



Norwegian State Pollution Monitoring Programme

Report 584/94

Client State Pollution Control Authority

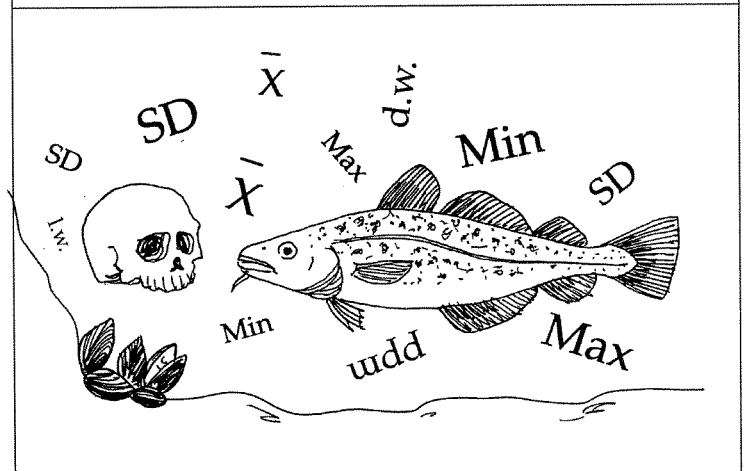
Contractor NIVA

Summary statistics for contaminants in shellfish and fish 1981-92




The Joint Monitoring Programme (JMP)

Norwegian Biota Data



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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.

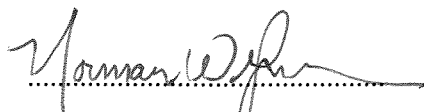
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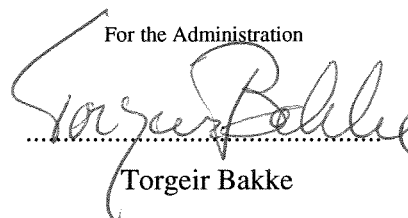
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For the Administration



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**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*

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1. Background and aims

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

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

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

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

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

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

2. Sampling

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

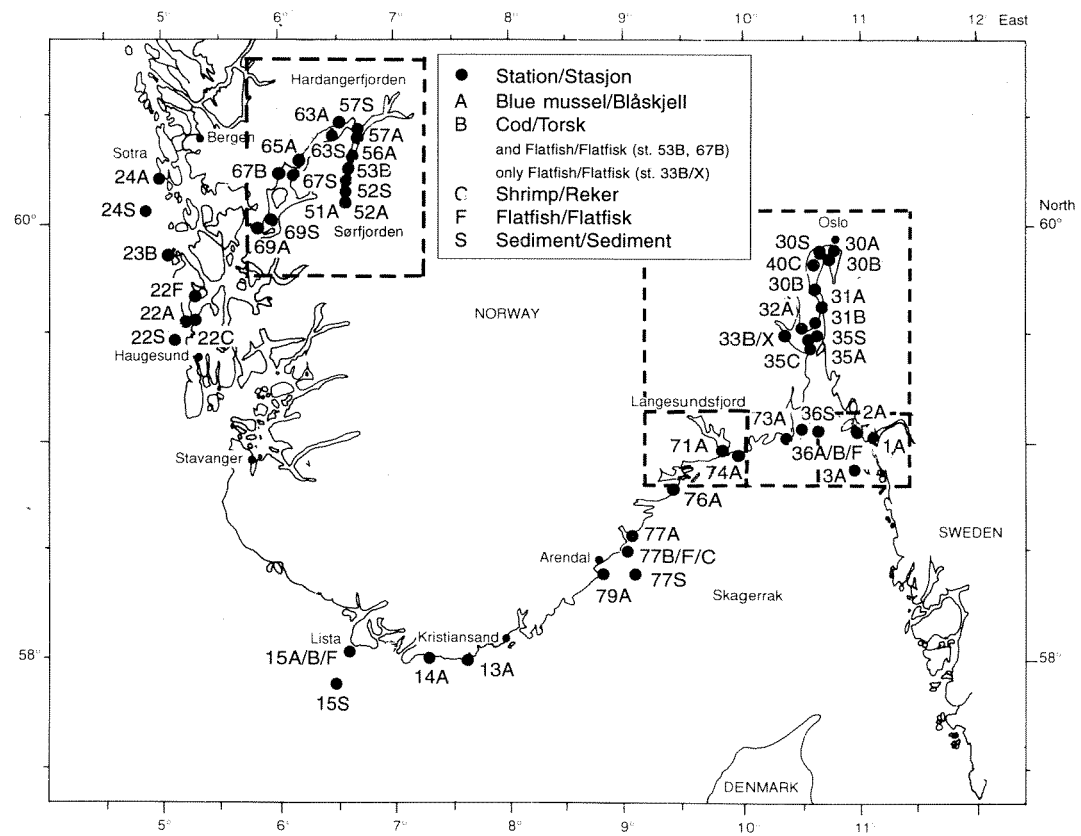
The sampling of biota has followed the ICES guidelines (ICES 1986, 1992) as closely as possible. For historical reason three size-groups of **mussels** (*Mytilus edulis*) have been sampled from most of the stations. The size classes were: 2-3, 3-4 and, 4-5cm. Fifty individuals were collected for each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

To clean the intestinal canal (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).

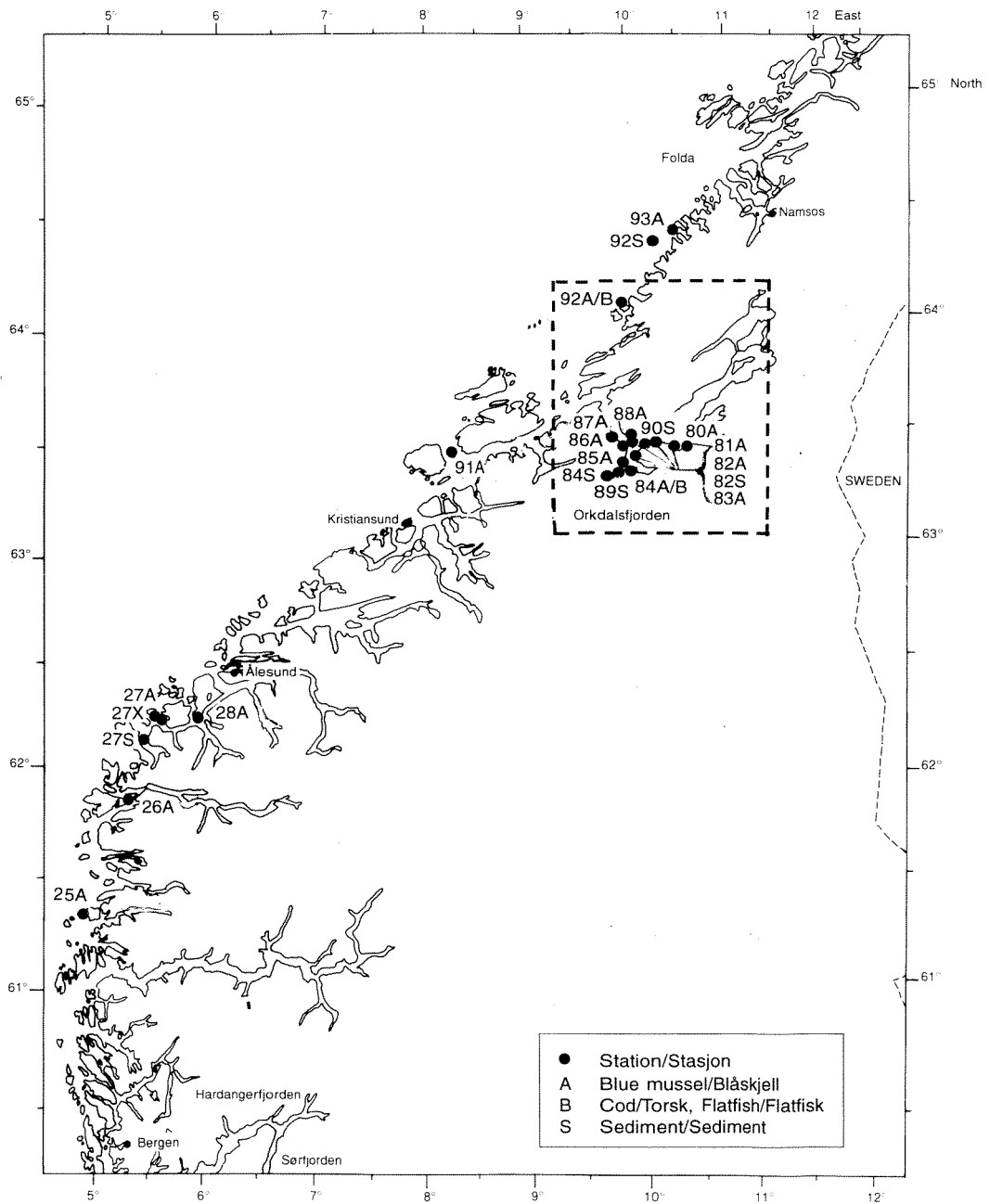
Routinely, **cod** (*Gadus morhua*) and one flatfish species was sampled. An attempt was made to collect the same species at each station each sampling year. The order of preference for flatfish species was: **dab** (*Limanda limanda*), **flounder** (*Platichthys flesus*) and **plaice** (*Pleuronectes 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

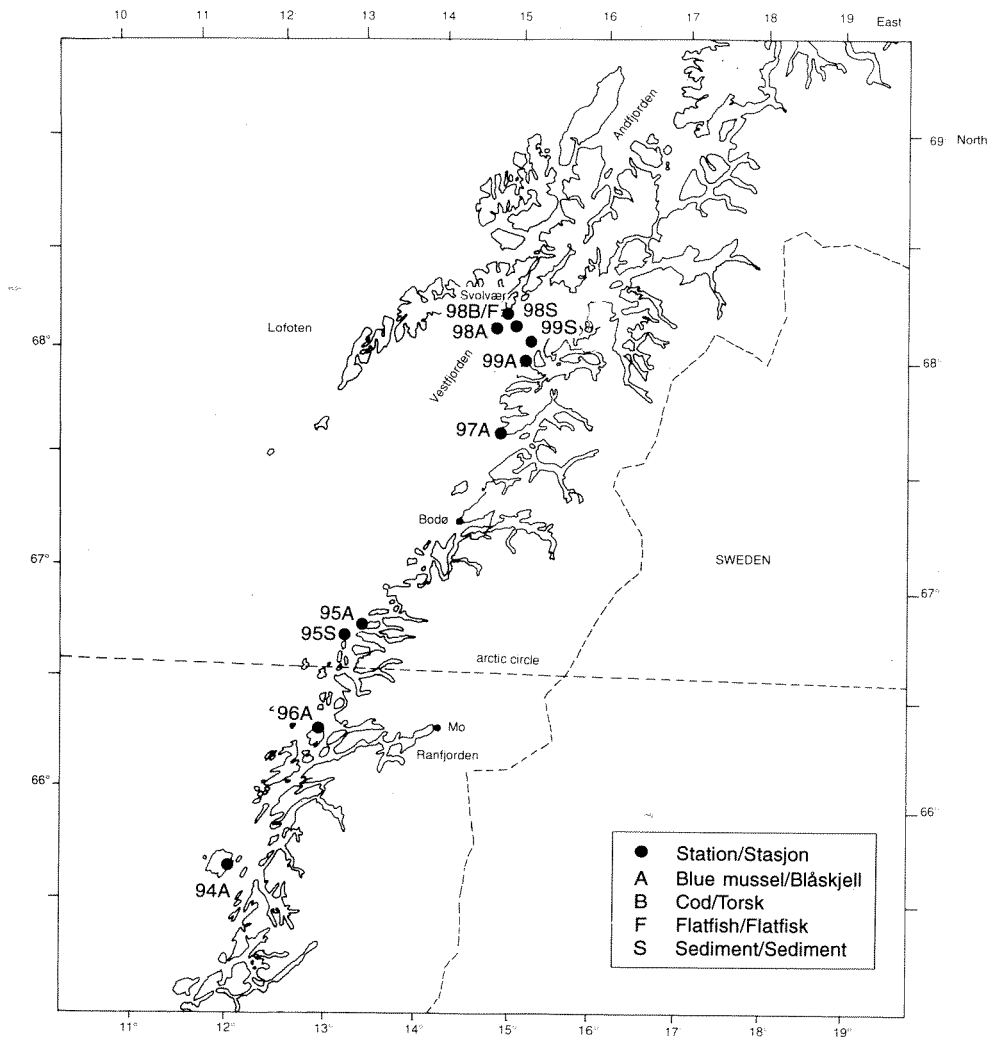
Two samples of 100 individuals of **Shrimp** (*Pandalus borealis*) were collected as supplementary data to assess possible health risk to the consumption of marin organisms.



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.

SHELL-FISH limits in PPM for PAND BOR (Pandalus borealis, GB: Prawn, N: Reker).
Tissue : TAIL MUSCLE. (Rf = literature reference, see appendix).

Limit Level=>	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
Basis =====>									
Param.									
Cd	-	-	-	0.0500 k	-	-	21.0000 ma	-	-
Cr	-	-	-	-	-	-	-	-	-
Cu	-	-	-	-	-	-	-	-	-
Hg	-	-	-	0.3000 ha	-	-	22.0000 m	-	-
Mn	-	-	-	-	-	-	-	-	-
Ni	-	-	-	-	-	-	-	-	-
Pb	-	-	-	0.5000 hd	-	-	215.0000 ma	-	-
Se	-	-	-	-	-	-	-	-	-
Zn	-	-	-	-	-	-	-	-	-
PCB	-	-	-	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	-	-	-	1.0000 hj	-	-	-	-	-
CB_ΣΣ	-	-	-	1.0000 hj	-	-	-	-	-
DDEPP	-	-	-	0.5000 jc	-	-	-	-	-
DDTTP	-	-	-	0.5000 jc	-	-	-	-	-
DDTEP	-	-	-	0.5000 jc	-	-	-	-	-
TDEPP	-	-	-	0.5000 jc	-	-	-	-	-
DD_Σ4	-	-	-	0.5000 jc	-	-	-	-	-
HCHA	-	-	-	0.0500 ja	-	-	-	-	-
HCHG	-	-	-	0.0500 ja	-	-	-	-	-
HC_Σ2	-	-	-	0.0500 c	-	-	-	-	-
HCB	-	-	-	0.0500 ja	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-

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 **PPM** for **PLAT FLE** (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.	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	?0.0200 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	-	-	-	-	-
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	?0.0005 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	-	-	-	-	-	-	-	-
DDTPP	?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 **S A L M T R U** (Salmo trutta, GB: Sea trout, N: Sjøørret).
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	?0.2000 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** Danish 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.

Additional references:

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- Juhlshamn, K., 1981. Studies on major and minor elements in molluscs in Western Norway.I. Geographical variations in contents of 10 elements in Oyster (*Ostrea edulis*) , common mussel (*Mytilus edulis*) and brown seaweed (*Ascophyllum nodosum*) from other oyster farms. Fisk Dir. Skr. Serc. Ernæring 1 (15):161-182.
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- Knutzen, J., 1989. PAH i det akvatiske miljø -opptak/utskillelse, effekter og bakgrunnsnivåer.[PAH in the aquatic environment - uptake and release, effect and background levels.] Norwegian Institute for Water Research Project O-87189/E-88445. Report no. 2205. ISBN 82-577-1497-6. 107 pp..
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- Knutzen, J. og Berglind, L. 1992b. PAH i blåskejll fra omgivelsene av Elkem Fiskaa, Kristiansand, 1991-1992. [PAH in blue mussel from the Elkem Fiskaa, Kristiansand area, 1991-1992.] Norwegian Institute for Water Research Project O-91149. Report no. 2823. ISBN 82-577-2224-3. 17 pp.
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- Konieczny, R., Knutzen, J., 1992. Overvåking av PAH i muslinger, snegl og fisk fra Sundalsfjorden 1991-1992. [Monitoring of PAH in mussels, snails and fish from Sundalsfjord 1991-1992.] Report 504/92 in the Norwegian State Pollution Monitoring Programme Norwegian Institute for Water Research Project O-91086. Report no. 2818. ISBN 82-577-2214-6. 28 pp..

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- Olafsson, J., 1986 Trace metals in mussels (*Mytilus edulis*) from Southwest Iceland. *Mar. Biol.* 90:223-229.
- Varanasi, U., Chan, S.-L., MacLeod et al., 1990. Survey of subsistence fish and shellfish for exposure to oil spilled from Exxon Valdez. - First year : 1989 NOAA Technical Memorandum NMFS F/NWC-191. National Oceanic and Atmospheric Administration, Seattle.

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											Mean
Count	29:29	25:25	25:25	25:25	25:25	25:25	25:25	22:24	18:18	24.667	
Age	1.391	2.040	1.190	1.960	4.640	3.280	3.760	2.917	3.611	2.754	
Wght	897.207	396.320	588.200	717.240	1140.120	1530.560	1715.880	1563.000	1125.683	1074.912	
Length	445.517	350.000	397.600	434.400	484.200	528.400	536.800	530.833	463.611	463.485	
Tissue	52.220	8.803	23.416	15.628	41.188	83.108	60.472	43.951	20.061	38.761	
wt g	66.606	48.696	53.971	68.044	86.868	86.436	58.600	45.794	61.947	61.947	
Dry	67.296	32.463	57.660	36.160	56.792	61.636	51.812	47.822	49.380	49.380	
%	<0.017	<0.092	0.102e	<0.097	<0.027	<0.026	0.049	<0.042	0.128e	<0.064	
ppm w.wt			7.365	31.813a	8.595	4.028	5.450	6.656	10.984	10.556	
ppm w.wt			0.415a	<0.240a	0.579a	<0.198a	0.328a	<0.143a	0.328a	<0.308a	
ppm w.wt			15.495	67.789a	28.055	<13.382	17.752	22.517	33.072a	<28.295	
Zn			2.216a	<2.337a	9.478e	6.770e	17.783			<5.370e	
PCB		5.652e								<<12.374	
CB28						s575.600	10.840			<<8.500	
CB52						s646.400c	26.440			<<37.889	
CB101						s815.200	72.120			<<55.675	
CB105										195.365	
CB118						s694.800	269.880			156.056	
CB138						s1468.000	326.560			484.185	
CB153						s1455.200	424.160			719.546	
CB156										888.392	
CB180						s408.000	174.560			55.833	
CB209							8.080			326.623	
CB 27							435.087			<<7.307	
CB 22							<<7.174			<<2681.976e	
DDEPP						s<6063.200e	1304.560a			<<2759.634e	
DDIPP						s<6063.200e	1312.640a			<<516.209e	
DEPP	558.621e	534.800e	402.000a	<378.000a	<639.600e	1286.400e	164.720	476.348a		<<197.700	
DEPP			<110.800	<189.600	<231.200a	<259.200a				40.444	
HCHA			<512.800e	<562.800e	<870.800e	<1545.600e	164.720	476.348a		<<608.036e	
HCHG							30.600	<<6.304		<<13.968	
HCB			173.600e	<<70.800e	<<54.400e	<197.600e	3.240	13.652		<<74.073e	
qCB			173.600e	<<70.800e	<<54.400e	<197.600e	33.840	<<19.957		<<79.465e	
OCS			72.800e	<<42.000a	<<46.800a	<60.000e	10.600	18.043		<<48.222a	
EPOCL							<2.560	<<4.955		<<4.172	
Count			<5.076	<<5.360	12.287	9.780	8.280	<15.043		<<9.997	
Age							68.136			<<20.128	
Wght									3.667	3.667	
Length									1235.700	1235.700	
Tissue									481.000	481.000	
Dry									23.853	23.853	
%									46.967	46.967	
ppb w.wt									6.733	6.733	
NAP									<<0.200	<<0.200	
NAP2M									2.933	2.933	
NAP1M									2.033	2.033	
B1PN									0.667	0.667	
NAPDI									0.500	0.500	
NAP1M									1.433	1.433	
ACNLE									2.533	2.533	
ACNE									1.867	1.867	
FLE									<<0.500	<<0.500	
PA									<<0.500	<<0.500	
ANT									2.600	2.600	
PAM1									0.567	0.567	
FLU									3.400	3.400	
PYR									1.100	1.100	
BAA									<<0.200	<<0.200	
CHR									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)		
Param. (w,d,l) : No.Fo.Ri.		
		Mean
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)				
Param. (w,d,l) : No.Fo.Ri.				
I	Count	Min:Max	Mean	Mean
	Age	5:10	26:27	.
	Wght	1.800	2.423	2.112
	Length	956.500	1315.630	1136.065
	Tissue wght	440.000	519.231	479.615
	Dry %	26.520	21.778	24.149
	Fat %	52.640	55.885	54.262
	Cd ppm w.wt	38.967	47.481	43.224
	Hg ppm w.wt	0.115e	0.051	0.083
	Se ppm w.wt	<0.038	<0.062	<<0.050
	PCB ppm w.wt	.	1.470	1.470
	DDEPP ppb w.wt	3.960a	4.220a	4.090a
	DD Σ4 ppb w.wt	.	390.000a	390.000a
		.	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(L/B/H) Param. (w,d,l): No.Fo.Ri.	811229	821200	831201	841214	851216	870204	880105	881213	891201	901105	911201	921215	Mean
	10.000	27.000	23.000	24.000	14.000	25.000	25.000	25.000	25.000	24.000	25.000	25.000	Mean
Catch, Date ==>	10:10	20:27	23:23	24:24	14:14	25:25	24:25	25:25	21:25	24:24	25:25	22:25	Mean
Count	2.000	2.481	2.565	2.542	1.783	1.960	1.960	3.200	1.720	2.417	2.880	3.160	Mean
Age	1228.000	1561.481	1579.783	1467.792	1724.500	1388.680	739.400	1470.240	1205.800	1326.750	1384.000	1378.796	Mean
Wght g	511.000	532.222	510.435	506.667	555.714	491.200	432.600	525.600	481.800	510.417	501.600	504.600	Mean
Length mm	22.800	26.003	26.003	36.186	36.186	19.132	14.683	29.616	27.320	32.867	54.736	38.824	Mean
Tissue wght g	51.870	42.950	34.595	39.721	41.864	49.014	43.328	46.904	48.636	51.517	64.312	48.440	Mean
Dry %	36.500	34.731	18.700	29.595	29.126	20.780	22.325	32.552	32.755	39.871	58.480	36.388	Mean
Fat %	0.098	0.083	0.218e	0.087	0.068	0.222e	<0.070	<0.054	<0.039	0.030	<0.014	0.026	Mean
Cd	0.073	<0.096	.	.	.	15.853	19.295	11.323	12.988	12.563	9.317	10.497	Mean
Hg	.	.	.	.	.	0.398a	<0.175a	<0.094	0.170a	0.120a	<0.058	<0.034	Mean
Pb	.	1.604	.	.	.	.	63.452a	35.797a	35.604a	32.775a	22.804	27.092	Mean
Se	.	.	.	.	.	1.140a	<0.746	2.888a	2.447a	.	.	.	Mean
Zn	2.690a	2.632a	1.882a	1.839a	2.957a	51.370a	63.452a	35.797a	35.604a	32.775a	22.804	27.092	Mean
PCB	.	.	.	.	.	.	.	.	.	.	.	.	Mean
CB28	.	.	.	.	.	.	.	.	s<180.417	9.679	11.080	<<5.600	Mean
CB52	.	.	.	.	.	.	.	.	s494.583	<15.821	16.800	<<5.160	Mean
CB101	.	.	.	.	.	.	.	.	s<145.417	34.929	31.280	32.440	Mean
CB105	.	.	.	.	.	.	.	.	.	30.120	29.920	29.440	Mean
CB118	.	.	.	.	.	.	.	.	s<134.167	140.829	72.200	78.680	Mean
CB138	.	.	.	.	.	.	.	.	s429.583	162.179	83.880	103.480	Mean
CB153	.	.	.	.	.	.	.	.	s527.083	235.000	133.800	167.600	Mean
CB156	.	.	.	.	.	.	.	.	.	.	<8.240	<<9.020	Mean
CB180	.	.	.	.	.	.	.	.	s<113.750	57.254	23.600	29.600	Mean
CB209	.	.	.	.	.	.	.	.	.	<16.275	<5.000	<<5.000	Mean
CB-Σ7	.	.	.	.	.	.	.	.	s<<2k020e	<655.692a	372.640	<<420.360	Mean
CB-ΣΣ	.	.	.	.	.	.	.	.	s<<2k020e	<<671.967a	<<415.600	<<461.080	Mean
DDEPP	.	<226.538a	<<161.304	<<228.333a	292.143a	<189.200	<110.833	212.800a	460.000a	108.679	54.440	49.520	Mean
DDTTP	.	.	.	.	.	<<71.600	<<121.667	<<54.800	<<246.667a	.	.	.	Mean
TDEPP	.	.	.	.	.	.	.	.	.	.	20.720	<12.120	Mean
DD-Σ4	.	<226.538a	<<161.304	<<228.333a	292.143a	<<260.000a	<<225.833a	<<267.600a	<<706.667e	108.679	75.160	<61.640	Mean
HCHA	.	.	.	.	.	.	.	.	.	36.979	<<5.000	<<15.940	Mean
HCHG	.	.	.	.	.	.	.	.	.	<6.529	14.600	<<9.040	Mean
HC-Σ2	.	.	.	.	.	.	.	.	.	<43.508	<<19.600	<<13.680	Mean
HCB	.	.	<<27.391a	<<37.083a	<42.857a	<<28.000a	<<40.000a	<<40.000a	<<33.750a	<9.529	9.240	<<9.227	Mean
OCB	.	.	.	.	.	.	.	.	.	<<3.483	<<5.000	<<4.494	Mean
OCS	.	.	.	.	.	.	.	.	.	<<28.883	<<5.000	<<13.348	Mean
EPOCL	.	.	.	.	.	<2.424	<<4.368	16.290	4.443	127.092	7.372	<<6.160	Mean

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
	EPOCL 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	Mean	Count	Mean	Count	Mean	
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.							
I	Count	5:25	18:25	25:25	25:25			
	Age	3.360	3.280	3.480	3.480			3.373
	Wght	1073.880	852.960	1576.832	1576.832			1167.891
	Length	515.200	429.600	514.400	514.400			486.400
	Tissue wght	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	0.033	<0.032	<0.022	<0.022			<<0.029
	Cu	8.606	10.049	7.018	7.018			8.558
	Pb	<0.067	<0.076	<0.034	<0.034			<<0.059
	Zn	30.988a	30.728a	24.864	24.864			28.860
	CB28	6.480	<<6.556	<<5.000	<<5.000			<<6.012
	CB52	<4.200	<<11.667	<<7.920	<<7.920			<<7.929
	CB101	13.120	<<51.833	<18.840	<18.840			<<27.931
	CB105			13.880	13.880			13.880
	CB118	49.800	123.889	40.200	40.200			71.296
	CB138	64.280	220.889	64.880	64.880			116.683
	CB153	109.640	391.111	115.600	115.600			205.450
	CB156			<<7.760	<<7.760			<<7.760
	CB180	51.360	124.556	37.760	37.760			71.225
	CB209	<3.960	<<4.556	<<5.120	<<5.120			<<4.545
	CB Σ7	<298.880	<<927.944a	<<287.200	<<287.200			<<504.675a
	CB ΣΣ	<<302.680	<<931.167a	<<307.560	<<307.560			<<513.802a
	DDEPP	89.040	146.167	47.400	47.400			94.202
	TDEPP			<<5.360	<<5.360			<<5.360
	DD Σ4	89.040	146.167	<<52.760	<<52.760			<<95.989
	HCHA	15.520	<<7.667	<6.200	<6.200			<<9.796
	HCHG	13.880	<9.111	12.640	12.640			<<11.877
	HC Σ2	29.400	<<16.778	<18.840	<18.840			<<21.673
	HCB	7.680	13.278	12.000	12.000			10.986
	QCB	<<3.680	<<5.722	<<5.000	<<5.000			<<4.801
	OCS	<<2.360	<<4.111	<<5.000	<<5.000			<<3.824
	EPOCL	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					
Age		1:1				
Wght	830.000	3.000				3.000
Length		724.000				777.000
Dry		401.000				401.000
Fat	23.100	72.500				47.800
Cd	39.190	64.500				51.845
Cu		0.058				0.058
Pb		7.105				7.105
Zn		0.167a				0.167a
PCB	0.370	26.825				26.825
DDEPP		6.240e				3.305a
DDTTP		820.000e				820.000e
DD 24		470.000a				470.000a
HCHG		1290.000e				1290.000e
HC 22		<40.000				<40.000
OCB		<40.000				<40.000
EPOCL		<40.000a				<40.000a
PAH	33.000	3.050				3.050

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.

SampleType(I/B/H)	871125		881011		891015		901009		911023		921201	
	Count	Mean	Count	Mean	Count	Mean	Count	Mean	Count	Mean	Count	Mean
I	22.22	22.22	1399.045	22.22	13.13	19.19	8.8	18.333				
Age	2.727	1.409	1399.045	13.13	2.385	3.105	8.8	2.475				
Weight	1536.773	1399.045	1399.045	1411.692	2.385	3.105	2.750	1376.897				
Length	523.182	514.545	514.545	508.462	1411.692	1223.474	1313.500	506.277				
Dry	60.021	35.409	35.409	47.385	508.462	498.947	486.250	51.752				
Fat	71.185	78.615	78.615	59.177	47.385	31.721	84.225	65.034				
Cd	65.148	54.536	54.536	0.069	59.177	43.074	46.463	52.305				
Cu	9.059	13.817	13.817	8.834	0.069	0.100	<0.095	<<0.100				
Pb	0.178a	<0.230a	<0.230a	0.130a	8.834	0.182a	<<0.128a	9.233				
Zn	27.150	27.515	27.515	26.623	0.130a	27.789	21.563	26.128				
PCB		1.147a	1.147a		26.623			1.147a				
CB28		s<89.545	s<89.545			<<5.316	<<5.000	<<5.158				
CB52		s182.727	s182.727			<<5.737	<<7.375	<<6.556				
CB101		s90.000	s90.000			<16.368	16.500	<<16.434				
CB105						<11.474	<13.250	<<12.362				
CB118		s<<47.727	s<<47.727			40.053	37.500	38.776				
CB138		s461.818	s461.818			75.789	78.500	77.145				
CB153		s243.182	s243.182			123.105	123.625	122.865				
CB156						<<7.526	<<7.625	<<7.576				
CB180						28.684	39.500	34.092				
CB209						<<5.053	<<5.000	<<5.026				
CB<27		s<<1k177a	s<<1k177a			<<290.105	<<306.750	<<298.428				
CB<22		s<<1k177a	s<<1k177a			<<308.105	<<325.125	<<316.615				
DDEPP		1005.909e	1005.909e			567.158e	340.500a	637.856e				
DDTPP		<828.182e	<828.182e			180.211	42.000	<828.182e				
DEPP		<1834.091e	<1834.091e			747.368e	382.500a	<<987.986e				
HCHA						<<5.000	<<7.250	<<6.125				
HCHG		<49.545	<49.545			<<8.000	<10.750	<<22.765				
HC<22		<49.545	<49.545			<<11.684	<<17.375	<<26.202				
HCB		<<25.909a	<<25.909a			<<8.632	<<9.125	<<14.555				
GCB						<<5.000	<<5.000	<<5.000				
OCB						<<5.000	<<5.000	<<5.000				
EPOCL		5.923	5.923			<10.167	<<5.000	<<8.045				
H	Count	1:1	1:1	3.000				3.000				
Age	Year							1334.000				
Weight	g	1334.000	1334.000					493.000				
Length	mm	493.000	493.000					74.200				
Dry	%	74.200	74.200					56.200				
Fat	%	56.200	56.200					0.052				
Cd	ppm	0.052	0.052					6.908				
Cu	ppm	6.908	6.908					0.200a				
Pb	ppm	0.200a	0.200a					22.260				
Zn	ppm	22.260	22.260					0.840				
PCB	ppm	0.840	0.840					330.000a				
DDEPP	ppb	330.000a	330.000a					200.000				
DDTPP	ppb	200.000	200.000					530.000e				
DEPP	ppb	530.000e	530.000e					<40.000				
HCHG	ppb	<40.000	<40.000					<40.000				
HC<22	ppb	<40.000	<40.000					<40.000a				
HCB	ppb	<40.000a	<40.000a					3.100				
EPOCL	ppm	3.100	3.100					2.667				
B	Count			3:3				1410.667				
Age	Year							509.000				
Weight	g			1410.667				49.483				
Length	mm			509.000								
Tissue	weight	g		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.

I	Catch, Date ==> Count	841000 13.000	851127 10.000	861118 1.000	871020 1.000	881117 4.000	Mean	Mean	Mean	Mean	Mean
Count		13:13		1:1	1:1						1.500
Min:Max				2.000	1.000						1190.256
Age year				2300.000	60.000						446.154
Wght g		1210.769		640.000	200.000						31.200
Length mm		498.462		62.000	0.400						52.284
Tissue wght g				68.760							40.292
Dry %		35.808		53.200							0.120e
Fat %		27.384		0.069	d1.000?						26.610a
Cd		0.172e		26.610a	d24.200?						0.206a
Cu				0.206a	d1.230?						29.704
Pb				29.704	d201.000?						0.603
Zn				0.340							<<117.692
PCB		0.866		90.000							<40.000
DDEPP		<145.385		<40.000							<<137.692
DDTTP											90.000e
DDΣ4		<145.385		<130.000							90.000e
HCHG				90.000e							<<21.923a
HCΣ2				90.000e							1.100
HCB		<<23.846a		20.000							3.000
EPOCL				1.100							1251.500
H	Count		1:1								476.000
Min:Max											6.840
Age year			3.000								59.200
Wght g			1349.000								52.350
Length mm			481.000								0.062
Tissue wght g			6.840								6.245
Dry %			45.700								<0.087
Fat %			38.300								27.626
Cd			0.095								1.168a
Cu											145.000
Pb											180.000
Zn											235.000a
PCB											<40.000
DDEPP			0.365								<40.000
DDTTP			50.000								<<35.000a
DDΣ4			50.000								1.750
HCHG											
HCΣ2											
HCB			30.000a								
EPOCL											

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	29.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	18.000	24.667	Mean
SampleType(I/B/H)											
Param. (w,d,l): No.,Fo.,Ri.											
I Count	29:29	25:25	25:25	25:25	25	25	25	25	17		
Age	1.391	2.040	1.190	1.960	4.640	3.280	3.760	2.880	3.647		2.754
Weight	897.207	396.320	588.200	717.240	1140.120	1530.560	1715.880	1524.560	1152.488		1073.619
Length	445.517	350.000	397.600	434.400	484.200	528.400	536.800	525.600	467.353		463.319
Dry	21.720	20.106	19.520	20.173	21.612	22.479	19.964	19.408	19.559		20.504
Fat	0.149a	0.096	0.086	0.108	<0.118a	0.144a	0.140a	<0.101a	0.135a		0.108
Hg	<<0.050a	<<0.050a	<<0.023a	<<0.050a							<0.112a
PCB											<<0.038a
H Count					1	1					
Age					5.000	3.000					4.000
Weight					1140.000	1531.000					1335.500
Length					484.000	528.000					506.000
Dry					21.600	22.130					21.865
Fat					0.300	0.440					0.370
PCB					0.030a	<0.020a					<<0.025a
B Count							5:5	5:5	3:3		
Age							3.800	2.800	3.667		3.422
Weight							1647.400	1524.400	1235.700		1469.167
Length							535.200	525.600	481.000		513.933
Dry							19.960	19.400			19.680
Fat							0.260	<0.066	0.300		0.353
CB28							0.160	0.340	0.133		<<0.086
CB52							0.222	0.976	0.200		0.233
CB101								0.904	1.300		0.833
CB105								2.046	1.567		1.235
CB118							0.450	3.100	3.367		1.954
CB138							1.188	3.800	6.233		3.507
CB153							1.442	3.800	7.333		4.192
CB156								0.122	0.433		0.278
CB180							0.340	0.858	2.367		1.188
CB209							<<0.050	<<0.056	<<0.100		<<0.069
CB $\Sigma 7$							<3.862	<11.186a	20.933a		<<11.994a
CB $\Sigma \Sigma$							<<3.902	<<12.268a	<<23.033a		<<13.068a
DDEPP							0.488	1.867	1.158		1.158
TDEPP								0.276	0.233		0.255
DD $\Sigma 4$							0.488	1.596	2.100a		1.328
HCHA							0.214	<<0.050	<<0.100		<<0.121
HCHG							0.072	<<0.052	<<0.100		<<0.075
HC $\Sigma 2$							0.288	<<0.072	<<0.100		<<0.153
HCB							0.088	0.092	0.100		0.093
QCB							<<0.050	<<0.050	<<0.100		<<0.067
OCS							<<0.050	<<0.052	0.100		<<0.067
NAP									<<0.200		<<0.200
NAP2M									<<0.200		<<0.200
NAP1M									<<0.200		<<0.200
B1P1M									<<0.200		<<0.200
NAPDI									<<0.200		<<0.200
NAP1M									<<0.200		<<0.200
ACNLE									<<0.200		<<0.200
ACNE									<<0.200		<<0.200
FLU									<<0.200		<<0.200
PA									<<0.200		<<0.200
ANT									<<0.200		<<0.200
PAM1									<<0.200		<<0.200
FLU									<<0.200		<<0.200
PYR									<<0.200		<<0.200
BAA									<<0.200		<<0.200
CHR									<<0.200		<<0.200

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(L/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.

	811229		821200		831201		841214		851216		870204		880105		881213		891201		901105		911201		921215		Mean		
	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Mean		
I	10:10	27:27	23:23	24:24	14:14	25:25	25:25	25:25	14:14	25:25	25:25	25:25	25:25	10:10	27:27	23:23	24:24	14:14	25:25	25:25	25:25	25:25	25:25	25:25	25:25	22.667	
	2.000	2.481	2.565	2.542	1.783	1.783	1.783	1.783	1474.500	1724.500	1783	1.960	1.960	1228.000	2.481	2.565	2.542	1724.500	1783	1.960	1.960	1.960	1.960	1.960	1.960	2.428	
	511.000	1561.481	1579.783	1467.792	555.714	1388.680	1467.792	506.667	555.714	491.200	432.600	739.400	739.400	511.000	1561.481	1579.783	1467.792	555.714	1388.680	432.600	432.600	432.600	432.600	432.600	432.600	1371.268	
	19.515	20.407	18.616	20.933	20.821	19.774	19.774	20.933	20.821	20.821	20.184	20.184	20.184	19.515	20.407	18.616	20.933	20.821	19.774	20.184	20.184	20.184	20.184	20.184	20.184	20.184	505.321
	0.462	0.200									0.114	0.114	0.114	0.462	0.200					0.114	0.114	0.114	0.114	0.114	0.114	21.346	
	<<0.006	0.133a	r<0.175a	0.144a	0.101a	0.094	0.094	0.144a	0.101a	0.094	0.036	0.036	0.036	<<0.006	0.133a	r<0.175a	0.144a	0.101a	0.094	0.036	0.036	0.036	0.036	0.036	0.036	<<0.006	
	0.073	0.414	<<0.050a	<<0.050a	<<0.050a	<<0.034a	<<0.050a	<<0.050a	<<0.050a	<<0.034a	<<0.021a	<<0.021a	<<0.021a	0.073	0.414	<<0.050a	<<0.050a	<<0.050a	<<0.034a	<<0.021a	<<0.021a	<<0.021a	<<0.021a	<<0.021a	<<0.021a	r<0.096	
	0.013a	<<0.051a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	0.013a	<<0.051a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	0.414	
			<<50.000a												<<50.000a											<<0.038a	
			<<50.000a												<<50.000a											<<50.000a	
			<<10.000a												<<10.000a											<<10.000a	
H	Count	Min:Max												Count	Min:Max												
														1													
	Age	Year												3.000												2.500	
	Wght	g												1470.000												1338.000	
	Length	mm												526.000												504.000	
	Dry	%												21.300												27.410	
	Fat	%												0.300												0.240	
	PCB	ppm w.wt												0.020a												0.035a	
B	Count	Min:Max												Count	Min:Max												
	Age	Year												5:5												2.867	
	Wght	g												2.400												1373.593	
	Length	mm												1358.000												507.000	
	Dry	%												514.800												19.760	
	Fat	%												19.460												0.393	
	CB28	ppb w.wt												0.400												<<0.075	
	CB52	ppb w.wt												<<0.062												<<0.091	
	CB101	ppb w.wt												0.082												<<0.139	
	CB105	ppb w.wt												0.144												0.147	
	CB118	ppb w.wt												0.114												0.401	
	CB138	ppb w.wt												0.264												0.469	
	CB133	ppb w.wt												0.624												0.707	
	CB156	ppb w.wt												0.994												<<0.075	
	CB180	ppb w.wt												0.160												0.123	
	CB209	ppb w.wt												<<0.060												<<0.070	
	CB 217	ppb w.wt												<<2.644												<<1.970	
	CB 222	ppb w.wt												<<2.684												<<2.098	
	DDEPP	ppb w.wt												0.474												0.339	
	TDEPP	ppb w.wt												0.058												<<0.079	
	DD 214	ppb w.wt												0.474												<<0.392	
	HCHA	ppb w.wt												0.310												<<0.153	
	HCHG	ppb w.wt												0.160												<<0.122	
	HC 212	ppb w.wt												0.470												<<0.269	
	HC	ppb w.wt												0.074												<<0.093	
	QCB	ppb w.wt												0.106												<<0.067	
	QCS	ppb w.wt												<<0.050												<<0.081	

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.

	901104		911001		Mean
	Mean	Mean	Mean	Mean	
Catch, Date ==>	14	25			
Count	14.000	25.000			19.500
SampleType (I/B/H)					
Param. (w,d,l) : No.Fo.Ri.					
I Count Min:Max					
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
Count Min:Max	3:3	5:5			
B Count					
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	
	Mean	Mean	Mean	Mean	Mean	Mean
Catch, Date ==>	25	24	23			
Count	2.760	2.458	3.043			2.754
SampleType (I/B/H)						
Param. (w,d,l): No.Fo.Ri.						
I Count Min:Max	1532.240	1584.917	1673.487			1596.881
Age year	526.800	517.083	513.478			519.121
Wght g	20.340	20.067	19.252			19.886
Length mm	Hg ppm w.wt +...+...+	<0.066	0.045			<<0.071
Dry %	0.102a	5:5	2:4			
Hg ppm w.wt +...+...+	5:5	5:5				
Count Min:Max	2.600	2.600	3.000			2.733
Age year	1532.200	1568.200	1770.350			1623.583
Wght g	526.800	515.600	522.500			521.633
Length mm	20.320	20.080				20.200
Dry %	0.280	0.420	0.325			0.342
Fat %	<<0.050	<<0.050	0.150			<<0.083
CB28 ppb w.wt +...+...+	<<0.058	<0.062	<<0.100			<<0.073
CB52 ppb w.wt +...+...+	0.140	0.142	0.125			0.136
CB101 ppb w.wt +...+...+		<0.070	0.100			<<0.085
CB105 ppb w.wt +...+...+	<0.216	0.196	0.275			<<0.229
CB118 ppb w.wt +...+...+	0.442	0.364	0.300			0.369
CB138 ppb w.wt +...+...+	0.664	0.470	0.550			0.561
CB153 ppb w.wt +...+...+		<<0.050	<<0.100			<<0.075
CB156 ppb w.wt +...+...+	0.160	0.090	0.125			0.125
CB180 ppb w.wt +...+...+	<<0.068	<<0.050	<<0.100			<<0.073
CB209 ppb w.wt +...+...+	<<1.690	<<1.374	<<1.475			<<1.513
CB_Σ7 ppb w.wt +...+...+	<<1.718	<<1.454	<<1.625			<<1.599
CB_ΣΣ ppb w.wt +...+...+	0.576	0.422	0.400			0.466
DDEPP ppb w.wt +...+...+		0.110	0.150			0.130
TDEPP ppb w.wt +...+...+	0.576	0.532	0.550			0.553
DD_Σ4 ppb w.wt +...+...+	0.174	<<0.050	<<0.100			<<0.108
HCHA ppb w.wt +...+...+	0.096	0.068	0.100			0.088
HCHG ppb w.wt +...+...+	0.270	<<0.118	<<0.200			<<0.196
HC_Σ2 ppb w.wt +...+...+	0.100	0.116	0.100			0.105
HCB ppb w.wt +...+...+	<<0.050	<<0.050	<<0.100			<<0.067
QCB ppb w.wt +...+...+	<<0.170	<<0.050	<<0.100			<<0.107
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
	Count	Mean	Count	Mean	Count	Mean	
Catch, Date ==>	25		25		25		
Count	25.000		25.000		25.000		25.000
SampleType (I/B/H)							
Param. (w,d,l) : No.Fo.Ri.							
I							
Count	25		25		25		
Min:Max							
Age	3.360		3.280		3.480		3.373
year							
Wght	1073.880		852.960		1576.832		1167.891
g							
Length	515.200		429.600		514.400		486.400
mm							
Dry	19.428		18.716		19.896		19.347
%							
Hg	0.135a		0.104a		0.075		0.104a
ppm w.wt							
Min:Max	5:5		5:5		5:5		
B							
Count	3.200		3.400		3.400		3.333
Age							
year							
Wght	1074.000		853.000		1576.840		1167.947
g							
Length	515.200		429.600		514.400		486.400
mm							
Dry	19.440		18.720				19.080
%							
Fat	0.320		0.460		0.280		0.353
%							
CB28	<<0.050		<<0.062		<<0.100		<<0.071
ppb w.wt							
CB52	<<0.050		<<0.068		<<0.100		<<0.073
ppb w.wt							
CB101	<<0.052		0.224		<<0.100		<<0.125
ppb w.wt							
CB105			0.194		<<0.100		<<0.147
ppb w.wt							
CB118	<0.088		0.624		0.100		<<0.271
ppb w.wt							
CB138	<<0.110		1.364		0.180		<<0.551
ppb w.wt							
CB153	0.282		2.318		0.240		0.947
ppb w.wt							
CB156			<<0.128		<<0.100		<<0.114
ppb w.wt							
CB180	<<0.056		0.696		<0.100		<<0.284
ppb w.wt							
CB209	<<0.050		<<0.050		<<0.100		<<0.067
ppb w.wt							
CB_Σ7	<<0.548		<<5.346a		<<0.700		<<2.198
ppb w.wt							
CB_ΣΣ	<<0.548		<<5.658a		<<0.700		<<2.302
ppb w.wt							
DDEPP	0.294		0.560		0.140		0.331
ppb w.wt							
TDEPP			0.126		<<0.100		<<0.113
ppb w.wt							
DD_Σ4	0.294		0.686		<<0.240		<<0.407
ppb w.wt							
HCHA	0.220		<<0.050		<<0.100		<<0.123
ppb w.wt							
HCHG	0.114		<<0.078		<<0.100		<<0.097
ppb w.wt							
HC_Σ2	0.334		<<0.108		<<0.100		<<0.181
ppb w.wt							
HCB	0.082		0.082		<<0.100		<<0.088
ppb w.wt							
QCB	<<0.050		<<0.050		<<0.100		<<0.067
ppb w.wt							
OCS	<<0.050		<<0.050		<<0.100		<<0.067
ppb w.wt							

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	Mean	Mean
Catch, Date ==>	870222	881117	891125	901014
Count	12.000	25.000	12.000	25.000
911101	911101	911101	911101	911101
20.167	20.167	20.167	20.167	20.167
Mean	Mean	Mean	Mean	Mean
22	25	25	25	22
1.727	3.320	3.320	3.320	3.333
1033.833	992.280	992.280	992.280	1552.800
447.917	464.400	464.400	464.400	530.909
20.809	19.844	19.844	19.844	19.462
0.234a	0.238a	0.238a	0.238a	0.399e
1:1				
3.000				
724.000				3.000
401.000				724.000
22.400				401.000
0.200				22.400
0.105a				0.200
0.030a				0.105a
0.030a				0.030a
3	5:5	5:5	5:5	4:4
1.667	2.200	2.200	2.200	3.500
1034.333	725.800	725.800	725.800	1648.275
448.333	389.600	389.600	389.600	542.000
22.557	20.320	20.320	20.320	20.899
0.330	0.460	0.460	0.460	0.379
<<0.027a				<<0.027a
	<<0.050	<<0.050	<<0.050	<<0.058
	<0.172	<0.172	<0.172	<<0.103
	1.084	1.084	1.084	0.840
				2.225
	2.456	2.456	2.456	2.621
	3.230	3.230	3.230	3.664
	3.384	3.384	3.384	4.007
				0.900
	0.392	0.392	0.392	0.750
	<<0.050	<<0.050	<<0.050	<<0.057
	<<10.758a	<<10.758a	<<10.758a	<<12.002a
	<<10.758a	<<10.758a	<<10.758a	<<13.047a
	2.454a	2.454a	2.454a	5.637a
				0.663
	2.454a	2.454a	2.454a	6.079a
	0.338	0.338	0.338	<<0.154
	0.370	0.370	0.370	<<0.163
	0.708a	0.708a	0.708a	<<0.280
	0.114	0.114	0.114	0.081
	<<0.050	<<0.050	<<0.050	<<0.057
	<<0.050	<<0.050	<<0.050	<<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.

	871125		881011		891015		901009		911023		921201		Mean
	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Count	Min:Max	Mean
I													
Catch, Date ==>													
Count	22		22		22		13		20		8		2.484
Age	2.727		1.409		1.409		2.385		3.150		2.750		1379.632
Weight	1536.773		1399.045		1399.045		1411.692		1237.150		1313.500		506.788
Length	523.182		514.545		514.545		508.462		501.500		486.250		20.556
Dry %	20.276		22.099		22.099		20.208		19.120		21.075		<0.126a
Hg ppm w.wt	0.141a		0.102a		0.102a		0.163a		<0.118a		0.104a		2.333
Count		1:1		1							1:1		1398.733
Age		3.000		1.000							3.000		508.000
Weight		1334.000		1399.000							1463.200		22.740
Length		493.000		515.000							516.000		0.300
Dry %		22.900		22.580							0.300		0.085
Fat %		0.400		0.200							0.300		<<0.020a
Hg ppm w.wt		0.085		<0.020a							<0.100		<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 27													1.900
CB 22													0.100
DDEPP													0.100
TDEPP													0.200
DD 24													<0.100
HCHA													0.500
HCHG													1.900
HC 22													0.100
HCB													0.100
QCB													<0.100
OCS													<0.100
Count													<0.100
Min:Max													2.833
Age													1324.083
Weight													505.250
Length													19.713
Dry %													0.396
Fat %													<<0.050
CB28													<<0.055
CB52													0.130
CB101													0.083
CB105													<<0.232
CB118													0.433
CB138													0.611
CB153													<<0.050
CB156													<<0.155
CB180													<<0.050
CB209													<<1.616
CB 27													<<1.658
CB 22													4.367a
DDEPP													0.423
TDEPP													4.578a
DD 24													<<0.158
HCHA													0.085
HCHG													

B

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	<<0.118	.	.	<<0.244
HCB ppb w.wt +...+.....	0.117	0.083	0.083	.	.	0.100
QCB ppb w.wt +...+.....	<<0.050	<<0.050	<<0.050	.	.	<<0.050
OCS ppb w.wt +...+.....	<<0.050	<<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	Mean	Mean	Mean
I Count Min:Max	13:13	10:10	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	2.133
Age year	.	3.400	2.000	2.000	2.000	2.000	1.000	1.000	1.000	1.000	1.000	1229.842
Wght g	1210.769	1348.600	1348.600	2300.000	2300.000	2300.000	60.000	60.000	60.000	60.000	60.000	454.865
Length mm	498.462	481.000	481.000	640.000	640.000	640.000	200.000	200.000	200.000	200.000	200.000	20.845
Dry %	20.485	21.510	20.540	20.540	20.540	20.540	.	.	.	.	.	0.042
Hg ppm w.wt +...+...+	0.049	0.052	0.025	0.025	0.025	0.025	d0.070?	d0.070?	d0.070?	d0.070?	d0.070?	0.042
PCB ppm w.wt +...+...+	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	<<0.050a	.	.	.	.	.	<<0.047a
H Count Min:Max	.	.	.	.	.	.	.	.	.	.	.	3.000
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

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

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 Færder area**, Latitude: 59°04.00N, Longitude: 10°23.00E.

Catch, Date ==> Count SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	901101		911201		921215		Mean
	Mean	5:5	Mean	5:5	Mean	5:5	Mean
B Count	5:5	5:5	5:5	5:5	5:5	5:5	
Age	3.200						4.100
Wght	201.600	292.000	292.000	300.700	300.700	300.700	264.767
Length	257.200	289.200	289.200	301.400	301.400	301.400	282.600
Dry	21.640	20.440	20.440	19.440	19.440	19.440	20.507
Fat	0.720	0.800	0.800	0.460	0.460	0.460	0.660
Hg	0.072	0.074	0.074	0.097	0.097	0.097	0.081
CB28	<0.106	0.092	0.092	<0.100	<0.100	<0.100	<<0.099
CB52	<0.118	0.094	0.094	<0.100	<0.100	<0.100	<<0.104
CB101	0.500	0.366	0.366	0.220	0.220	0.220	0.362
CB105		0.284	0.284	0.380	0.380	0.380	0.332
CB118	2.344	1.088	1.088	1.160	1.160	1.160	1.531
CB138	3.392	1.744	1.744	1.860	1.860	1.860	2.332
CB153	4.546	2.534	2.534	2.580	2.580	2.580	3.220
CB156		<0.074	<0.074	0.120	0.120	0.120	<<0.097
CB180	0.538	0.302	0.302	0.380	0.380	0.380	0.407
CB209	<0.172	0.242	0.242	0.180	0.180	0.180	<<0.198
CB Σ7	<<11.534a	6.220	6.220	<<6.300	<<6.300	<<6.300	<<8.018
CB ΣΣ	<<11.686a	<6.820	<6.820	<<6.980	<<6.980	<<6.980	<<8.495
DDEPP	1.078	1.074	1.074	0.860	0.860	0.860	1.004
TDEPP		<0.092	<0.092	<0.100	<0.100	<0.100	<<0.096
DD Σ4	1.078	<1.166	<1.166	<<0.960	<<0.960	<<0.960	<<1.068
HCHA	0.572	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.241
HCHG	0.400	0.092	0.092	0.120	0.120	0.120	0.204
HC Σ2	0.972	<<0.142	<<0.142	<<0.220	<<0.220	<<0.220	<<0.445
HCB	0.166	0.092	0.092	0.100	0.100	0.100	0.119
QCB	<<0.054	<<0.050	<<0.050	<<0.100	<<0.100	<<0.100	<<0.068
OCS	<<0.050	<<0.056	<<0.056	<<0.100	<<0.100	<<0.100	<<0.069

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	Mean	Mean	Mean	Mean	Mean	
SampleType(I/B/H)	5:5		5:5		4:4		4.350
Param. (w,d,l): No.Fo.Ri.	3.200		307.400		5.500		314.767
B Count Min:Max	167.200		280.000		330.500		291.633
Age year	264.400		19.620		24.525		22.195
Weight g	22.440		0.900		0.475		0.678
Length mm	0.660		0.096		0.246a		0.157a
Tissue g	<0.050		0.120		<0.100		<<0.090
Dry %	0.064		0.140		0.175		0.126
Fat %	0.170		0.500		0.425		0.365
Hg ppm w.wt ?...+..+	0.370		1.040		0.275		0.288
CB28 ppb w.wt ?...+..+	0.578		1.640		0.750		0.720
CB52 ppb w.wt ?...+..+	0.846		2.800		1.050		1.089
CB101 ppb w.wt ?...+..+	0.230		<0.120		0.125		<<0.123
CB105 ppb w.wt ?...+..+	0.620		<0.100		0.500		0.450
CB118 ppb w.wt ?...+..+	<<0.052		<0.100		<<0.200		<<0.117
CB138 ppb w.wt ?...+..+	<<2.308		0.860		<<4.550		<<4.573
CB153 ppb w.wt ?...+..+	1.134		2.660		1.525		<<4.950
CB156 ppb w.wt ?...+..+	1.134		0.740		0.375		1.773
CB180 ppb w.wt ?...+..+	1.134		3.400a		1.900		0.558
CB209 ppb w.wt ?...+..+	0.224		<0.100		0.100		2.145
CB27 ppb w.wt ?...+..+	0.264		0.180		0.200		<<0.141
CB28 ppb w.wt ?...+..+	0.488		<0.280		0.300		0.215
CB29 ppb w.wt ?...+..+	0.134		0.180		0.150		<<0.356
CB30 ppb w.wt ?...+..+	<<0.050		<0.100		<<0.100		<<0.075
CB31 ppb w.wt ?...+..+	<<0.050		<0.100		<<0.100		<<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	Mean	Mean	Mean	Mean	Mean	
SampleType(I/B/H)	1:1		1:1		1:1		2.667
Param. (w,d,l): No.Fo.Ri.	2.000		2.000		4.000		820.000
H Count Min:Max	775.000		857.000		828.000		437.667
Age year	429.000		433.000		451.000		30.040
Weight g	26.580		33.500		78.600		77.987
Length mm	70.860		65.100		61.700		63.933
Tissue g	65.000		0.127		0.024		0.051
Dry %	0.004		4.360		2.130		3.113
Fat %	2.849		0.099		<0.071		<<0.113
Cd ppm w.wt	7.440		19.900		11.869		13.070
Cu ppm w.wt	0.340		0.300		0.590		0.410
Zn ppm w.wt	40.000		50.000		40.000		<<43.333
PCB ppb w.wt	<45.000		60.000		40.000		<<48.333
DDEPP ppb w.wt	<85.000		110.000		40.000		<<78.333
DDTTP ppb w.wt	60.000		40.000		40.000		<<46.667
DDT ppb w.wt	60.000		40.000		40.000		<<46.667
HC ppb w.wt	20.000		40.000		40.000		<<33.333
HCB ppb w.wt	2.350		40.000		40.000		<<3.607
EPOCL ppm w.wt	2.350		40.000		40.000		<<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		4.000		9.333	
Param. (w,d,l): No.Fo.Ri.	1:1		1:1		1:1		1:1	
H Count Min:Max	2.000		2.000		4.000		2.667	
Age year	775.000		857.000		828.000		820.000	
Wght g	429.000		433.000		451.000		437.667	
Length mm	22.210		20.500		22.600		21.770	
Dry %	0.100		0.100		0.200		0.150	
Fat %	0.022		0.076		0.014		0.037	
Hg ppm w.wt	<0.020		<0.020		<0.020		<<0.020	
PCB ppm w.wt	<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		5.500	
Param. (w,d,l): No.Fo.Ri.	1:1		1:1		1:1	
H Count Min:Max	1.000		1.000		1.000	
Age year	492.000		404.000		448.000	
Wght g	380.000		352.000		366.000	
Length mm	22.720		76.800		22.720	
Tissue wght g	78.390		61.500		77.595	
Dry %	60.200		0.054		60.850	
Fat %	0.071		3.863		0.062	
Cd ppm w.wt	<0.141		0.077		<<0.109	
Cu ppm w.wt	25.242		18.355		21.798	
Pb ppm w.wt	0.440		1.090		0.765	
Zn ppm w.wt	120.000		140.000		130.000	
PCB ppm w.wt	340.000		140.000		240.000	
DDEPP ppb w.wt	460.000		280.000		370.000	
DDTPP ppb w.wt	<40.000		<40.000		<<40.000	
DD Σ4 ppb w.wt	<40.000		<40.000		<<40.000	
HCHG ppb w.wt	<40.000		<40.000		<<40.000	
HCB ppb w.wt	<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		5.500	
Param. (w,d,l): No.Fo.Ri.	1:1		1:1		1:1	
H Count Min:Max	1.000		1.000		1.000	
Age year	492.000		404.000		448.000	
Wght g	380.000		352.000		366.000	
Length mm	22.100		21.500		21.800	
Dry %	0.300		0.200		0.250	
Fat %	0.045		0.043		0.044	
Hg ppm w.wt	<0.020		0.020		<<0.020	
PCB ppm w.wt	<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 Min:Max	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 Min:Max	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	381.250
Tissue wght	7.625
Dry	33.624
Fat	13.211
Cd	0.312a
PCB	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
DEPP 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	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, Platicthys 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)	Param. (w,d,l) : No.Fo.Ri.	Mean					Mean								
		831229	851113	861119	871110	881001	891018	901113	911023	921012	Mean				
I	Catch, Date ==>	25:25	25:25	Mean
	Count	25.000	25.000	22.000	26.000	25.000	18.000	23.000	25.000	23.778	Mean				
	Min:Max	2.760	175.840	3.000	2.000	4.000	4.000	2.600	4.200	3.250	Mean				
	Age year	212.800	252.000	172.000	167.000	178.000	180.000	215.600	257.880	174.250	Mean				
	Wght g	270.800	19.959	244.000	255.000	250.000	249.000	274.000	282.600	249.500	Mean				
	Length mm	24.220	0.094	20.240	23.800	21.700	20.190	21.160	22.160	21.483	Mean				
	%	0.153a	<<0.050a	0.077	0.200	0.300	0.320	0.720	0.220	0.273	Mean				
	Dry	<<0.050a	<<0.050a	<0.030a	<0.020a	0.069	0.020a	0.176a	0.147a	0.056	Mean				
	Hg	<<50.000a	<<50.000a	0.077	0.021	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	PCB	<<50.000a	<<50.000a	<0.030a	<0.020a	<0.020a	0.020a	0.176a	0.147a	<<0.023a	Mean				
	DD Σ4	<<10.000a	<<10.000a	0.077	0.021	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	HCB	<<10.000a	<<10.000a	<0.030a	<0.020a	<0.020a	0.020a	0.176a	0.147a	<<0.023a	Mean				
H	Count	3.000	172.000	244.000	255.000	250.000	249.000	274.000	282.600	249.500	Mean				
	Min:Max	2.760	175.840	3.000	2.000	4.000	4.000	2.600	4.200	3.250	Mean				
	Age year	212.800	252.000	172.000	167.000	178.000	180.000	215.600	257.880	174.250	Mean				
	Wght g	270.800	19.959	244.000	255.000	250.000	249.000	274.000	282.600	249.500	Mean				
	Length mm	24.220	0.094	20.240	23.800	21.700	20.190	21.160	22.160	21.483	Mean				
	%	0.153a	<<0.050a	0.077	0.200	0.300	0.320	0.720	0.220	0.273	Mean				
	Dry	<<0.050a	<<0.050a	<0.030a	<0.020a	0.069	0.020a	0.176a	0.147a	0.056	Mean				
	Fat	<<50.000a	<<50.000a	<0.030a	<0.020a	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	Hg	<<50.000a	<<50.000a	0.077	0.021	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	PCB	<<50.000a	<<50.000a	<0.030a	<0.020a	<0.020a	0.020a	0.176a	0.147a	<<0.023a	Mean				
B	Count	3.000	172.000	244.000	255.000	250.000	249.000	274.000	282.600	249.500	Mean				
	Min:Max	2.760	175.840	3.000	2.000	4.000	4.000	2.600	4.200	3.250	Mean				
	Age year	212.800	252.000	172.000	167.000	178.000	180.000	215.600	257.880	174.250	Mean				
	Wght g	270.800	19.959	244.000	255.000	250.000	249.000	274.000	282.600	249.500	Mean				
	Length mm	24.220	0.094	20.240	23.800	21.700	20.190	21.160	22.160	21.483	Mean				
	%	0.153a	<<0.050a	0.077	0.200	0.300	0.320	0.720	0.220	0.273	Mean				
	Dry	<<0.050a	<<0.050a	<0.030a	<0.020a	0.069	0.020a	0.176a	0.147a	0.056	Mean				
	Fat	<<50.000a	<<50.000a	<0.030a	<0.020a	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	Hg	<<50.000a	<<50.000a	0.077	0.021	0.069	0.020a	0.176a	0.147a	<<0.023a	Mean				
	PCB	<<50.000a	<<50.000a	<0.030a	<0.020a	<0.020a	0.020a	0.176a	0.147a	<<0.023a	Mean				
	CB28	<<0.145	<<0.145	0.162	0.162	0.172	0.162	0.172	<<0.100	<<0.145	Mean				
	CB52	<<0.172	<<0.172	0.194	0.194	0.221	0.194	0.221	<<0.100	<<0.172	Mean				
	CB101	0.283	0.283	0.312	0.312	0.356	0.312	0.356	0.180	0.283	Mean				
	CB105	0.160	0.160	0.344	0.344	0.762	0.344	0.762	0.160	0.160	Mean				
	CB118	0.475	0.475	0.602	0.602	1.088	0.602	1.088	0.320	0.475	Mean				
	CB138	0.723	0.723	0.754	0.754	1.304	0.754	1.304	0.480	0.723	Mean				
	CB153	0.859	0.859	0.184	0.184	0.258	0.184	0.258	0.520	0.859	Mean				
	CB156	<<0.100	<<0.100	<<0.050	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.100	Mean				
	CB180	0.201	0.201	0.160	0.160	0.160	0.160	0.160	0.160	0.201	Mean				
	CB209	<<0.067	<<0.067	<<0.050	<<0.050	<<0.050	<<0.050	<<0.050	<<0.067	<<0.067	Mean				
	CB Σ7	<<2.824	<<2.824	4.161	4.161	4.161	4.161	4.161	<<1.760	<<2.824	Mean				
	CB Σ2	<<2.911	<<2.911	1.768	1.768	1.768	1.768	1.768	<<1.920	<<2.911	Mean				
	DEPP	1.186	1.186	<<0.054	<<0.054	<<0.054	<<0.054	<<0.054	0.580	1.186	Mean				
	TDEPP	<<0.077	<<0.077	0.100	0.100	0.100	0.100	0.100	0.100	<<0.077	Mean				
	DD Σ4	<<1.237	<<1.237	<<1.822	<<1.822	<<1.822	<<1.822	<<1.822	0.680	<<1.237	Mean				
	HCHA	<<0.116	<<0.116	0.084	0.084	0.084	0.084	0.084	<<0.100	<<0.116	Mean				
	HCHG	<<0.109	<<0.109	0.178	0.178	<<0.050	0.178	<<0.050	<<0.100	<<0.109	Mean				
	HC Σ2	<<0.192	<<0.192	0.342	0.342	<<0.134	0.342	<<0.134	<<0.100	<<0.192	Mean				
	HCB	<<0.079	<<0.079	0.058	0.058	0.078	0.058	0.078	<<0.100	<<0.079	Mean				
	QCB	<<0.067	<<0.067	<<0.050	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.067	Mean				
	OCS	<<0.067	<<0.067	<<0.050	<<0.050	<<0.050	<<0.050	<<0.050	<<0.100	<<0.067	Mean				

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 Sørifjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sørifjord**, Latitude: 60°10.00N, Longitude: 06°34.00E.

SampleType (I/B/H) Param. (w,d,l) : No.Fo.Ri.	840317	881118	891228	901012	911003	921215	Mean
	Count	Mean	Mean	Mean	Mean	Mean	Mean
Catch, Date ==>	22	25					
Count	22.000	21.000	25.000	25.000	25.000	23.000	23.500
I							
Min:Max							
Age year	3.333	3.391					3.362
Wght g	292.136	290.600					291.368
Length mm	308.636	277.400					293.018
Dry %	19.079	24.020					21.549
Hg ppm w.wt	0.513e	0.132a					0.323e
H							
Min:Max							
Age year		1:1					5.000
Wght g		5.000					339.000
Length mm		339.000					297.000
Dry %		21.700					21.700
Fat %		0.500					0.500
Hg ppm w.wt		0.111a					0.111a
PCB ppm w.wt		0.050a					0.050a
B							
Min:Max							
Age year		5		5:5		5:5	3.600
Wght g		3.800		3.400		4.200	380.450
Length mm		290.800		371.000		538.000	311.800
Dry %		277.400		305.600		370.200	21.885
Fat %		24.018		21.880		20.840	0.794
Hg ppm w.wt		0.534		1.000		1.120	0.122a
PCB ppm w.wt		<<0.020a		0.118a		0.128a	<<0.020a
CB28 ppb w.wt				1.162		0.420	0.621
CB52 ppb w.wt				1.906		2.280	1.582
CB101 ppb w.wt				6.698		8.440	6.013
CB105 ppb w.wt						0.880	0.880
CB118 ppb w.wt				4.404		6.820	4.475
CB138 ppb w.wt				5.916		9.600	6.132
CB153 ppb w.wt				6.250		9.300	6.223
CB156 ppb w.wt						0.320	0.320
CB180 ppb w.wt				1.286		1.620	1.309
CB209 ppb w.wt				<<0.050		<<0.100	<<0.083
CB Σ7 ppb w.wt				27.622a		38.480a	26.354a
CB ΣΣ ppb w.wt				<<27.672a		<<38.580a	<<26.837a
DDEPP ppb w.wt				4.914a		6.400a	4.991a
TDEPP ppb w.wt						0.640	0.900
DD Σ4 ppb w.wt				4.914a		7.560a	5.591a
HCHA ppb w.wt				0.414		0.320	<<0.278
HCHG ppb w.wt				0.212		0.180	<<0.164
HC Σ2 ppb w.wt				0.626		0.500	<<0.435
HCB ppb w.wt				0.402a		0.300a	0.314a
QCB ppb w.wt				<0.138		<<0.120	<<0.119
OCS ppb w.wt				<<0.050		<<0.100	<<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			
Count						8.000
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	1351.000		1324.000			1337.500
Wght g	501.000		511.000			506.000
Length mm						
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	
	Mean	Mean	Mean	Mean	Mean	Mean
Catch, Date ==>	16.000	1.000	16.16	1:1	16.16	8.000
Count			3.733		3.733	
SampleType (I/B/H)			1351.267	540.000	1351.267	945.633
Param. (w,d,l) : No.Fo.Ri.			500.625	410.000	500.625	455.313
I			22.000	21.180	22.000	21.590
Count			0.048	0.030	0.048	0.039
Age			<<0.050	0.040	<<0.050	<<0.045
Min:Max						
year						
Wght						
Length						
mm						
Dry						
%						
Hg						
ppm w.wt						
PCB						
ppm w.wt						
H						
Count						
Min:Max						
year						
Wght						
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	
	Mean	Mean
Catch, Date ==>	3.000	3.000
Count		
SampleType (I/B/H)		
Param. (w,d,l) : No.Fo.Ri.		
H		
Count		
Min:Max		
year		
Wght		
g		
Length		
mm		
Dry		
%		
Fat		
%		
Cd		
ppm w.wt		
Cu		
ppm w.wt		
Pb		
ppm w.wt		
Zn		
ppm w.wt		
PCB		
ppm w.wt		
DDEPP		
ppb w.wt		
DDTTP		
ppb w.wt		
DD Σ4		
ppb w.wt		
HCHG		
ppb w.wt		
HC Σ2		
ppb w.wt		
HCB		
ppb w.wt		
EPOCL		
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 Sør fjorden**, Tissue : **MUSCLE**.
 Locality : **53B Inner Sør fjord**, 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	1.542	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 Σ6 ppb w.wt	62.500
P Σ20 ppb w.wt	<<217.200
PK Σ7 ppb w.wt	<<25.400
PAH ΣΣ 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 ppm w.wt +.+.+.+.+	0.240
Cu ppm w.wt +.+.+.+.+	1.170
Hg ppm w.wt +.+.+.+.+	0.010
Pb ppm w.wt +.+.+.+.+	0.430
Zn ppm w.wt +.+.+.+.+	27.333
CB28 ppb w.wt +.+.+.+.+	0.500
CB52 ppb w.wt +.+.+.+.+	0.867
CB101 ppb w.wt +.+.+.+.+	2.367
CB105 ppb w.wt +.+.+.+.+	0.867
CB118 ppb w.wt +.+.+.+.+	2.233
CB138 ppb w.wt +.+.+.+.+	2.267
CB153 ppb w.wt +.+.+.+.+	2.400
CB156 ppb w.wt +.+.+.+.+	<<0.100
CB180 ppb w.wt +.+.+.+.+	0.100
CB209 ppb w.wt +.+.+.+.+	<<0.100
CB 27 ppb w.wt +.+.+.+.+	10.733a
CB 28 ppb w.wt +.+.+.+.+	<<11.767a
DDEPP ppb w.wt +.+.+.+.+	0.800
DEPP ppb w.wt +.+.+.+.+	0.800
DD 24 ppb w.wt +.+.+.+.+	1.600
HCHA ppb w.wt +.+.+.+.+	0.167
HCHG ppb w.wt +.+.+.+.+	0.333
HC 22 ppb w.wt +.+.+.+.+	0.500
HCB ppb w.wt +.+.+.+.+	0.167
OCB ppb w.wt +.+.+.+.+	<<0.100
OCS ppb w.wt +.+.+.+.+	<<0.100
NAP ppb w.wt +.+.+.+.+	5.050
NAP2M ppb w.wt +.+.+.+.+	4.300
NAP1M ppb w.wt +.+.+.+.+	4.700
BIPN ppb w.wt +.+.+.+.+	1.700
NAPDI ppb w.wt +.+.+.+.+	4.450
NAP1M ppb w.wt +.+.+.+.+	4.150
ACNLE ppb w.wt +.+.+.+.+	0.550
ACNE ppb w.wt +.+.+.+.+	0.600
FLE ppb w.wt +.+.+.+.+	1.550
PA ppb w.wt +.+.+.+.+	4.350
ANT ppb w.wt +.+.+.+.+	0.850
PAM1 ppb w.wt +.+.+.+.+	2.850
FLU ppb w.wt +.+.+.+.+	12.850
PYR ppb w.wt +.+.+.+.+	8.950
BAA ppb w.wt +.+.+.+.+	2.600
CHR ppb w.wt +.+.+.+.+	6.450
BBF ppb w.wt +.+.+.+.+	2.800
BJKF ppb w.wt +.+.+.+.+	1.050
BEP ppb w.wt +.+.+.+.+	2.950
BAP ppb w.wt +.+.+.+.+	0.600
PER ppb w.wt +.+.+.+.+	<<0.250
ICDP ppb w.wt +.+.+.+.+	0.950
DBA3A ppb w.wt +.+.+.+.+	<<0.200
BGHIP ppb w.wt +.+.+.+.+	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 EDDU**, *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
TDEPP 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
BBJF ppb w.wt +.+.+.+.+	9.000
BEP ppb w.wt +.+.+.+.+	3.350
BAP ppb w.wt +.+.+.+.?	8.150
PER ppb w.wt +.+.+.+.?	2.500a
ICDP ppb w.wt +.+.+.+.?	1.350
DBA3A ppb w.wt +.+.+.+.?	2.850
BGHIP ppb w.wt +.+.+.+.?	0.600
	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	55.042a
CB28					0.600	4.100	1.867	1.500	1.167	1.167
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	0.267
CB180										<<0.453
CB209					0.567	0.733	<<0.317	<<0.367	0.233	<<0.100
CB27					8.067a	23.067a	<<19.453a	<<15.133a	18.867a	<<16.326a
CB28					8.067a	23.067a	<<19.453a	<<15.133a	<<20.600a	<<16.614a
DDEP1									1.067	1.067
DDEP2										2.279a
DDEP3										0.833
DDEP4										0.833
HCHA					1.867	1.500	1.200	1.533	1.900	2.237a
HCHG							0.347	0.600	0.200	0.200
HC					<<3.000a	<<5.000a	<<50.000a	0.600	0.333	<<9.880a
HCB					<<3.000a	<<5.000a	<<50.000a	0.600	0.533	<<9.913a
OCB					0.633a	0.167	0.059	<<0.100	0.167	<<0.236a
OCS									<<0.100	<<0.100
EOCL									<<0.100	<<0.100
EPOCL										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	<<5.267a	<<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	1.300	3.000a	1.800	2.900a	0.600	0.683	0.500	1.133	1.755
HCHA ppb w.wt +.+.+.+.+.+	.	.	2.367a	1.300	3.000a	1.800	2.900a	0.600	0.683	0.500	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	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	1.363	1.363
Cd ppm w.wt +...+..	0.400a	0.373a	0.208	0.208	0.327a	0.327a
Hg ppm w.wt +...+..	0.040a	0.030	0.019	0.019	0.030	0.030
Mn ppm w.wt +...+..	.	.	0.836	0.836	0.836	0.836
Pb ppm w.wt +...+..	.	.	0.235	0.235	0.235	0.235
Zn ppm w.wt +...+..	.	.	15.102	15.102	15.102	15.102
PCB ppb w.wt +...+..	50.000a	62.500a	26.667a	26.667a	46.389a	46.389a
DDTEP ppb w.wt +...+..	.	.	2.000	2.000	2.000	2.000
DDΣ4 ppb w.wt +...+..	.	.	2.000	2.000	2.000	2.000
HCB ppb w.wt +...+..	.	.	<<0.485a	<<0.485a	<<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 %	.	.	.	20.867	20.767	19.300	20.467	18.633	22.100	16.833	17.067	17.167	1.552	1.552
Fat %	.	1.297	1.193	1.397	1.667	1.233	2.130	2.013	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	0.930	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	.	.	.	.	.	.	.	.	0.177	0.177
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	0.667	0.770	0.833	0.533	1.174	1.174
CB138	1.767	1.533	1.103	0.633	0.833	<<1.012	<<1.012
CB153	1.167	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	1.100	2.117a	2.117a
DD_Σ4	.	.	3.133a	3.600a	1.667	1.600	5.367a	2.400a	0.700	0.970	0.633	0.133	0.133	0.133
HCHA	0.333	<<9.984a	<<9.984a
HCHG	<<5.000a	.	<<50.000a	0.870	0.700	0.333	<<10.006a	<<10.006a
HC_Σ2	<<5.000a	.	<<50.000a	0.870	0.700	0.467	<<0.435a	<<0.435a
HCB	.	.	2.300a	<<0.333a	0.700a	0.150	0.200	<<0.200	0.200	0.069	<<0.100	<<0.100	<<0.100	<<0.100
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)
 a/A(46)
 e/E(1)
 ! Suspect value(s)
 > Exceeds NORMAL limit.
 > Exceeds NORMAL and FOOD limits.

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 ppb w.wt +...+...+	13.000a	
	CB28 ppb w.wt +...+...+	<0.200	
	CB52 ppb w.wt +...+...+	<0.400	
	CB101 ppb w.wt +...+...+	1.200	
	CB118 ppb w.wt +...+...+	0.700	
	CB138 ppb w.wt +...+...+	1.200	
	CB153 ppb w.wt +...+...+	1.400	
	CB180 ppb w.wt +...+...+	0.180	
	CB Σ7 ppb w.wt +...+...+	<5.080a	
	CB ΣΣ ppb w.wt +...+...+	<5.080a	
	DDTEP ppb w.wt +...+...+	0.910	
	DD Σ4 ppb w.wt +...+...+	0.910	
	HCHG ppb w.wt +...+...+	0.660	
	HC Σ2 ppb w.wt +...+...+	0.660	
	HCB ppb w.wt +...+...+	0.062	
	EPOCL ppb 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 mm	30.000	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 mm	40.000	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 mm	35.667	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	2.567	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	11.900	16.230	16.230	22.450	18.867	18.867	17.067	11.133	15.467	15.467	18.200	17.267	16.675	16.675
Dry %	1.733	0.637	0.900	2.150	1.400	1.400	1.867	0.723	1.097	1.537	2.100	1.767	1.446	1.446
Fat	1.200e	0.507a	0.320a	0.318a	0.379a	0.379a	0.199	0.229	0.353a	0.130	0.227	0.293	0.357a	0.357a
Cd	1.037	0.790	0.790	s2.960a	1.056	1.056	1.297	0.936	1.297	1.267	1.863	1.243	1.186	1.186
Cu	0.090a	0.072a	0.040a	0.050a	0.047a	0.047a	0.018	0.037a	0.047a	0.023	0.027	0.030	0.044a	0.044a
Hg	0.283	0.283	0.283	2.169	0.407	0.407	0.295	0.197	0.190	0.193	0.137	0.253	0.283	0.283
Mn	0.273	15.600	20.367	17.312	21.680	21.680	17.613	17.744	25.200	25.433	25.133	27.800	0.241	0.241
Ni	40.000a	55.667a	20.333a	33.500a	13.000a	13.000a	23.000a	<<6.867	8.533	8.733	12.000a	21.388	21.388	21.388
Pb	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.958a	<<0.958a
Zn	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.209	<<0.209
PCB	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.100	<<0.100
CB28	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.100	<<0.100
CB52	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.283	<<0.283
CB101	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.577	<<0.577
CB105	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.133	<<0.133
CB118	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.677	0.677
CB138	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.945	0.945
CB153	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<1.067	<<1.067
CB156	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.100	<<0.100
CB180	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.348	<<0.348
CB209	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.133	<<0.133
CB 27	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.500	0.500
CB 28	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.500	0.500
DD 24	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.633	0.633
DD 24	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.633	0.633
DD 24	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.633	0.633
HCHA	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.233	0.233
HCHG	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	0.233	0.233
HC 22	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<9.927a	<<9.927a
HC 22	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<9.966a	<<9.966a
QCB	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<9.613a	<<9.613a
OCS	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.100	<<0.100
EPOCL	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	ppb w.wt +	<<0.100	<<0.100

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	50.000
No of Shell	50.000	50.000
Cd	ppm w.wt +	0.700e
Hg	ppm w.wt +	0.040a
PCB	ppb w.wt +	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	1:3	1:3		
No of Shell	66.667	66.333	50.000	50.000		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
ppm w.wt +.+.+.+.+	0.090	0.147	0.190	0.142		0.142
Cd	1.800	1.827	1.125	1.584		1.584
Cu	0.013	0.012	0.013	0.013		0.013
Hg	0.260	0.163	0.300	0.241		0.241
Pb	23.433	21.500	24.700	23.211		23.211
Zn	6.600	<<5.333	0.100	<<5.967		<<5.967
PCB	<<0.152	<<0.300	0.100	<<0.184		<<0.184
CB28	<<0.400	<<0.300	0.100	<<0.350		<<0.350
CB52	0.507	<<0.200	0.200	<<0.302		<<0.302
CB101			0.100	0.100		0.100
CB105			0.233	<<0.304		<<0.304
CB118	0.380	<<0.300	0.233	<<0.409		<<0.409
CB138	0.527	<<0.333	0.367	<<0.572		<<0.572
CB153	0.717	<<0.500	0.500	<<0.100		<<0.100
CB156			<<0.100	<<0.167		<<0.167
CB180	<<0.200	<<0.200	<<0.100	<<0.100		<<0.100
CB209			<<0.100	<<1.594		<<1.594
CB 27	<<2.548	<<0.733	<<1.500	<<1.627		<<1.627
CB 28	<<2.548	<<0.733	<<1.600	0.300		0.300
DDEPP	0.563	<<0.400	0.100	<<0.482		<<0.482
DDTEP			0.100	0.100		0.100
TDEPP	0.563	<<0.400	0.400	<<0.454		<<0.454
DD 24			<<0.100	<<0.100		<<0.100
HCHA			0.267	<<0.287		<<0.287
HCHG	0.227	<<0.367	0.267	<<0.320		<<0.320
HC 22	0.227	<<0.367	<<0.367	<<0.085		<<0.085
HCB	0.055	<<0.100	<<0.100	<<0.100		<<0.100
QCB			<<0.100	<<0.100		<<0.100
OCS			<<0.100	<<0.100		<<0.100
EPOCL	156.667a	<<136.667a		<<146.667a		<<146.667a
NAP			2.933	2.933		2.933
NAP2M			3.700	3.700		3.700
NAP1M			3.267	3.267		3.267
BIPN			0.800	0.800		0.800
NAPDI			1.033	1.033		1.033
NAP1M			1.633	1.633		1.633
ACNLE			0.333	0.333		0.333
ACNE			0.667	0.667		0.667
FLE			2.250	2.250		2.250
PA			3.300	3.300		3.300
ANT			3.050	3.050		3.050
PAM1			5.850	5.850		5.850
FLU			5.400	5.400		5.400
PYR			3.200	3.200		3.200
BAA			2.000	2.000		2.000
CHR			7.000	7.000		7.000
BBF			<<1.050	<<1.050		<<1.050
BJKF			4.300	4.300		4.300
BEP			2.000a	2.000a		2.000a
BAP			<<0.267	<<0.267		<<0.267
PER						

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	Mean	Mean	Mean	Mean	Mean
Param (w,d,l): No.Fo.R.I.	3:3	3:3	3:3	1:3		
Count Min:Max	66.667	66.333	66.667	66.667		66.556
No of Shell	30.667	30.000	30.000	30.000		30.222
Length.min mm	38.667	39.000	39.000	39.000		38.889
Length.max mm	35.000	34.667	34.667	34.667		34.778
Length.mean mm	2.767	2.767	2.967	2.967		2.833
Shell wght g	1.997	1.800	1.963	1.963		1.920
Tissue wght g	19.133	16.767	17.733	17.733		17.878
Dry %	1.453	1.233	1.500	1.500		1.596
Fat %	0.110	0.187	0.207	0.207		0.168
Cd ppm w.wt +.+.+.+.+.+	1.200	1.123	0.987	0.987		1.103
Cu ppm w.wt +.+.+.+.+.+	0.010	0.013	0.020	0.020		0.014
Hg ppm w.wt +.+.+.+.+.+	0.260	0.293	0.513e	0.513e		0.356
Pb ppm w.wt +.+.+.+.+.+	33.567a	26.900	25.333	25.333		28.600
Zn ppm w.wt +.+.+.+.+.+	5.733	<<5.000				<<5.367
PCB ppb w.wt +.+.+.+.+.+	<<0.187	<<0.300	<<0.100	<<0.100		<<0.196
CB28 ppb w.wt +.+.+.+.+.+	<<0.400	<<0.300	<<0.233	<<0.233		<<0.311
CB52 ppb w.wt +.+.+.+.+.+	0.463	<<0.267	<<0.133	<<0.133		<<0.288
CB101 ppb w.wt +.+.+.+.+.+			0.100	0.100		0.100
CB105 ppb w.wt +.+.+.+.+.+	0.331	<<0.400	0.200	0.200		<<0.310
CB118 ppb w.wt +.+.+.+.+.+	0.443	<<0.300	0.367	0.367		<<0.370
CB138 ppb w.wt +.+.+.+.+.+	0.627	<<0.500	0.467	0.467		<<0.531
CB153 ppb w.wt +.+.+.+.+.+	1.163	<<0.200	<<0.100	<<0.100		<<0.100
CB156 ppb w.wt +.+.+.+.+.+			<<0.100	<<0.100		<<0.488
CB180 ppb w.wt +.+.+.+.+.+			<<0.100	<<0.100		<<0.100
CB209 ppb w.wt +.+.+.+.+.+	<<3.481	<<0.967	<<1.500	<<1.500		<<1.982
CB 27 ppb w.wt +.+.+.+.+.+	<<3.481	<<0.967	<<1.600	<<1.600		<<2.016
CB 22 ppb w.wt +.+.+.+.+.+			0.400	0.400		0.400
DDEPP ppb w.wt +.+.+.+.+.+	0.570	<<0.333				<<0.452
DDTEP ppb w.wt +.+.+.+.+.+			0.233	0.233		0.233
DEPP ppb w.wt +.+.+.+.+.+	0.570	<<0.333	0.633	0.633		<<0.512
DD 24 ppb w.wt +.+.+.+.+.+			<<0.100	<<0.100		<<0.100
HCHA ppb w.wt +.+.+.+.+.+	0.147	<<0.400	0.300	0.300		<<0.282
HCHG ppb w.wt +.+.+.+.+.+	0.147	<<0.400	<<0.400	<<0.400		<<0.316
HC 22 ppb w.wt +.+.+.+.+.+	<<0.050	<<0.100	<<0.100	<<0.100		<<0.083
HCB ppb w.wt +.+.+.+.+.+			<0.100	<0.100		<0.100
QCB ppb w.wt +.+.+.+.+.+			<<0.100	<<0.100		<<0.100
OCS ppb w.wt +.+.+.+.+.+	240.000a	290.000a				265.000a
EPOCL ppb w.wt ?.....						

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 ppm w.wt +...+..	11.860e	1.913e	9.583e	5.373e	5.373e	7.183e	5.373e	7.183e
Cu ppm w.wt +...+..	1.137	1.400	12.933a	1.363	1.363	4.208a	1.363	4.208a
Hg ppm w.wt +...+..	0.264a	0.060a	0.468e	0.130a	0.130a	0.230a	0.130a	0.230a
Pb ppm w.wt +...+..	13.243e	2.193e	40.367e	22.367e	22.367e	19.543e	22.367e	19.543e
Zn ppm w.wt +...+..	109.667e	51.333e	56.200e	48.600a	48.600a	66.450e	48.600a	66.450e
PCB ppb w.wt +...+..	9.000	5.600	.	.	.	7.300	.	7.300
CB28 ppb w.wt +...+..	<<0.100	0.098	.	<<0.100	<<0.100	<<0.099	<<0.100	<<0.099
CB52 ppb w.wt +...+..	<<0.100	0.310	.	<<0.150	<<0.150	<<0.187	<<0.150	<<0.187
CB101 ppb w.wt +...+..	0.567	0.250	.	<<0.100	<<0.100	<<0.306	<<0.100	<<0.306
CB105 ppb w.wt +...+..	.	.	.	0.100	0.100	0.100	0.100	0.100
CB118 ppb w.wt +...+..	0.500	0.380	.	0.233	0.233	0.371	0.233	0.371
CB138 ppb w.wt +...+..	1.367	0.640	.	0.400	0.400	0.802	0.400	0.802
CB153 ppb w.wt +...+..	<<2.100	0.670	.	0.467	0.467	<<1.079	0.467	<<1.079
CB156 ppb w.wt +...+..	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
CB180 ppb w.wt +...+..	0.433	0.530	.	<<0.100	<<0.100	<<0.354	<<0.100	<<0.354
CB209 ppb w.wt +...+..	<<5.100a	2.878	.	<<1.450	<<1.450	<<3.143	<<1.450	<<3.143
CB_Σ7 ppb w.wt +...+..	<<5.100a	2.878	.	<<1.550	<<1.550	<<3.176	<<1.550	<<3.176
CB_ΣΣ ppb w.wt +...+..	.	.	.	1.600	1.600	1.600	1.600	1.600
DDEPP ppb w.wt +...+..	5.667a	4.600a	.	.	.	5.133a	.	5.133a
DTEP ppb w.wt +...+..	.	.	.	0.967	0.967	0.967	0.967	0.967
TDEPP ppb w.wt +...+..	5.667a	4.600a	.	2.567a	2.567a	4.278a	2.567a	4.278a
DD_Σ4 ppb w.wt +...+..	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
HCHA ppb w.wt +...+..	<<50.000a	0.200	.	0.133	0.133	<<16.778a	0.133	<<16.778a
HCHG ppb w.wt +...+..	<<50.000a	0.200	.	<<0.233	<<0.233	<<16.811a	<<0.233	<<16.811a
HC_Σ2 ppb w.wt +...+..	0.300a	0.073	.	<<0.100	<<0.100	<<0.158	<<0.100	<<0.158
HCB ppb w.wt +...+..	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
QCB ppb w.wt +...+..	.	.	.	<<0.100	<<0.100	<<0.100	<<0.100	<<0.100
OCS ppb w.wt +...+..	2200.000	.	.	.	.	2200.000	.	2200.000
EOCL ppb w.wt +...+..	180.000a	340.000a	.	.	.	260.000a	.	260.000a
EPOCL ppb w.wt ?	.	.	.	.	.	.	.	.

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

Species : **MYTI EDU**, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.
 Sample.area: **J63 Sørforjorden**, Tissue : **Whole SOFT BODY**.
 Locality : **56A Kvalnes**, Latitude: 60°13.40N, Longitude: 06°36.10E.

Date	870902	881006	890929	901101	911002	920906	Mean	Mean
Param (w,d,l): No.Fo.Ri.	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Count Min:Max	2:3	3:6	3:3	3:3	3:3	1:3		
No of Shell	53.333	32.556	68.000	63.000	66.667	66.667	58.370	58.370
Length.min mm	30.000	30.778	30.000	30.667	30.000	30.333	30.296	30.296
Length.max mm	39.000	39.000	38.667	38.667	39.000	39.000	38.889	38.889
Length.mean mm	34.333	34.556	34.667	34.333	34.667	34.333	34.481	34.481
Shell wght g	1.733	1.411	1.933	1.567	1.833	1.633	1.685	1.685
Tissue wght g	1.540	1.521	1.133	1.057	1.107	1.057	1.169	1.169
Dry %	15.680	15.263	12.800	15.267	13.067	10.500	13.763	13.763
Fat %	5.553	5.553	0.783	1.093	1.200	1.000	1.926	1.926
Cd ppm w.wt +.+.+.+.+	8.962e	78.243e	13.433e	4.860e	8.687e	6.203e	?8.398e	?8.398e
Cu ppm w.wt +.+.+.+.+	1.297	71.166	1.077	0.833	1.060	0.780	?1.036	?1.036
Hg ppm w.wt +.+.+.+.+	0.078a	70.059a	0.146a	0.077a	0.207a	0.113a	70.113a	70.113a
Pb ppm w.wt +.+.+.+.+	22.307e	73.279e	8.210e	2.393e	3.107e	12.700e	?8.666e	?8.666e
Zn ppm w.wt +.+.+.+.+	125.012e	761.101e	149.000e	72.033e	61.300e	52.600e	?86.841e	?86.841e
PCB ppm w.wt +.+.+.+.+		9.967	8.600	9.433	<<6.000		<<8.500	<<8.500
CB28 ppm w.wt +.+.+.+.+		<<0.087	<<0.367	<<0.200	<<0.300	<<0.100	<<0.211	<<0.211
CB52 ppm w.wt +.+.+.+.+		<<0.616	<<0.433	<<0.370	<<0.300	<<0.167	<<0.377	<<0.377
CB101 ppm w.wt +.+.+.+.+		<<0.015	1.033	0.527	0.433	<<0.133	<<0.428	<<0.428
CB105 ppm w.wt +.+.+.+.+						0.100	0.100	0.100
CB118 ppm w.wt +.+.+.+.+			0.867	0.490	<<0.400	0.167	<<0.481	<<0.481
CB138 ppm w.wt +.+.+.+.+		1.432	1.833	0.790	<<0.300	0.333	<<0.938	<<0.938
CB153 ppm w.wt +.+.+.+.+		0.642	2.067	0.860	<<0.533	0.333	<<0.887	<<0.887
CB156 ppm w.wt +.+.+.+.+						<<0.100	<<0.100	<<0.100
CB180 ppm w.wt +.+.+.+.+		<<0.015	0.433	2.497	<<0.200	<<0.100	<<0.649	<<0.649
CB209 ppm w.wt +.+.+.+.+						<<0.100	<<0.100	<<0.100
CB 27 ppm w.wt +.+.+.+.+		<<2.782	<<7.000a	<<5.600a	<<1.400	<<1.233	<<3.603	<<3.603
CB 28 ppm w.wt +.+.+.+.+		<<2.782	<<7.000a	<<5.600a	<<1.400	<<1.367	<<3.630	<<3.630
DDEPP ppm w.wt +.+.+.+.+						4.800a	4.800a	4.800a
DD 24 ppm w.wt +.+.+.+.+		52.979a	24.000a	21.667a	11.700a	3.800a	27.587a	27.587a
HCHA ppm w.wt +.+.+.+.+		52.979a	24.000a	21.667a	11.700a	3.800a	3.800a	3.800a
HCHG ppm w.wt +.+.+.+.+			<<50.000a	0.250	<<0.300	<<0.100	23.789a	23.789a
HC 22 ppm w.wt +.+.+.+.+		<<0.030	<<50.000a	0.250	<<0.300	<<0.200	<<12.663a	<<12.663a
QCB ppm w.wt +.+.+.+.+			0.100	0.062	<<0.100	<<0.100	<<0.078	<<0.078
OCS ppm w.wt +.+.+.+.+						<<0.100	<<0.100	<<0.100
EPOCL ppm w.wt ?		1110.000a	203.333a	236.667a	190.000a	435.000a	435.000a	435.000a
NAP ppm w.wt						5.400	5.400	5.400
NAP2M ppm w.wt						5.500	5.500	5.500
NAP1M ppm w.wt						4.600	4.600	4.600
BIPN ppm w.wt						1.100	1.100	1.100
NAPD1 ppm w.wt						2.200	2.200	2.200
NAP1M ppm w.wt						1.600	1.600	1.600
ACNLE ppm w.wt						0.300	0.300	0.300
ACNE ppm w.wt						0.500	0.500	0.500
FLE ppm w.wt						4.800	4.800	4.800
PA ppm w.wt						0.300	0.300	0.300
ANT ppm w.wt						1.200	1.200	1.200
PAM1 ppm w.wt						14.200	14.200	14.200
FLU ppm w.wt						0.900	0.900	0.900
PYR ppm w.wt						18.000	18.000	18.000
BAA ppm w.wt						22.000	22.000	22.000
CHR ppm w.wt						8.500	8.500	8.500
BBF ppm w.wt						2.600	2.600	2.600
BJKF ppm w.wt						5.100	5.100	5.100
BEP ppm w.wt ?						1.400a	1.400a	1.400a
BAP ppm w.wt						<0.200	<0.200	<0.200

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
BGH1P	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	50.000	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	1.583	1.583
Tissue	wght g	1.283	1.127	1.713	1.073	1.343	1.343	1.343	1.030	1.030	1.262	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	1.200	1.200	1.288	1.288	1.333	1.333	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	4.695e	4.695e
Cu	ppm w.wt	1.196	1.105	0.807	0.867	0.923	0.873	0.923	0.873	0.923	0.962	0.962
Hg	ppm w.wt	0.027	0.035a	0.038a	0.067a	0.097a	0.070a	0.070a	0.055a	0.055a	0.055a	0.055a
Pb	ppm w.wt	4.956e	5.631e	1.807e	2.043e	1.457e	4.323e	4.323e	3.370e	3.370e	3.370e	3.370e
Zn	ppm w.wt	69.453e	52.457e	59.133e	87.967e	35.000a	33.133a	33.133a	56.190e	56.190e	56.190e	56.190e
PCB	ppb w.wt			5.700		5.000			<<5.350	<<5.350	<<5.350	<<5.350
CB28	ppb w.wt			0.300		0.300			<<0.233	<<0.233	<<0.233	<<0.233
CB52	ppb w.wt			<<0.100		<<0.100			<<0.189	<<0.189	<<0.189	<<0.189
CB101	ppb w.wt			0.833		0.833			<<0.378	<<0.378	<<0.378	<<0.378
CB105	ppb w.wt								<<0.100	<<0.100	<<0.100	<<0.100
CB118	ppb w.wt			0.300		0.300			<<0.222	<<0.222	<<0.222	<<0.222
CB138	ppb w.wt			0.900		0.900			<<0.467	<<0.467	<<0.467	<<0.467
CB153	ppb w.wt			1.233		1.233			<<0.644	<<0.644	<<0.644	<<0.644
CB156	ppb w.wt								<<0.100	<<0.100	<<0.100	<<0.100
CB180	ppb w.wt								<<0.211	<<0.211	<<0.211	<<0.211
CB209	ppb w.wt			0.333		0.333			<<0.100	<<0.100	<<0.100	<<0.100
CB Σ7	ppb w.wt			<<4.000		<<4.000			<<1.811	<<1.811	<<1.811	<<1.811
CB ΣΣ	ppb w.wt			<<4.000		<<4.000			<<1.833	<<1.833	<<1.833	<<1.833
DDEPP	ppb w.wt								3.567a	3.567a	3.567a	3.567a
DDTEP	ppb w.wt								10.083a	10.083a	10.083a	10.083a
TDEPP	ppb w.wt			11.667a		11.667a			2.400a	2.400a	2.400a	2.400a
DD Σ4	ppb w.wt								8.711a	8.711a	8.711a	8.711a
HCHA	ppb w.wt								<<0.100	<<0.100	<<0.100	<<0.100
HCHG	ppb w.wt			<<50.000a		<<50.000a			<<16.822a	<<16.822a	<<16.822a	<<16.822a
HC Σ2	ppb w.wt			<<50.000a		<<50.000a			<<0.267	<<0.267	<<0.267	<<0.267
HCB	ppb w.wt								<<0.111	<<0.111	<<0.111	<<0.111
QCB	ppb w.wt								<<0.100	<<0.100	<<0.100	<<0.100
OCS	ppb w.wt								<<0.100	<<0.100	<<0.100	<<0.100
EPOCL	ppb w.wt ?					263.333a		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	3:3	1:3	3:3	3:3	1:3	1:3	2:3	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	30.000	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	35.333	34.333	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	1.003	0.997	0.997	1.233	1.233	1.178
Dry %		15.067	15.803	18.200	12.433	12.433	12.433	10.633	10.633	13.600	13.600	14.289
Fat %				1.690				1.000	1.000	1.300	1.300	1.330
Cd	ppm w.wt	5.833e	2.324e	3.360e	3.193e	3.867e	3.867e	3.867e	3.867e	2.380e	2.380e	3.493e
Cu	ppm w.wt	1.507	1.002	0.880	0.800	0.800	0.800	1.150	1.150	0.810	0.810	1.025
Hg	ppm w.wt	0.046a	0.027	0.032a	0.050a	0.050a	0.050a	0.051a	0.051a	0.043a	0.043a	0.042a
Pb	ppm w.wt	15.375e	1.453e	1.113e	1.317e	1.317e	1.317e	1.237e	1.237e	2.113e	2.113e	3.768e
Zn	ppm w.wt	85.579e	42.936a	44.667a	57.767e	57.767e	57.767e	43.167a	43.167a	26.900	26.900	50.169e
PCB	ppb w.wt			4.867				<5.000	<5.000			<<4.933
CB28	ppb w.wt			0.367				<0.300	<0.300	0.100	0.100	<<0.256
CB52	ppb w.wt			<<0.100				<0.300	<0.300	0.200	0.200	<<0.200
CB101	ppb w.wt			0.233				<0.200	<0.200	<<0.100	<<0.100	<<0.178
CB105	ppb w.wt									0.100	0.100	0.100
CB118	ppb w.wt			0.333				<0.200	<0.200	0.100	0.100	<<0.211
CB138	ppb w.wt			0.733				<0.300	<0.300	0.150	0.150	<<0.394
CB153	ppb w.wt			1.567				<0.500	<0.500	0.200	0.200	<<0.756
CB156	ppb w.wt									<<0.100	<<0.100	<<0.100
CB180	ppb w.wt			0.333				<0.200	<0.200	<<0.100	<<0.100	<<0.211
CB209	ppb w.wt									<<0.100	<<0.100	<<0.100
CB Σ7	ppb w.wt			<<3.667				<0.500	<0.500	<<0.900	<<0.900	<<1.689
CB ΣΣ	ppb w.wt			<<3.667				<0.500	<0.500	<<1.000	<<1.000	<<1.722
DDEPP	ppb w.wt									1.750	1.750	1.750
DDTEP	ppb w.wt			4.833a				1.300	1.300			3.067a
DEPP	ppb w.wt									0.950	0.950	0.950
DD Σ4	ppb w.wt			4.833a				1.300	1.300	2.700a	2.700a	2.944a
HCHA	ppb w.wt									<<0.100	<<0.100	<<0.100
HCHG	ppb w.wt			<<50.000a				<0.300	<0.300	0.200	0.200	<<16.833a
HC Σ2	ppb w.wt			<<50.000a				<0.300	<0.300	<<0.300	<<0.300	<<16.867a
HCB	ppb w.wt			0.167				<0.100	<0.100	<<0.100	<<0.100	<<0.122
OCS	ppb w.wt											<<0.100
EOCL	ppb w.wt			4600.000								4600.000
EPOCL	ppb w.wt			340.000a				250.000a	250.000a			295.000a

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	
DDTEP			3.919a		4.233a		2.247a		1.667		3.016a	
TDEPP											0.800	
DD_24			3.919a		4.233a		2.247a		1.667		1.967	
HCHA											2.806a	
HCHG					<<50.000a		<<0.290		<<0.300		<<0.100	
HC_22					<<50.000a		<<0.290		<<0.300		0.233	
HCB			<<0.040		0.133		0.080		<<0.100		<<0.100	
QCB											<<0.100	
OCS											<<0.100	
EPOCL			1513.333a		450.000a		336.667a		340.000a		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	2:2	2:2	2:2
No of Shell		50.000	47.000	49.500	36.333	101.000	75.000	66.333	35.000	57.521	26.396	35.000	25.000	25.000	34.000	30.042
Length.min	mm	28.000	25.500	26.000	30.000	20.000	27.000	29.667	40.000	30.000	30.000	35.000	29.000	29.000	2.055	1.017
Length.max	mm	40.000	33.500	33.500	37.667	28.000	34.500	40.000	35.000	2.967	1.167	17.433	19.300	18.588	1.293	0.225
Length.mean	mm	33.000	29.000	28.500	33.333	22.000	30.500	35.000	2.967	0.600	0.945	1.465	0.235	1.385	1.385	<<0.016
Shell weight g		1.420	0.810	0.775	1.327	0.530	0.945	1.167	1.167	1.167	1.160	1.167	1.160	1.160	1.160	0.636
Tissue wght g		17.700	18.650	15.250	16.667	25.000	18.700	17.433	19.300	18.588	1.293	0.225	1.385	1.385	1.385	<<0.016
Dry %		0.700	0.850	0.850	1.063	2.830	1.465	0.220	0.235	0.220	0.235	0.220	0.235	0.235	0.235	0.235
Fat %	ppm w.wt +...+..	0.250	0.217	0.353a	0.193	0.100	0.235	1.400	2.203a	1.325	1.325	1.325	1.325	1.325	1.325	1.325
Cu	ppm w.wt +...+..	1.130	s2.114a	0.811	0.811	1.443	1.400	2.203a	1.325	1.325	1.325	1.325	1.325	1.325	1.325	1.325
Hg	ppm w.wt +...+..	0.009	0.021	0.026	<<0.012	0.030	0.013	0.012	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Mn	ppm w.wt +...+..	0.620	0.653	0.280	0.225	0.180	0.205	0.237	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
Pb	ppm w.wt +...+..	s0.020	0.201	20.121	18.719	19.025	24.150	24.600	23.800	23.800	23.800	23.800	23.800	23.800	23.800	23.800
Zn	ppm w.wt +...+..	22.400	19.808	11.850a	8.667	4.000	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150
PCB	ppb w.wt +...+..	36.000a	<<18.000a	11.850a	8.667	4.000	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150
CB28	ppb w.wt +...+..															
CB52	ppb w.wt +...+..															
CB101	ppb w.wt +...+..															
CB118	ppb w.wt +...+..															
CB138	ppb w.wt +...+..															
CB153	ppb w.wt +...+..															
CB180	ppb w.wt +...+..															
CB_Σ7	ppb w.wt +...+..															
CB_ΣΣ	ppb w.wt +...+..															
DDTEP	ppb w.wt +...+..	1.900	<<1.500	<<0.500	1.667	1.100	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
DD_Σ4	ppb w.wt +...+..	1.900	<<1.500	<<0.500	1.667	1.100	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
HCHG	ppb w.wt +...+..															
HCB_Σ2	ppb w.wt +...+..															
HCB	ppb w.wt +...+..															
EPOCL	ppb w.wt +...+..	0.400a	2.000a	<<0.100	0.100	<0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	ppb w.wt ?			295.000a	113.333a	130.000a	275.000a	275.000a	275.000a	275.000a	275.000a	275.000a	275.000a	275.000a	275.000a	275.000a

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.

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
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 wght 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	20.000	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 wght g	0.200	0.300	0.600	0.500	0.600	1.100	1.000	0.500	0.657
Tissue wght 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	0.850	s1.171	3.618a	1.820	1.400	1.420	1.160	1.711
Cu ppm w.wt +...+..	0.033a	0.010	0.010	<0.009	0.057a	0.011	0.011	0.010	<0.020
Hg ppm w.wt +...+..	0.660	1.346	0.104	0.180	0.259	0.170	0.190	0.160	1.003
Mn ppm w.wt +...+..	s0.020	0.267	6.253	18.360	22.890	23.000	22.800	21.000	18.979
Pb ppm w.wt +...+..	18.600	18.931	0.104	0.180	0.180	0.170	0.190	0.160	0.190
Zn ppm w.wt +...+..	18.600	18.931	6.253	18.360	22.890	23.000	22.800	21.000	18.979
PCB ppb w.wt +...+..					4.700	5.700			5.200
CB28 ppb w.wt +...+..					0.100	0.400			0.250
CB52 ppb w.wt +...+..					0.300	<0.100			<<0.200
CB101 ppb w.wt +...+..					<0.100	0.500			<<0.300
CB118 ppb w.wt +...+..					0.300	0.900			0.200
CB138 ppb w.wt +...+..					<0.100	0.800			0.600
CB153 ppb w.wt +...+..					<0.100	0.200			<<0.450
CB180 ppb w.wt +...+..					<0.800	<3.100			<<0.150
CB 27 ppb w.wt +...+..					0.800	0.700			<<1.950
CB 22 ppb w.wt +...+..					0.800	0.700			<<1.950
DDTEP ppb w.wt +...+..					0.800	0.700			0.750
DD 24 ppb w.wt +...+..					<5.000a	<50.000a			0.750
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	
TCB 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
	BGHP 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
	TDEPP 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	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
	IC 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 Σ 26	ppb w.wt	18.150
P Σ 20	ppb w.wt	<<7.050
PK Σ 27	ppb w.wt	<<1.250
PAH Σ 2	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
	HCHG 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
	NAP1M 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 Σ7	ppb w.wt	<<1.550
PAHΣΣ	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 +.+.+.+.+	0.150
	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
	QCB 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 Brunvør**, 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	1.955	1.418	1.418
Tissue wght g	26.900	26.900	0.300	0.300	24.100	24.100
Dry %	0.049	0.049	0.016	0.016	1.295	1.295
Fat %	11.200	11.200	7.040	7.040	0.032	0.032
Cd	0.094	0.094	0.172	0.172	9.120	9.120
Cu	0.720	0.720	<<0.050	<<0.050	0.133	0.133
Hg	12.900	12.900	10.550	10.550	11.725	11.725
Mn	160.000	160.000	<<0.100	<<0.100	160.000	160.000
Pb			<<0.100	<<0.100	<<0.100	<<0.100
Zn			0.500	0.500	0.500	0.500
PCB			0.350	0.350	0.850	0.850
CB28			1.050	1.050	1.050	1.050
CB52			1.100	1.100	1.100	1.100
CB101			0.300	0.300	0.300	0.300
CB105			<<0.100	<<0.100	<<0.100	<<0.100
CB118			<<3.950	<<3.950	<<3.950	<<3.950
CB138			<<4.400	<<4.400	<<4.400	<<4.400
CB153			0.150	0.150	0.150	0.150
CB156			3.000	3.000	3.000	3.000
CB180			<<0.100	<<0.100	<<0.100	<<0.100
CB209			<<0.100	<<0.100	<<0.100	<<0.100
CB27			<<3.950	<<3.950	<<3.950	<<3.950
CB28			<<4.400	<<4.400	<<4.400	<<4.400
DDEPP			0.150	0.150	0.150	0.150
DDTEP			3.000	3.000	3.000	3.000
TDEPP			<<0.100	<<0.100	<<0.100	<<0.100
DD24			<<0.250	<<0.250	<<1.625	<<1.625
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
HCB			<<0.100	<<0.100	<<1.050	<<1.050
QCB			<<0.100	<<0.100	<<0.100	<<0.100
OCS			5.250	5.250	<<0.100	<<0.100
NAP			2.200	2.200	2.200	2.200
MAP2M			1.650	1.650	1.650	1.650
NAP1M			0.750	0.750	0.750	0.750
BIPN			0.350	0.350	0.350	0.350
NAPDI			<<0.200	<<0.200	<<0.200	<<0.200
NAP1M			<<0.200	<<0.200	<<0.200	<<0.200
ACNLE			<<0.200	<<0.200	<<0.200	<<0.200
ACNE			<<0.200	<<0.200	<<0.200	<<0.200
FLE			<<0.200	<<0.200	<<0.200	<<0.200
PA			0.500	0.500	0.500	0.500
ANT			<<0.200	<<0.200	<<0.200	<<0.200
PAM1			0.400	0.400	0.400	0.400
FLU			0.800	0.800	0.800	0.800
PYR			<<0.200	<<0.200	<<0.200	<<0.200
BAA			0.500	0.500	0.500	0.500
CHR			<<0.200	<<0.200	<<0.200	<<0.200
BBF			<<0.200	<<0.200	<<0.200	<<0.200
BJKF			<<0.200	<<0.200	<<0.200	<<0.200
BEP			0.400	0.400	0.400	0.400
BAP			<<0.200	<<0.200	<<0.200	<<0.200
PER			<<0.200	<<0.200	<<0.200	<<0.200
ICDP			<<0.200	<<0.200	<<0.200	<<0.200
DBA3A			<<0.200	<<0.200	<<0.200	<<0.200
BGHP			<<0.200	<<0.200	<<0.200	<<0.200
COR			<<0.200	<<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 Homleststrand-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	100.000
Length.min mm	80.000	.	.	.	80.000	80.000
Length.max mm	120.000	.	.	.	120.000	120.000
Length.mean mm	100.000	.	.	.	100.000	100.000
Shell wght g	.	4.200	4.200	.	4.200	4.200
Tissue wght g	.	3.470	3.470	3.340	3.405	3.405
Dry %	0.900	28.600	24.950	26.775	26.775	26.775
Fat %	0.011	1.710	0.795	1.135	1.135	1.135
Cd ppm w.wt	.	0.054c	<<0.010	<<0.025	<<0.025	<<0.025
Cu ppm w.wt	.	19.162	13.000	16.081	16.081	16.081
Hg ppm w.wt	0.110	0.132	0.145	0.129	0.129	0.129
Pb ppm w.wt	.	0.275	0.220	0.247	0.247	0.247
Zn ppm w.wt	.	16.960	15.850	16.405	16.405	16.405
PCB ppb w.wt	19.000	27.000	12.050	19.350	19.350	19.350
CB28 ppb w.wt	.	<0.100	<<0.200	<<0.150	<<0.150	<<0.150
CB52 ppb w.wt	.	<0.100	<<0.400	<<0.250	<<0.250	<<0.250
CB101 ppb w.wt	.	0.500	0.530	0.515	0.515	0.515
CB118 ppb w.wt	.	.	0.660	0.660	0.660	0.660
CB138 ppb w.wt	.	6.200	1.050	3.625	3.625	3.625
CB153 ppb w.wt	.	6.700	1.600	4.150	4.150	4.150
CB180 ppb w.wt	.	1.100	0.890	0.995	0.995	0.995
CB-Σ7 ppb w.wt	.	<14.600	<<5.130	<<9.865	<<9.865	<<9.865
CB-Σ2 ppb w.wt	.	<14.600	<<5.130	<<9.865	<<9.865	<<9.865
DDTEP ppb w.wt	.	1.400	0.225	0.813	0.813	0.813
DD-Σ4 ppb w.wt	.	1.400	0.225	0.813	0.813	0.813
HCHG ppb w.wt	.	.	<<0.100	<<0.100	<<0.100	<<0.100
HC-Σ2 ppb w.wt	.	<0.200	0.170	<<0.185	<<0.185	<<0.185
HCB ppb w.wt	.	.	.	.	.	.
EPoCL ppb w.wt	.	490.000	1900.000	1195.000	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: Prawns, 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: Prawns, 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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