDEPP ppb w.wt +.+.+.+.+	0.450
	DEPP ppb w.wt +.+.+.+.+	0.500
	DD >4 ppb w.wt +.+.+.+.+	0.950
	HCHA ppb w.wt +.+.+.+.+	0.100
	HCHG ppb w.wt +.+.+.+.+	0.250
	HC >2 ppb w.wt +.+.+.+.+	0.350
	HCB ppb w.wt +.+.+.+.+	<<0.100
	QCB ppb w.wt +.+.+.+.+	<<0.100
	OCS ppb w.wt +.+.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+.+	7.100
	NAP2M ppb w.wt +.+.+.+.+	6.150
	NAP1M ppb w.wt +.+.+.+.+	5.100
	BIPN ppb w.wt +.+.+.+.+	1.100
	NAPDI ppb w.wt +.+.+.+.+	1.900
	NAP1M ppb w.wt +.+.+.+.+	1.450
	ACNLE ppb w.wt +.+.+.+.+	0.250
	ACNE ppb w.wt +.+.+.+.+	0.400
	FLE ppb w.wt +.+.+.+.+	0.650
	PA ppb w.wt +.+.+.+.+	2.500
	ANT ppb w.wt +.+.+.+.+	0.200
	PAM1 ppb w.wt +.+.+.+.+	1.750
	FLU ppb w.wt +.+.+.+.+	0.550
	PYR ppb w.wt +.+.+.+.+	0.600
	BAA ppb w.wt +.+.+.+.+	0.600
	CHR ppb w.wt +.+.+.+.+	1.350
	BBF ppb w.wt +.+.+.+.+	1.050
	BJKF ppb w.wt +.+.+.+.+	<<0.300
	BEP ppb w.wt +.+.+.+.+	0.750
	BAP ppb w.wt ?	0.250
	PER ppb w.wt +.+.+.+.+	<<0.200
	ICDP ppb w.wt +.+.+.+.+	0.400
	DBA3A ppb w.wt +.+.+.+.+	<<0.200
	BGHIP ppb w.wt +.+.+.+.+	<<0.200

Tab.length cont'd MYTI EDU, SB, J99, 26A Hamnen .

Date	920902	
Param (w,d,l): No.Fo.Ri.	Mean	
COR	ppb w.wt	<<0.200
DBP	ppb w.wt	<<0.200
DI Σ6	ppb w.wt	22.800
P Σ20	ppb w.wt	<<12.850
PK Σ7	ppb w.wt	<<2.700
PAHΣΣ	ppb w.wt ?	<<35.650

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 27A Grindén, Latitude: 62°12.20N, Longitude: 05°25.40E.

Date	920902	
Param (w,d,l): No.Fo.Ri.	Mean	
Count	Min:Max	1:2
No of Shell		20.000
Length.min	mm	30.500
Length.max	mm	38.500
Length.mean	mm	34.500
Shell wght g		4.100
Tissue wght g		2.185
Dry %		16.400
Fat %		1.100
Cd	ppm w.wt +...+..	0.180
Cu	ppm w.wt +...+..	1.145
Hg	ppm w.wt +...+..	0.018
Pb	ppm w.wt +...+..	0.300
Zn	ppm w.wt +...+..	26.850
CB28	ppb w.wt +...+..	<0.100
CB52	ppb w.wt +...+..	<0.100
CB101	ppb w.wt +...+..	0.100
CB105	ppb w.wt +...+..	0.100
CB118	ppb w.wt +...+..	0.100
CB138	ppb w.wt +...+..	0.300
CB153	ppb w.wt +...+..	0.300
CB156	ppb w.wt +...+..	<0.100
CB180	ppb w.wt +...+..	<0.100
CB209	ppb w.wt +...+..	<0.100
CB Σ27	ppb w.wt +...+..	<0.900
CB ΣΣ2	ppb w.wt +...+..	<1.000
DDEPP	ppb w.wt +...+..	0.300
TDEPP	ppb w.wt +...+..	0.100
DD Σ4	ppb w.wt +...+..	0.400
HCHA	ppb w.wt +...+..	<0.100
HCHG	ppb w.wt +...+..	<0.100
HC ΣΣ2	ppb w.wt +...+..	<0.100
HCB	ppb w.wt +...+..	<0.100
QCB	ppb w.wt +...+..	<0.100
OCS	ppb w.wt +...+..	<0.100

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 28A Eiksundet, Latitude: 62°14.90N, Longitude: 05°54.50E.

Date	920901
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:5
No of Shell	20.000
Length.min mm	36.200
Length.max mm	44.800
Length.mean mm	40.000
Shell wght g	3.220
Tissue wght g	2.710
Dry %	17.780
Fat %	1.367
Cd ppm w.wt +.+.+.+.+	0.206
Cu ppm w.wt +.+.+.+.+	1.008
Hg ppm w.wt +.+.+.+.+	0.014
Pb ppm w.wt +.+.+.+.+	0.248
Zn ppm w.wt +.+.+.+.+	25.820
CB28 ppb w.wt +.+.+.+.+	<<0.100
CB52 ppb w.wt +.+.+.+.+	<<0.100
CB101 ppb w.wt +.+.+.+.+	0.100
CB105 ppb w.wt +.+.+.+.+	0.100
CB118 ppb w.wt +.+.+.+.+	0.100
CB138 ppb w.wt +.+.+.+.+	0.300
CB153 ppb w.wt +.+.+.+.+	0.200
CB156 ppb w.wt +.+.+.+.+	<<0.100
CB180 ppb w.wt +.+.+.+.+	<<0.100
CB209 ppb w.wt +.+.+.+.+	<<0.100
CB 27 ppb w.wt +.+.+.+.+	<<0.800
CB 28 ppb w.wt +.+.+.+.+	<<0.900
DDEPP ppb w.wt +.+.+.+.+	0.200
TDEPP ppb w.wt +.+.+.+.+	0.233
DD 24 ppb w.wt +.+.+.+.+	0.433
HCHA ppb w.wt +.+.+.+.+	0.100
HCHG ppb w.wt +.+.+.+.+	0.267
HC 22 ppb w.wt +.+.+.+.+	0.367
HCB ppb w.wt +.+.+.+.+	<<0.100
OCB ppb w.wt +.+.+.+.+	<<0.100
OCS ppb w.wt +.+.+.+.+	<<0.100
NAP ppb w.wt +.+.+.+.+	4.150
NAP2M ppb w.wt +.+.+.+.+	5.650
NAP1M ppb w.wt +.+.+.+.+	4.800
BIPN ppb w.wt +.+.+.+.+	1.350
NAPDI ppb w.wt +.+.+.+.+	2.100
NAP1M ppb w.wt +.+.+.+.+	1.650
ACNLE ppb w.wt +.+.+.+.+	0.250
ACNE ppb w.wt +.+.+.+.+	0.450
FLE ppb w.wt +.+.+.+.+	0.850
PA ppb w.wt +.+.+.+.+	2.850
ANT ppb w.wt +.+.+.+.+	0.250
PAM1 ppb w.wt +.+.+.+.+	1.500
FLU ppb w.wt +.+.+.+.+	1.650
PYR ppb w.wt +.+.+.+.+	0.500
BAA ppb w.wt +.+.+.+.+	0.750
CHR ppb w.wt +.+.+.+.+	1.400
BBF ppb w.wt +.+.+.+.+	1.750
BJKF ppb w.wt +.+.+.+.+	<<0.650
BEP ppb w.wt +.+.+.+.+	1.100
BAP ppb w.wt +.+.+.+.+	<<0.950
PER ppb w.wt +.+.+.+.+	<<0.400
ICDP ppb w.wt +.+.+.+.+	<<1.050
DBA3A ppb w.wt +.+.+.+.+	<<0.300
BGHP ppb w.wt +.+.+.+.+	<<0.700

Tab.length cont'd MYTI EDU, SB, J99, 28A Eiksundet .

Date	920901	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	19.700	
P_Σ20 ppb w.wt	<<16.750	
PK_Σ7 ppb w.wt	<<5.250	
PAHΣΣ ppb w.wt ?	<<36.450	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **91A Nerdvika**, Latitude: 63°23.80N, Longitude: 08°17.60E.

Date	920831
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:3
No of Shell	20.000
Length.min mm	40.000
Length.max mm	49.000
Length.mean mm	43.000
Shell wght g	2.367
Tissue wght g	2.710
Dry %	16.233
Fat %	1.550
Cd ppm w.wt +.+.+.+.+	0.267
Cu ppm w.wt +.+.+.+.+	1.070
Hg ppm w.wt +.+.+.+.+	0.009
Pb ppm w.wt +.+.+.+.+	0.153
Zn ppm w.wt +.+.+.+.+	15.500
CB28 ppb w.wt +.+.+.+.+	<<0.100
CB52 ppb w.wt +.+.+.+.+	<<0.100
CB101 ppb w.wt +.+.+.+.+	<<0.100
CB105 ppb w.wt +.+.+.+.+	<<0.100
CB118 ppb w.wt +.+.+.+.+	<<0.100
CB138 ppb w.wt +.+.+.+.+	0.100
CB153 ppb w.wt +.+.+.+.+	0.100
CB156 ppb w.wt +.+.+.+.+	<<0.100
CB180 ppb w.wt +.+.+.+.+	<<0.100
CB209 ppb w.wt +.+.+.+.+	<<0.100
CB 27 ppb w.wt +.+.+.+.+	<<0.300
CB 28 ppb w.wt +.+.+.+.+	<<0.300
DDEPP ppb w.wt +.+.+.+.+	0.100
TDEPP ppb w.wt +.+.+.+.+	0.100
DD 24 ppb w.wt +.+.+.+.+	0.200
HCHA ppb w.wt +.+.+.+.+	0.100
HCHG ppb w.wt +.+.+.+.+	0.150
HC 22 ppb w.wt +.+.+.+.+	0.250
HCB ppb w.wt +.+.+.+.+	0.100
QCB ppb w.wt +.+.+.+.+	<<0.100
OCS ppb w.wt +.+.+.+.+	<<0.100
NAP ppb w.wt +.+.+.+.+	2.950
NAP2M ppb w.wt +.+.+.+.+	4.650
NAP1M ppb w.wt +.+.+.+.+	4.150
BIPN ppb w.wt +.+.+.+.+	0.900
NAPDI ppb w.wt +.+.+.+.+	1.350
NAPTM ppb w.wt +.+.+.+.+	0.900
ACNLE ppb w.wt +.+.+.+.+	<<0.200
ACNE ppb w.wt +.+.+.+.+	0.300
FLE ppb w.wt +.+.+.+.+	0.550
PA ppb w.wt +.+.+.+.+	1.700
ANT ppb w.wt +.+.+.+.+	<<0.200
PAM1 ppb w.wt +.+.+.+.+	0.550
FLU ppb w.wt +.+.+.+.+	1.050
PYR ppb w.wt +.+.+.+.+	0.200
BAA ppb w.wt +.+.+.+.+	<<0.200
CHR ppb w.wt +.+.+.+.+	0.650
BBF ppb w.wt +.+.+.+.+	0.450
BJKF ppb w.wt +.+.+.+.+	<<0.200
BEP ppb w.wt +.+.+.+.+	0.350
BAP ppb w.wt ?	<<0.200
PER ppb w.wt +.+.+.+.+	<<0.200
ICDP ppb w.wt +.+.+.+.+	0.300
DBA3A ppb w.wt +.+.+.+.+	<<0.200
BGHIP ppb w.wt +.+.+.+.+	<<0.200

Tab.length cont'd MYTI EDU, SB, J99, 91A Nerdvika .

Date	920831	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	14.900	
P_Σ20 ppb w.wt	<<6.300	
PK_Σ7 ppb w.wt	<<0.950	
PAHΣΣ ppb w.wt ?.....	<<21.200	

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **92A Stokken**, Latitude: 64°04.60N, Longitude: 10°00.70E.

Date	920829
Param (w,d,l): No.Fo.Ri.	Mean
Count	2:6
No of Shell	43.333
Length.min mm	35.000
Length.max mm	41.667
Length.mean mm	38.000
Shell wght g	1.533
Tissue wght g	1.597
Dry %	15.050
Fat %	1.200
Cd ppm w.wt +.+.+.+.+	0.162
Cu ppm w.wt +.+.+.+.+	1.050
Hg ppm w.wt +.+.+.+.+	0.008
Pb ppm w.wt +.+.+.+.+	0.163
Zn ppm w.wt +.+.+.+.+	13.617
CB28 ppb w.wt +.+.+.+.+	<<0.100
CB52 ppb w.wt +.+.+.+.+	<<0.100
CB101 ppb w.wt +.+.+.+.+	<<0.100
CB105 ppb w.wt +.+.+.+.+	<<0.100
CB118 ppb w.wt +.+.+.+.+	0.100
CB138 ppb w.wt +.+.+.+.+	0.167
CB153 ppb w.wt +.+.+.+.+	0.167
CB156 ppb w.wt +.+.+.+.+	<<0.100
CB180 ppb w.wt +.+.+.+.+	<<0.100
CB209 ppb w.wt +.+.+.+.+	<<0.100
CB 27 ppb w.wt +.+.+.+.+	<<0.567
CB 28 ppb w.wt +.+.+.+.+	<<0.600
DDEPP ppb w.wt +.+.+.+.+	0.100
TDEPP ppb w.wt +.+.+.+.+	<<0.100
DD 24 ppb w.wt +.+.+.+.+	<<0.200
HCHA ppb w.wt +.+.+.+.+	0.100
HCHG ppb w.wt +.+.+.+.+	0.100
HC 22 ppb w.wt +.+.+.+.+	0.200
HCB ppb w.wt +.+.+.+.+	<<0.100
OCB ppb w.wt +.+.+.+.+	<<0.100
OCS ppb w.wt +.+.+.+.+	<<0.100
NAP ppb w.wt +.+.+.+.+	2.900
NAP2M ppb w.wt +.+.+.+.+	6.200
NAP1M ppb w.wt +.+.+.+.+	5.700
BIPN ppb w.wt +.+.+.+.+	1.050
NAPDI ppb w.wt +.+.+.+.+	1.400
NAP1M ppb w.wt +.+.+.+.+	0.900
ACNLE ppb w.wt +.+.+.+.+	<<0.200
ACNE ppb w.wt +.+.+.+.+	<<0.300
FLE ppb w.wt +.+.+.+.+	0.550
PA ppb w.wt +.+.+.+.+	1.550
ANT ppb w.wt +.+.+.+.+	<<0.200
PAM1 ppb w.wt +.+.+.+.+	0.600
FLU ppb w.wt +.+.+.+.+	0.900
PYR ppb w.wt +.+.+.+.+	0.500
BAA ppb w.wt +.+.+.+.+	<<0.200
BBF ppb w.wt +.+.+.+.+	0.550
BJKF ppb w.wt +.+.+.+.+	<<0.200
BEP ppb w.wt +.+.+.+.+	0.450
BAP ppb w.wt +.+.+.+.+	<<0.200
PER ppb w.wt +.+.+.+.+	<<0.200
ICDP ppb w.wt +.+.+.+.+	0.300
DBA3A ppb w.wt +.+.+.+.+	<<0.200
BGHIP ppb w.wt +.+.+.+.+	0.1400

Tab.length cont'd MYTI EDU, SB, J99, 92A Stokken .

Date	920829
Param (w,d,l): No.Fo.Ri.	Mean
COR	ppb w.wt <<0.200
DBP	ppb w.wt <<0.200
DI Σ26	ppb w.wt 18.150
P Σ20	ppb w.wt <<7.050
PK Σ7	ppb w.wt <<1.250
PAHΣΣ	ppb w.wt ? <<25.200

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 93A Satervik, Latitude: 64°23.50N, Longitude: 10°28.00E.

Date	920829
Param (w,d,l): No.Fo.Ri.	Mean
Count	Min:Max 3:3
No of Shell	20.000
Length.min	mm 30.667
Length.max	mm 38.000
Length.mean	mm 34.000
Shell wght	g 1.167
Tissue wght	g 1.070
Dry %	16.000
Cd	ppm w.wt +...+... 0.200
Cu	ppm w.wt +...+... 1.040
Hg	ppm w.wt +...+... 0.011
Pb	ppm w.wt +...+... 0.187
Zn	ppm w.wt +...+... 15.467

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **94A Landfast**, Latitude: 65°38.40N, Longitude: 12°00.50E.

Date	920828
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:3
No of Shell	20.000
Length.min mm	39.000
Length.max mm	48.667
Length.mean mm	43.000
Shell wght g	2.433
Tissue wght g	2.637
Dry %	17.533
Cd ppm w.wt +...+..	0.147
Cu ppm w.wt +...+..	1.193
Hg ppm w.wt +...+..	0.014
Pb ppm w.wt +...+..	0.137
Zn ppm w.wt +...+..	13.067
NAP	2.800
NAP2M	4.550
NAP1M	4.150
BIPN	0.950
NAPDI	<<0.850
NAPTM	<<0.550
ACNLE	<<0.200
ACNE	<<0.400
FLE	0.700
PA	5.350
ANT	0.200
PAM1	1.050
FLU	13.000
PYR	1.750
BAA	0.400
CHR	1.850
BBF	1.550
BJKF	<<0.400
BEP	1.400
BAP	0.200
PER	<<0.200
ICDP	0.450
DBA3A	<<0.200
BGHIP	0.400
COR	<<0.200
DBP	<<0.200
DI_Σ6	<<13.750
P_Σ20	<<29.100
PK_Σ7	<<3.100
PAH_ΣΣ	<<42.750

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **96A Breiviken**, Latitude: 66°17.60N, Longitude: 12°50.50E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
920827	Count Min:Max	2:6
	No of Shell	43.333
	Length.min mm	35.000
	Length.max mm	44.000
	Length.mean mm	40.167
	Shell wght g	3.233
	Tissue wght g	2.467
	Dry %	18.783
	Fat %	1.750
	Cd ppm w.wt +.+.+.+.+	0.182
	Cu ppm w.wt +.+.+.+.+	1.352
	Hg ppm w.wt +.+.+.+.+	0.009
	Pb ppm w.wt +.+.+.+.+	0.220
	Zn ppm w.wt +.+.+.+.+	19.317
	CB28 ppb w.wt +.+.+.+.+	<<0.100
	CB52 ppb w.wt +.+.+.+.+	<<0.100
	CB101 ppb w.wt +.+.+.+.+	<<0.100
	CB105 ppb w.wt +.+.+.+.+	<<0.100
	CB118 ppb w.wt +.+.+.+.+	0.100
	CB138 ppb w.wt +.+.+.+.+	0.167
	CB153 ppb w.wt +.+.+.+.+	0.150
	CB156 ppb w.wt +.+.+.+.+	<<0.100
	CB180 ppb w.wt +.+.+.+.+	<<0.100
	CB209 ppb w.wt +.+.+.+.+	<<0.100
	CB 217 ppb w.wt +.+.+.+.+	<<0.583
	CB 222 ppb w.wt +.+.+.+.+	<<0.583
	DDEPP ppb w.wt +.+.+.+.+	0.183
	DEPP ppb w.wt +.+.+.+.+	<<0.117
	DD 214 ppb w.wt +.+.+.+.+	<<0.300
	HCHA ppb w.wt +.+.+.+.+	<<0.117
	HCHC ppb w.wt +.+.+.+.+	<<0.117
	HC 22 ppb w.wt +.+.+.+.+	<<0.167
	HCB ppb w.wt +.+.+.+.+	<<0.100
	OCB ppb w.wt +.+.+.+.+	<<0.100
	OCS ppb w.wt +.+.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+.+	2.200
	NAP2M ppb w.wt +.+.+.+.+	2.750
	NAP1M ppb w.wt +.+.+.+.+	2.950
	BIPN ppb w.wt +.+.+.+.+	0.750
	NAPDI ppb w.wt +.+.+.+.+	1.100
	NAPTM ppb w.wt +.+.+.+.+	<<0.200
	ACNLE ppb w.wt +.+.+.+.+	<<0.200
	ACNE ppb w.wt +.+.+.+.+	<<0.200
	FLE ppb w.wt +.+.+.+.+	0.400
	PA ppb w.wt +.+.+.+.+	2.800
	ANT ppb w.wt +.+.+.+.+	<<0.200
	PAM1 ppb w.wt +.+.+.+.+	0.550
	FLU ppb w.wt +.+.+.+.+	3.700
	PYR ppb w.wt +.+.+.+.+	0.450
	BAA ppb w.wt +.+.+.+.+	0.350
	BBF ppb w.wt +.+.+.+.+	1.100
	BJKF ppb w.wt +.+.+.+.+	<<0.200
	BEP ppb w.wt +.+.+.+.+	0.750
	BAP ppb w.wt +.+.+.+.?	<<0.200
	PER ppb w.wt +.+.+.+.+	<<0.200
	ICDP ppb w.wt +.+.+.+.+	0.200
	DBA3A ppb w.wt +.+.+.+.+	<<0.200
	BGHIP ppb w.wt +.+.+.+.+	0.200

Tab.length cont'd **MYTI EDU, SB, J99, 96A Breiviken** .

Date	920827	
Param (w,d,l): No.Fo.Ri.		Mean
COR	ppb w.wt	<<0.200
DBP	ppb w.wt	<<0.200
DI Σ26	ppb w.wt	<<9.950
P Σ20	ppb w.wt	<<11.500
PK Σ17	ppb w.wt	<<1.550
PAH ΣΣ	ppb w.wt ?	<<21.250

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **95A Flatskjær**, Latitude: 66°42.60N, Longitude: 13°15.80E.

Date	920827	
Param (w,d,l): No.Fo.Ri.		Mean
Count	Min:Max	3:3
No of Shell		20.000
Length.min	mm	40.000
Length.max	mm	49.000
Length.mean	mm	44.000
Shell wght	g	4.800
Tissue wght	g	3.167
Dry %		18.667
Cd	ppm w.wt +.+.+.+.+	0.227
Cu	ppm w.wt +.+.+.+.+	1.453
Hg	ppm w.wt +.+.+.+.+	0.014
Pb	ppm w.wt +.+.+.+.+	0.193
Zn	ppm w.wt +.+.+.+.+	17.800

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **97A Klakholmen**, Latitude: 67°39.90N, Longitude: 14°44.60E.

Date	920826	
Param (w,d,l): No.Fo.Ri.		Mean
Count	Min:Max	3:3
No of Shell		20.000
Length.min	mm	41.000
Length.max	mm	49.000
Length.mean	mm	45.000
Shell wght	g	3.433
Tissue wght	g	2.800
Dry %		18.300
Cd	ppm w.wt +.+.+.+.+	0.243
Cu	ppm w.wt +.+.+.+.+	1.493
Hg	ppm w.wt +.+.+.+.+	0.014
Pb	ppm w.wt +.+.+.+.+	0.253
Zn	ppm w.wt +.+.+.+.+	17.100

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: J99 Undefined, Tissue : Whole SOFT BODY.
 Locality : 98A Skrova, Latitude: 68°09.40N, Longitude: 14°39.30E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
	Count Min:Max	2:3
	No of Shell	20.000
	Length.min mm	41.333
	Length.max mm	50.667
	Length.mean mm	46.000
	Shell wght g	5.867
	Tissue wght g	3.867
	Dry %	16.933
	Fat %	1.700
	Cd ppm w.wt +.+.+.+.+	0.187
	Cu ppm w.wt +.+.+.+.+	1.523
	Hg ppm w.wt +.+.+.+.+	0.015
	Pb ppm w.wt +.+.+.+.+	0.307
	Zn ppm w.wt +.+.+.+.+	19.233
	CB28 ppb w.wt +.+.+.+.+	<<0.100
	CB52 ppb w.wt +.+.+.+.+	<<0.100
	CB101 ppb w.wt +.+.+.+.+	0.350
	CB105 ppb w.wt +.+.+.+.+	0.150
	CB118 ppb w.wt +.+.+.+.+	0.500
	CB138 ppb w.wt +.+.+.+.+	1.050
	CB153 ppb w.wt +.+.+.+.+	1.300
	CB156 ppb w.wt +.+.+.+.+	<<0.100
	CB180 ppb w.wt +.+.+.+.+	<<0.100
	CB209 ppb w.wt +.+.+.+.+	<<0.100
	CB-27 ppb w.wt +.+.+.+.+	<<3.300
	CB-28 ppb w.wt +.+.+.+.+	<<3.450
	DDEPP ppb w.wt +.+.+.+.+	0.950
	TDEPP ppb w.wt +.+.+.+.+	1.100
	DD-24 ppb w.wt +.+.+.+.+	<<0.100
	HCHA ppb w.wt +.+.+.+.+	<<0.100
	HCHG ppb w.wt +.+.+.+.+	<<0.100
	HC-22 ppb w.wt +.+.+.+.+	<<0.100
	HCB ppb w.wt +.+.+.+.+	<<0.100
	OCB ppb w.wt +.+.+.+.+	<<0.100
	OCS ppb w.wt +.+.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+.+	4.500
	NAP2M ppb w.wt +.+.+.+.+	4.450
	NAP1M ppb w.wt +.+.+.+.+	4.400
	BIPN ppb w.wt +.+.+.+.+	<<0.500
	NAPDI ppb w.wt +.+.+.+.+	<<0.650
	NAP1M ppb w.wt +.+.+.+.+	<<0.750
	ACNLE ppb w.wt +.+.+.+.+	<<0.250
	ACNE ppb w.wt +.+.+.+.+	<<0.600
	FLE ppb w.wt +.+.+.+.+	<<0.300
	PA ppb w.wt +.+.+.+.+	1.700
	ANT ppb w.wt +.+.+.+.+	<<0.200
	PAM1 ppb w.wt +.+.+.+.+	0.750
	FLU ppb w.wt +.+.+.+.+	2.250
	PYR ppb w.wt +.+.+.+.+	0.600
	BAA ppb w.wt +.+.+.+.+	0.600
	CHR ppb w.wt +.+.+.+.+	1.000
	BBF ppb w.wt +.+.+.+.+	0.700
	BJKF ppb w.wt +.+.+.+.+	0.250
	BEP ppb w.wt +.+.+.+.+	0.800
	BAP ppb w.wt ?	<<0.200
	PER ppb w.wt +.+.+.+.+	<<0.200
	ICDP ppb w.wt +.+.+.+.+	<<0.200
	DBA3A ppb w.wt +.+.+.+.+	<<0.200
	BGHIP ppb w.wt +.+.+.+.+	<<0.200

Tab. length cont'd **MYTI EDU, SB, J99, 98A Skrova .**

Date	920825	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	<<15.050	
P_Σ20 ppb w.wt	<<9.600	
PK_Σ7 ppb w.wt	<<1.850	
PAHΣΣ ppb w.wt ?.....	<<24.550	

Species : **MYTI EDU**, Mytilus edulis, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J99 Undefined**, Tissue : **Whole SOFT BODY**.
 Locality : **99A Brunvær**, Latitude: 68°00.30N, Longitude: 15°05.60E.

Date	Param (w,d,l): No.Fo.Ri.	Mean
920826	Count Min:Max	2:6
	No of Shell	42.333
	Length.min mm	35.667
	Length.max mm	44.000
	Length.mean mm	39.500
	Shell wght g	3.183
	Tissue wght g	2.123
	Dry %	16.700
	Fat %	1.367
	Cd ppm w.wt +.+.+.+	0.233
	Cu ppm w.wt +.+.+.+	1.700
	Hg ppm w.wt +.+.+.+	0.015
	Pb ppm w.wt +.+.+.+	0.218
	Zn ppm w.wt +.+.+.+	17.517
	CB28 ppb w.wt +.+.+.+	<<0.100
	CB52 ppb w.wt +.+.+.+	<<0.100
	CB101 ppb w.wt +.+.+.+	<<0.100
	CB105 ppb w.wt +.+.+.+	<<0.100
	CB118 ppb w.wt +.+.+.+	<0.100
	CB138 ppb w.wt +.+.+.+	0.133
	CB153 ppb w.wt +.+.+.+	0.117
	CB156 ppb w.wt +.+.+.+	<<0.100
	CB180 ppb w.wt +.+.+.+	<<0.100
	CB209 ppb w.wt +.+.+.+	<<0.100
	CB27 ppb w.wt +.+.+.+	<<0.483
	CB28 ppb w.wt +.+.+.+	<<0.483
	DDEPP ppb w.wt +.+.+.+	0.100
	DEPP ppb w.wt +.+.+.+	<<0.100
	DD24 ppb w.wt +.+.+.+	<<0.200
	HCHA ppb w.wt +.+.+.+	<<0.100
	HCHG ppb w.wt +.+.+.+	<<0.100
	HC22 ppb w.wt +.+.+.+	<<0.133
	HCB ppb w.wt +.+.+.+	<<0.100
	OCB ppb w.wt +.+.+.+	<<0.100
	OCS ppb w.wt +.+.+.+	<<0.100
	NAP ppb w.wt +.+.+.+	4.500
	NAP2M ppb w.wt +.+.+.+	6.000
	NAP1M ppb w.wt +.+.+.+	6.150
	BIPN ppb w.wt +.+.+.+	1.300
	NAPDI ppb w.wt +.+.+.+	1.550
	NAP1M ppb w.wt +.+.+.+	1.300
	ACNLE ppb w.wt +.+.+.+	<<0.200
	ACNE ppb w.wt +.+.+.+	<<0.200
	FLE ppb w.wt +.+.+.+	<<0.350
	PA ppb w.wt +.+.+.+	1.350
	ANT ppb w.wt +.+.+.+	<<0.200
	PAM1 ppb w.wt +.+.+.+	0.600
	FLU ppb w.wt +.+.+.+	0.900
	PYR ppb w.wt +.+.+.+	0.300
	BAA ppb w.wt +.+.+.+	<<0.250
	CHR ppb w.wt +.+.+.+	0.500
	BBF ppb w.wt +.+.+.+	0.350
	BJKF ppb w.wt +.+.+.+	<<0.200
	BEP ppb w.wt +.+.+.+	0.300
	BAP ppb w.wt +.+.+.+	<<0.200
	PER ppb w.wt +.+.+.+	<<0.200
	ICDP ppb w.wt +.+.+.+	<<0.200
	DBA3A ppb w.wt +.+.+.+	<<0.200
	BGHP ppb w.wt +.+.+.+	0.250

Tab.length cont'd MYTI EDU, SB, J99, 99A Brunvør .

Date	920826	
Param (w,d,l): No.Fo.Ri.	Mean	
COR ppb w.wt	<<0.200	
DBP ppb w.wt	<<0.200	
DI_Σ6 ppb w.wt	20.800	
P_Σ20 ppb w.wt	<<5.150	
PK_Σ7 ppb w.wt	<<0.700	
PAHΣΣ ppb w.wt ?.....	<<25.950	

Species : **PAND BOR**, *Pandalus borealis*, GB: Prawin, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **40C Steilene**, Latitude: 59°49.00N, Longitude: 10°33.00E.

Date	841210		921220		Mean	
	Param	(w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean
Count	100.000	1:1	100.000	2:2	100.000	100.000
No of Shell	0.880		0.880	1.955	1.418	1.418
Tissue wght g	26.900		26.900	21.300	24.100	24.100
Dry %	2.290		2.290	0.300	1.295	1.295
Fat %	0.049		0.049	0.016	0.032	0.032
Cd	11.200		11.200	7.040	9.120	9.120
Cu	0.094		0.094	0.172	0.133	0.133
Hg	0.720		0.720		0.720	0.720
Mn	s<0.060		s<0.060	<<0.050	<<0.050	<<0.050
Pb	12.900		12.900	10.550	11.725	11.725
Zn	160.000		160.000		160.000	160.000
PCB						
CB28				<<0.100	<<0.100	<<0.100
CB52				<<0.100	<<0.100	<<0.100
CB101				0.500	0.500	0.500
CB105				0.350	0.350	0.350
CB118				0.850	0.850	0.850
CB138				1.050	1.050	1.050
CB153				1.100	1.100	1.100
CB156				<<0.100	<<0.100	<<0.100
CB180				0.300	0.300	0.300
CB209				<<0.100	<<0.100	<<0.100
CB 27				<<3.950	<<3.950	<<3.950
CB 28				<<4.400	<<4.400	<<4.400
DDEPP				0.150	0.150	0.150
DDTEP				3.000	3.000	3.000
TDEPP				<<0.100	<<0.100	<<0.100
DD 24				<<0.250	<<0.250	<<0.250
HCHA				<<0.100	<<0.100	<<0.100
HCHG				<<0.100	<<0.100	<<0.100
HC 22				<<0.100	<<0.100	<<0.100
HCB				<<0.100	<<0.100	<<0.100
QCB				<<0.100	<<0.100	<<0.100
OCS				5.250	5.250	5.250
NAP				2.200	2.200	2.200
MAP2M				1.650	1.650	1.650
NAP1M				0.750	0.750	0.750
BIPN				0.350	0.350	0.350
NAPDI				<<0.200	<<0.200	<<0.200
NAP1M				<<0.200	<<0.200	<<0.200
ACNLE				<<0.200	<<0.200	<<0.200
ACNE				<<0.200	<<0.200	<<0.200
FLE				<<0.200	<<0.200	<<0.200
PA				0.500	0.500	0.500
ANT				<<0.200	<<0.200	<<0.200
PAM1				<<0.200	<<0.200	<<0.200
FLU				0.400	0.400	0.400
PYR				0.800	0.800	0.800
BAA				<<0.200	<<0.200	<<0.200
CHR				0.500	0.500	0.500
BBF				<<0.200	<<0.200	<<0.200
BJKF				<<0.200	<<0.200	<<0.200
BEP				0.400	0.400	0.400
BAP				<<0.200	<<0.200	<<0.200
PER				<<0.200	<<0.200	<<0.200
ICDP				<<0.200	<<0.200	<<0.200
DBA3A				<<0.200	<<0.200	<<0.200
BGHP				<<0.200	<<0.200	<<0.200
COR				<<0.200	<<0.200	<<0.200

Tab.length cont'd **PAND BOR, TM, J26, 40C Steilene .**

Date	841210	921220	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean
DBP ppb w.wt	.	<<0.200	<<0.200	<<0.200
DI Σ6 ppb w.wt	.	<<10.400	<<10.400	<<10.400
P Σ20 ppb w.wt	.	<<2.900	<<2.900	<<2.900
PK Σ7 ppb w.wt	.	<<0.300	<<0.300	<<0.300
PAHΣΣ ppb w.wt	.	<<13.100	<<13.100	<<13.100

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

Species : **PAND BOR**, *Pandalus borealis*, GB: Prawns, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **31C Solbergstrand**, Latitude: 59°36.90N, Longitude: 10°39.40E.

Date	841210	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean
Count Min:Max	1:1	
No of Shell	93.000	
Tissue wght g	1.090	
Dry %	24.900	
Fat %	1.700	
Cd ppm w.wt	0.052c	
Cu ppm w.wt	12.200	
Hg ppm w.wt	0.096	
Mn ppm w.wt	1.980	
Pb ppm w.wt	s<0.060	
Zn ppm w.wt	14.800	
PCB ppb w.wt	70.000	
DDTEP ppb w.wt	1.000	
DD Σ4 ppb w.wt	1.000	
HCb ppb w.wt	1.000	

s/q(1) ! Suspect value(s)
 c/c(1) > Exceeds FOOD limit.

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.

Date	861124
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	100.000
Length.min mm	60.000
Length.max mm	110.000
Length.mean mm	85.000
Tissue wght g	1.800
Dry %	25.600
Fat %	2.700
Cd ppm w.wt	0.067c
Cu ppm w.wt	s15.181
Hg ppm w.wt	0.102
Pb ppm w.wt	0.325
Zn ppm w.wt	13.312
PCB ppb w.wt	17.000
DDTEP ppb w.wt	0.550
DD Σ 4 ppb w.wt	0.550
HCHG ppb w.wt	<3.000
HC Σ 2 ppb w.wt	<3.000
HCB ppb w.wt	0.250
EPOCL ppb w.wt	460.000

s/q(1) ! Suspect value(s)
 c/C(1) > Exceeds FOOD limit.

Species : **PAND BOR**, *Pandalus borealis*, GB: PrawN, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **TAIL MUSCLE**.
 Locality : **35C Homlestrend-Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.

Date	821008		881117		901112	
	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	1:1	1:1	1:1	2:2		
No of Shell	100.000	100.000	100.000	100.000		100.000
Length.min mm	80.000	.	.	.		80.000
Length.max mm	120.000	.	.	.		120.000
Length.mean mm	100.000	.	.	.		100.000
Shell wght g	.	4.200	.	.		4.200
Tissue wght g	.	3.470	.	3.340		3.405
Dry %	0.900	28.600	24.950	26.775		26.775
Fat %	0.011	1.710	0.795	1.135		1.135
Cd ppm w.wt	.	0.054c	<<0.010	<<0.025		<<0.025
Cu ppm w.wt	.	19.162	13.000	16.081		16.081
Hg ppm w.wt	0.110	0.132	0.145	0.129		0.129
Pb ppm w.wt	.	0.275	0.220	0.247		0.247
Zn ppm w.wt	.	16.960	15.850	16.405		16.405
PCB ppb w.wt	19.000	27.000	12.050	19.350		19.350
CB28 ppb w.wt	.	<<0.100	<<0.200	<<0.150		<<0.150
CB52 ppb w.wt	.	<<0.100	<<0.400	<<0.250		<<0.250
CB101 ppb w.wt	.	0.500	0.550	0.515		0.515
CB118 ppb w.wt	.	.	0.660	0.660		0.660
CB138 ppb w.wt	.	6.200	1.050	3.625		3.625
CB153 ppb w.wt	.	6.700	1.600	4.150		4.150
CB180 ppb w.wt	.	1.100	0.890	0.995		0.995
CB-Σ7 ppb w.wt	.	<14.600	<<5.130	<<9.865		<<9.865
CB-Σ2 ppb w.wt	.	<14.600	<<5.130	<<9.865		<<9.865
DDTEP ppb w.wt	.	1.400	0.225	0.813		0.813
DD-Σ4 ppb w.wt	.	1.400	0.225	0.813		0.813
HCHG ppb w.wt	.	.	<<0.100	<<0.100		<<0.100
HC-Σ2 ppb w.wt	.	.	<<0.100	<<0.100		<<0.100
HCB ppb w.wt	.	<0.200	0.170	<<0.185		<<0.185
EPoCL ppb w.wt	.	490.000	1900.000	1195.000		1195.000

c/c(1) > Exceeds FOOD limit.

Species : **PAND BOR**, *Pandalus borealis*, GB: Pramd, N: Reker.
 Sample.area: **J99 Undefined**, Tissue : **TAIL MUSCLE**.
 Locality : **77C Borøy area**, Latitude: 58°29.00N, Longitude: 09°10.00E.

Date	901104
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:2
No of Shell	100.000
Tissue wght g	2.145
Dry %	28.350
Fat %	0.990
Cd ppm w.wt	0.010
Cu ppm w.wt	10.150
Hg ppm w.wt	0.050
Pb ppm w.wt	0.235
Zn ppm w.wt	16.050
PCB	7.300
CB28	<<0.200
CB52	<<0.400
CB101	0.340
CB118	0.495
CB138	0.770
CB153	1.200
CB180	2.000
CB 27	<<5.205
CB 28	<<5.205
DDTEP	0.210
DD 24	0.210
HCHG	<<0.105
HC 22	<<0.105
HCB	0.190
EPOCL	720.000

Species : **PAND BOR**, *Pandalus borealis*, GB: Prawin, N: Reker.
 Sample.area: **J99 Undefined**, Tissue : **TAIL MUSCLE**.
 Locality : **22C Bømløfjord**, Latitude: 59°34.00N, Longitude: 05°11.00E.

Date	901022
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	2:2
No of Shell	100.000
Tissue wght g	3.250
Dry %	31.700
Fat %	3.340
Cd ppm w.wt	0.025
Cu ppm w.wt	18.650
Hg ppm w.wt	0.170
Pb ppm w.wt	0.330
Zn ppm w.wt	20.550
PCB ppb w.wt	18.000
CB28 ppb w.wt	0.135
CB52 ppb w.wt	0.200
CB101 ppb w.wt	0.655
CB118 ppb w.wt	0.760
CB138 ppb w.wt	1.650
CB153 ppb w.wt	2.850
CB180 ppb w.wt	1.150
CB 27 ppb w.wt	7.400
CB 28 ppb w.wt	7.400
DDTEP ppb w.wt	0.445
DD 24 ppb w.wt	0.445
HCHG ppb w.wt	<<0.155
HC 22 ppb w.wt	<<0.155
ECB ppb w.wt	0.305
EPOCL ppb w.wt	7050.000

Species : **PAND BOR**, *Pandalus borealis*, GB: Prawin, N: Reker.
 Sample.area: **J26 Oslofjorden**, Tissue : **OTHER TISSUE (see comments)**.
 Locality : **35C Homlstrand-Mølen**, Latitude: 59°29.20N, Longitude: 10°30.10E.

Date	881117
Param (w,d,l): No.Fo.Ri.	Mean
Count Min:Max	1:1
No of Shell	100.000
Shell wght g	4.200
Tissue wght g	0.960
Dry %	39.200
Fat %	6.000
Cd ppm w.wt	0.020
Cu ppm w.wt	12.936
Hg ppm w.wt	0.059
Pb ppm w.wt	0.412
Zn ppm w.wt	45.080
PCB ppb w.wt	110.000
CB28 ppb w.wt	<0.100
CB52 ppb w.wt	<0.100
CB101 ppb w.wt	0.600
CB138 ppb w.wt	16.900
CB153 ppb w.wt	<0.100
CB180 ppb w.wt	<0.100
CB 27 ppb w.wt	<17.600
CB 28 ppb w.wt	<17.600
DDTEP ppb w.wt	8.900
DD 24 ppb w.wt	8.900
HCB ppb w.wt	<0.200
EPOCL ppb w.wt	4100.000



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ISBN-82-577-2657-5