WEST COAST DATA INVENTORY AND APPRAISAL
VOLUME 3 (PART 1)
Dixon Entrance, Hecate Strait, Queen Charlotte Sound and Adjoining B.C. Coastal Waters: Chemical Oceanography - 1937 through 1984

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CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 37

Fisheries and Oceans Pêches et Océans

Canada

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences,* Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques,* la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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PREFACE

In managing Canadian West Coast waters, there is a fundamental requirement to review the sufficiency and suitability of the available scientific data for many purposes such as engineering design, regulation, assessment, planning, research and monitoring. We consider this review to consist of three phases: (i) the search, gathering, cataloguing, mapping and methods appraisal of all existing data sets; (ii) the actual scrutiny of the historic data themselves and the judgement of their usefulnesss in answering the management questions; and (iii) the analysis and interpretation of the best of these data.

This catalogue which indexes the physical oceanographic data of Queen Charlotte Sound, Hecate Strait and Dixon Entrance is considered a major contribution to phase (i). The catalogue or "data index" has been produced by the Ocean Information Division at the Institute of Ocean Sciences, Department of Fisheries and Oceans as part of the Data Compilation and Appraisal Program. Contract projects, supervised by government scientists and funded by numerous federal agencies, have compiled all known marine data sets which contain oceanographic data obtained in the surveyed areas. Evaluation of the data set quality has been carried out by careful examination of the documentation for methodologies used in sampling, storage and analysis.

It is our hope that this catalogue will assist you, both in establishing the usefulness of existing data for whatever particular purpose contemplated, and in assessing the confidence to be placed in the interpretations. In addition, this catalogue should aid in setting priorities for archiving large quantities of data into the Department's Marine Environmental Data Service (MEDS) in Ottawa.

Dr. Larry Giovando
Mr. Brian Smiley
Scientific Coordinators
Canadian West Coast Compilation and Appraisal Series

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Can. Data Rep. Hydrogr. Ocean Sci. 37: (Volume 3, Part 1, 278 pp., Part 2, 248 pp.)

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ABSTRACT

Thomas, D.J., R.W. Macdonald and A.G. Francis. 1986. West Coast Data Inventory and Appraisal. Volume 3. Dixon Entrance, Hecate Strait, Queen Charlotte Sound and adjoining B.C. Coastal Waters: Chemical Oceanography, 1937 through 1984.

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This volume is one of a group of catalogues designed to inventory and appraise marine data sets collected in waters off the West Coast of Canada. For user convenience, the group has been organized with its subject matter divided into three disciplines: physics, chemistry and biology. The format throughout has been structured to facilitate comparison between subjects and regions. With such a large undertaking it is not possible to provide all reports at once; the present volume deals with chemistry only.

Data collection is a continuing process and further updates of the inventories are planned. Readers are requested to submit corrections and additions by writing the issuing establishment. Such corrections will be incorporated in on-line computerized data set listings, and they will be continuously available upon request.

Key Words: British Columbia, Dixon Entrance, Hecate Strait, Queen Charlotte Sound, inventory, dissolved oxygen, nutrients, heavy metals, hydrocarbons, chlorinated hydrocarbons, suspended particulate matter, sediments, biota.

SOMMAIRE

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Le présent volume fait partie d'un groupe de catalogues destinés à faire l'inventoire de et à évaluer les séries de données marines sur la côte ouest du Canada. Pour plus de commodité, la question traitée est structurée en trois grandes disciplines: physique, chimie et biologie. Les catalogues sont présentés de façon à faciliter la comparaison entre les sujets et les régions. Le domaine est si vaste qu'il est impossible de fournier tous les catalogues en une seule fois; le présent volume traite seulement la chimie.

La collecte des données est un processus permanent et il est prévu de mettre à jour ces inventoires par la suite. Les lecteurs sont invités à soumettre par écrit les corrections et les additions à l'établissement auteur. Ces corrections seront traitées en direct sur ordinateur et incorporées aux listes qui pourront être obtenus sur demande.

Mots-cles: Colombie-Britanique, Dixon Entrance, Hecate Strait, Queen Charlotte Sound, inventoire, oxygène dissous, nourrissants, métaux lourds, hydrocarbures, hydrocarbures chlores, macroparticules, sédiments, biocenoses

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WEST COAST DATA INVENTORY AND APPRAISAL

VOLUME 3 (PART 1)

Dixon Entrance, Hecate Strait, Queen Charlotte Sound and Adjoining B.C. Coastal Waters: Chemical Oceanography

Volume No 3: Dixon Entrance - Hecate Strait - Queen Charlotte Sound and Adjoining B.C. Coastal Waters: Chemical Oceanography

VOLUME ABSTRACT

This inventory contains a catalogue of chemical oceanographic data sets from British Columbia coastal waters from Dixon Entrance through Hecate Strait to Queen Charlotte Sound. The inventory includes commonly- measured substances such as dissolved oxygen, major and minor elemental components, nutrients and less frequently measured substances such as trace elements, hydrocarbons and chlorinated hydrocarbons. Suspended particulate matter (although not a truly chemical quantity) is also included. Data sets are included for sea water, sediments and biota. Times and locations of measurements are listed and displayed graphically on a yearly and cumulative bi-monthly basis. A geographical index and alphabetical references (by data set number) are also included.

Key Words: British Columbia, Dixon Entrance, Hecate Strait, Queen Charlotte Sound, chemical oceanography, data sets, inventory, dissolved oxygen, nutrients, heavy metals, hydrocarbons, chlorinated hydrocarbons, suspended particulate material, sediments, biota.

1. INTRODUCTION

This inventory comprises 138 data sets of chemical oceanographic data collected in the marine channels of Dixon Entrance to Queen Charlotte Sound during the period 1937 -1984. The quantity and type of data are distributed irregularly over this time period with the bulk of the data collection occurring after 1970 as shown in Figure 1.

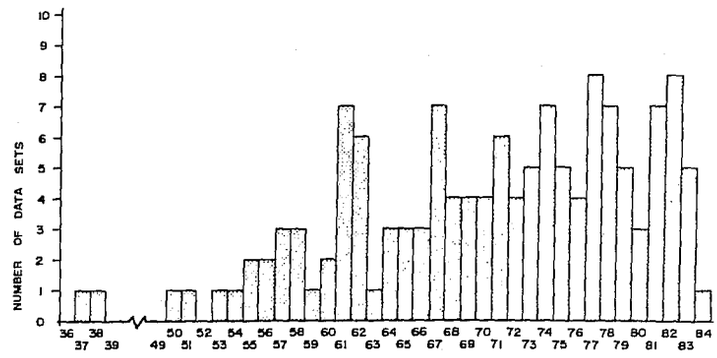

Figure 1 Yearly distribution of chemical oceanographic data sets for Dixon Entrance to Queen Charlotte Sound.

The objective of this inventory was to compile all available chemical oceanographic data sets from coastal British Columbia Waters between Dixon Entrance and Queen Charlotte Sound into a single data bank and to appraise the quality of the data so as to obtain, for the first time, a broader perspective on what is currently known about the chemical oceanography of the study area.

The inventory is ongoing. As new data and previously inaccessible data become available, they will be added to a computerized data base maintained at the Institute of Ocean Sciences, Sidney, B.C. Information about new data sets, older data sets which do not appear in this inventory or errors in this inventory, should be submitted in writing to the Institute of Ocean Sciences.

The following sections contain the rationale for organizing the data as it appears in the tables. Wherever possible, formats were adopted that were consistent with those used in the companion inventory series for the Canadian Arctic.

2. STUDY AREA

The study area (Figure 2) is bounded on the north by the international boundary between Canada and the U.S.A.; on the west by a line extending from Cape Muzon on Dall Island across Dixon Entrance to Langara Point on Langara Island then to Cape Knox on Graham Island the east coast line of the Queen Charlotte Islands between Cape Knox and Cape St. James and a line extending from Cape St. James to Cape Scott at the northern tip of Vancouver Island; on the south by a line extending from Cape Scott east to the southern extremity of Bramham Island just south of Seymour inlet; and on the east by mainland British Columbia. All coastal inlets opening onto Hecate Strait and Queen Charlotte Sound within the northern and southern boundaries are included in the study area. Thus Seymour Inlet in the south and Portland Canal in the north are included in the study area.

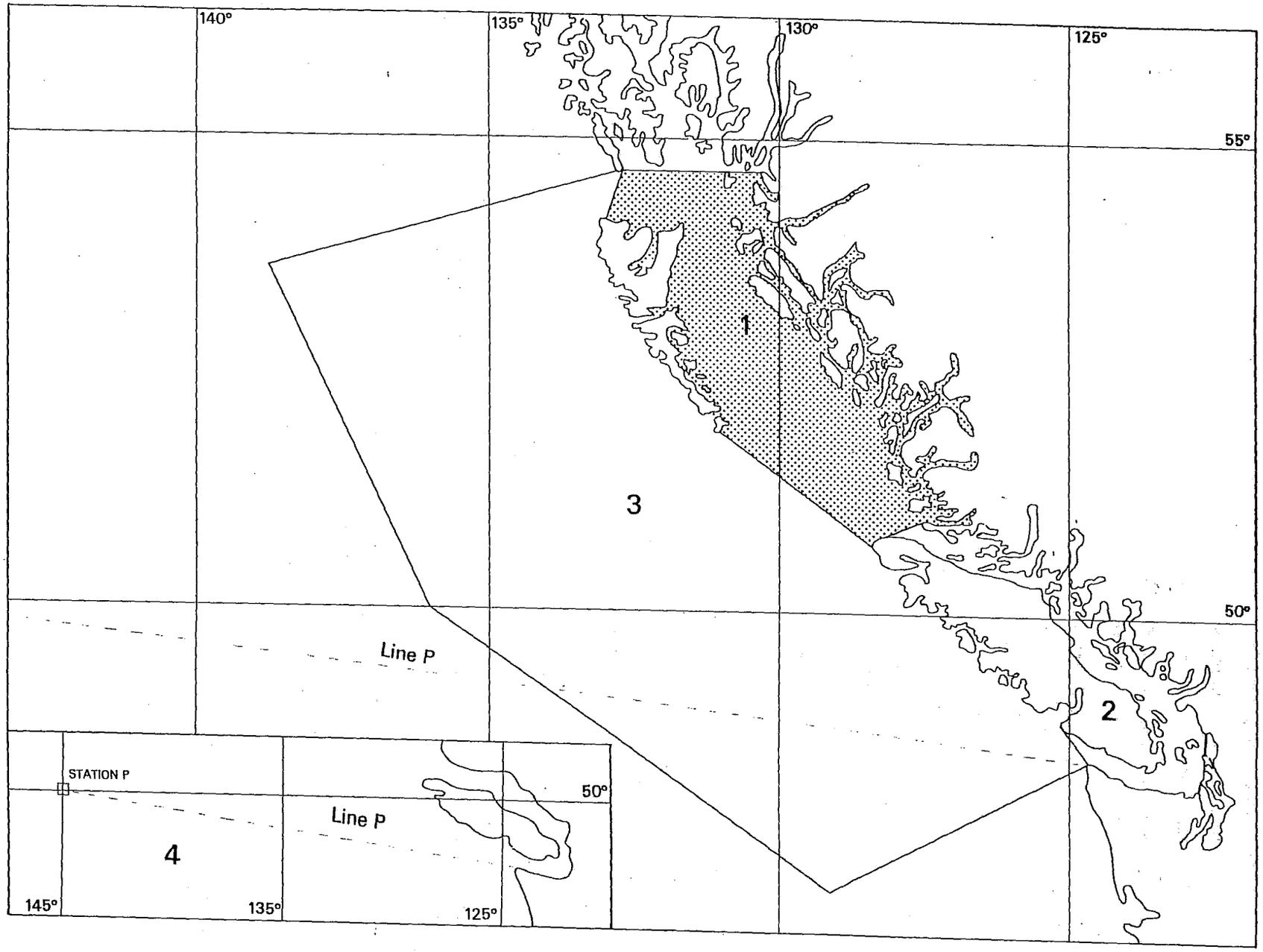

Figure 2. The area (1) covered by this volume is shaded.

The study area comprises mainly the Queen Charlotte Basin which extends approximately 400 km from Hecate Strait in the north along a northwest-southeast direction to the north end of Vancouver Island in the south; the basin is about 100 km wide. Queen Charlotte Basin is bounded on the east by an intermittent coastal plain up to 30 km wide, beyond which the metamorphic Coast Mountains rise to 2 km above sea level. The western flank of the mountains is cut by numerous fjords and straits, many ice deepened. To the west, the basin is bounded by the insular volcanic belt of the Canadian Cordillera (Queen Charlotte Islands and Vancouver Island) and extends westward to the continental margin through Queen Charlotte Sound. Hecate Strait forms the major interior trough of Queen Charlotte Basin. Bathymetry is largely glacial and glaciomarine origin (Luternauer, 1972).

The insular belt is broken by two major depressions, Dixon Entrance in the north and Queen Charlotte Sound in the south. A depression in the continental shelf greater than 400 m deep lies off the mouth of Dixon entrance, and connects eastward to the main basin of the entrance. Three broad channels cut Queen Charlotte Sound. The northernmost of these extends 250 km north to the northern part of Hecate Strait, and includes several ice-deepened depressions. The central channel is greater than 340 m deep near the shelf edge and is separated from an adjacent slope canyon by a discontinuous sill of low relief. The southern channel bifurcates 60 km northeast of the shelf edge, and extends eastward into the strait between Vancouver Island and the mainland and northeast toward the mainland fjords.

The Dixon Entrance - Queen Charlotte Basin - Queen Charlotte Sound Area has the oceanographic characteristics of a semi-exposed marine environment; it is similar in many ways to the offshore waters, but modified considerably by estuarine processes characteristic of the protected inland coastal waters. The influence of freshwater discharge is most pronounced in Dixon Entrance in late spring and summer when runoff from the Nass and Skeena rivers (June, approximately 5700 $m^3 s^{-1}$) rivals that of the Fraser River. The fjords are often characterized by sills and an estuarine circulation driven by freshwater input from land runoff. Thomson (1981) provides a thorough description of the oceanography of the area. Place names referred to within the report are shown in Figures 3a, 3b and 3c.

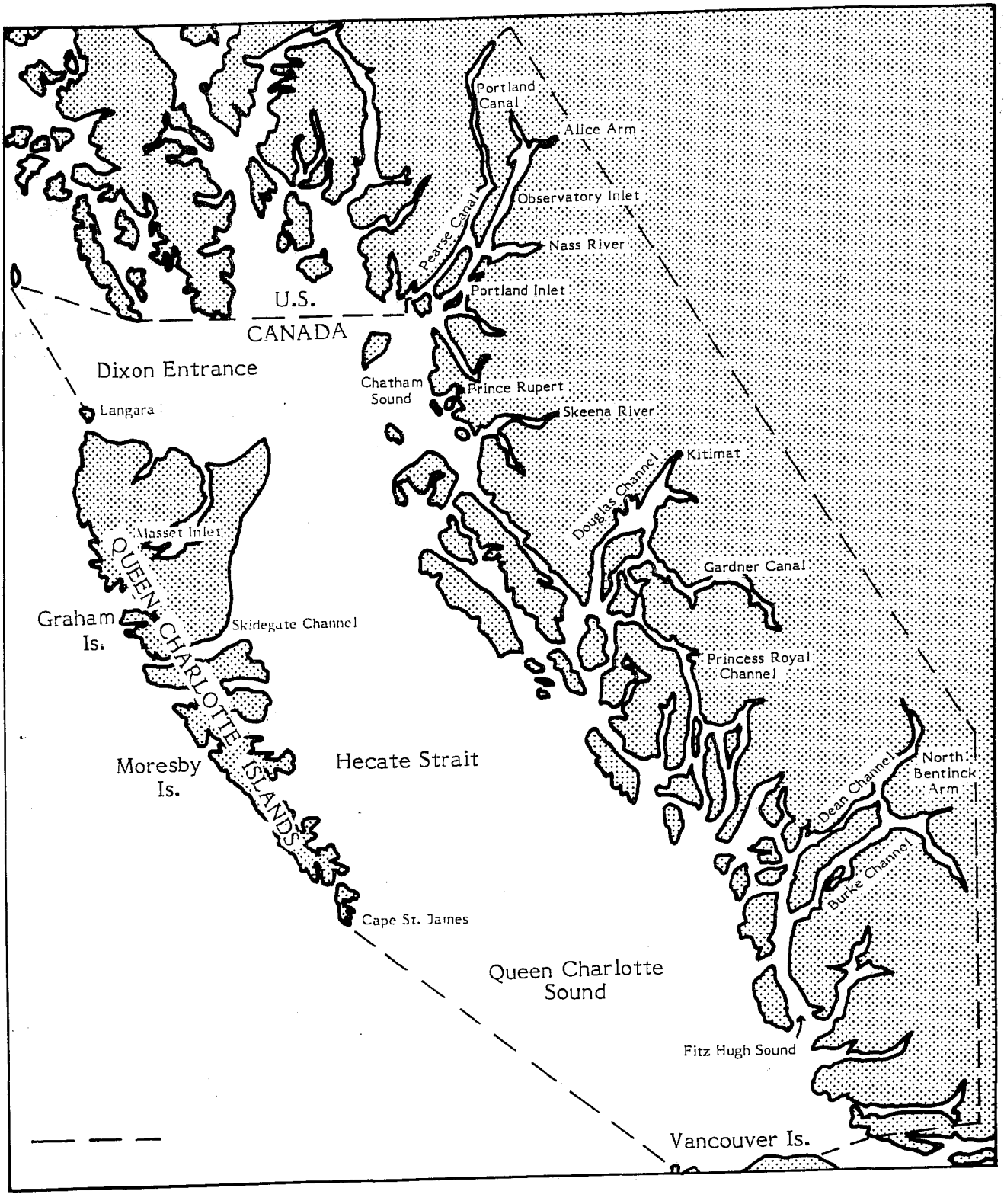

Figure 3a. Major placenames in the area covered by this data compilation report.

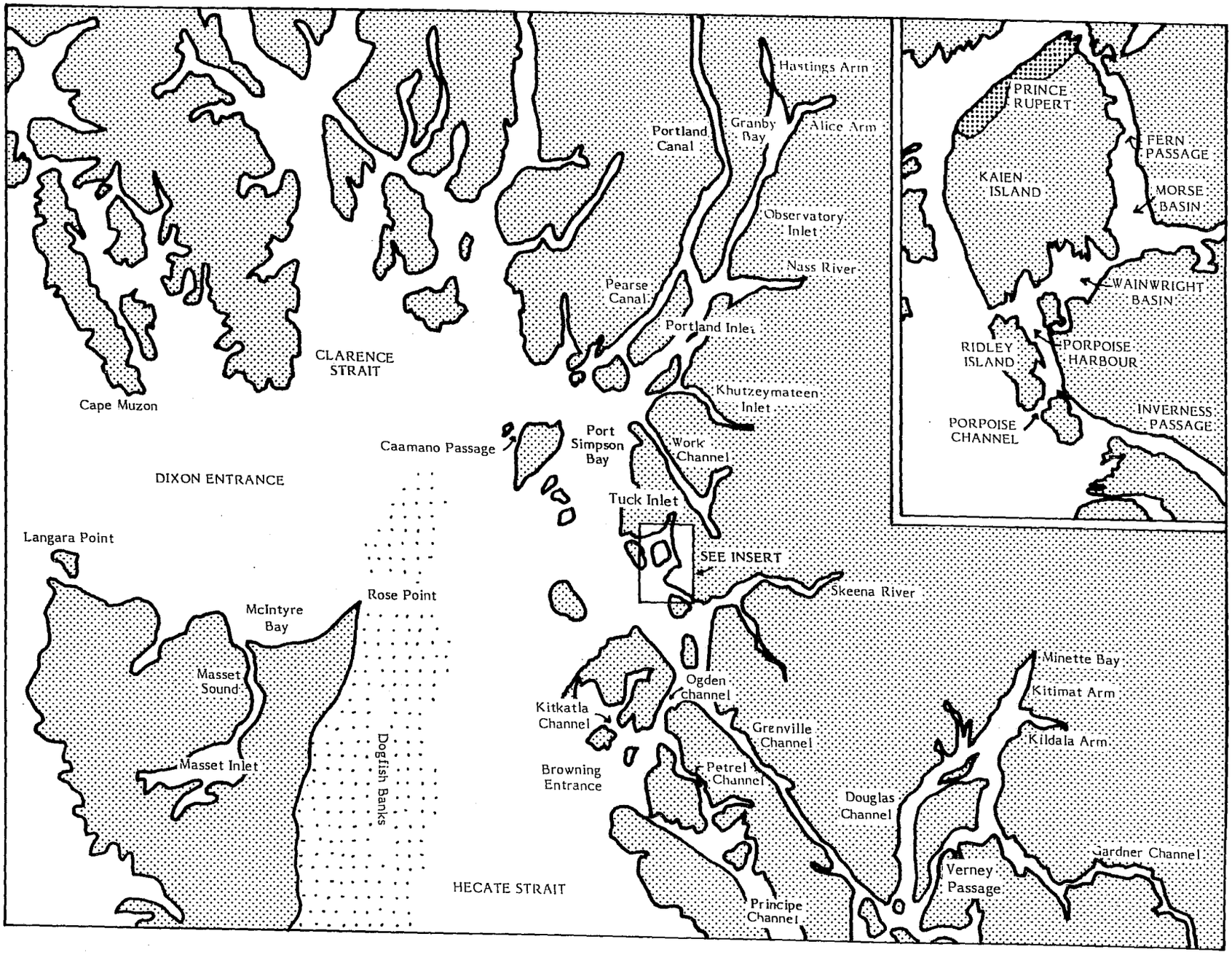

Figure 3b. Placenames for the northern half of the study area.

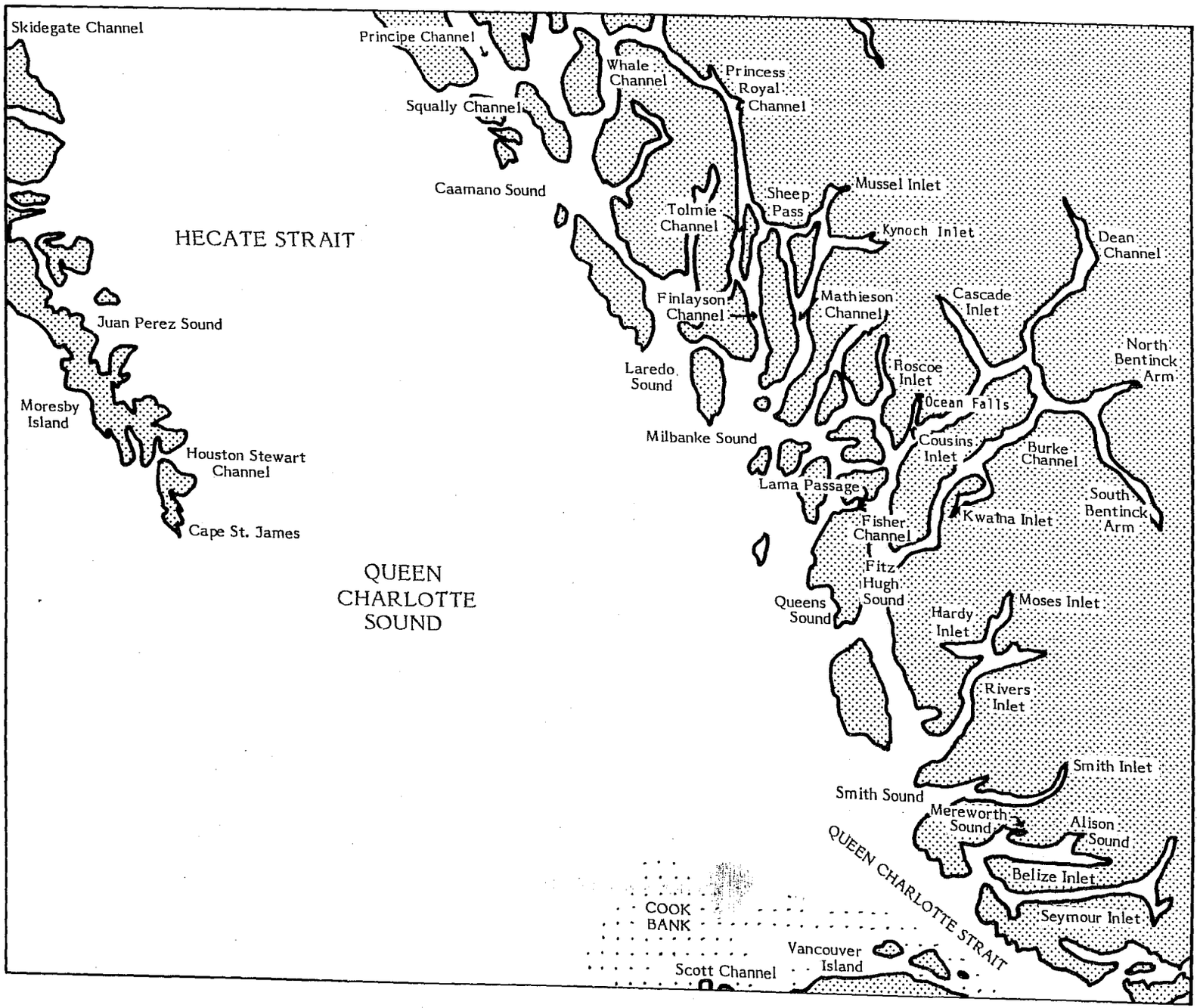

Figure 3c: Placenames for the southern half of the study area.

3. CHEMICAL DATA PRESENTATION

3.1 Types of Data

All chemical data have been grouped according to the environmental medium or compartment in which they are found, as follows:

Medium	Constituents Included
Water Column (Sea Water)	- dissolved constituents - particulate constituents
Sediments	- surficial sediments - sediment cores (interval sampling) - interstitial pore waters
Biota (flora and fauna)	- seawater dwelling organisms - bottom sediment dwelling organisms - marine mammals - marine birds

The inventory includes all available data of a "chemical nature". This includes commonly-measured substances such as dissolved oxygen, major and minor elemental components, nutrients and less frequently measured substances such as trace elements, hydrocarbons and chlorinated hydrocarbons. Turbidity and suspended particulate material are not truly chemical quantities in the classical sense, but are included in the inventory because they are important factors in the interpretation of chemical data and because they are more logically included with the chemical inventory rather than the physical or biological inventories.

The largest amount and most diverse data are found for water column constituents. Field-based analyses of samples at the time of collection have been rare because most chemical analyses require specialized or sophisticated equipment. Water samples have been frequently processed in the field to the stage where sample preservation is convenient and then returned to the laboratory for analysis. Samples for dissolved oxygen and pH analysis, on the other hand, have been routinely analysed in the field shortly after collection. Other determinations which can and have been

made in the field include methane and the reactive nutrients although the latter have also been preserved and returned to the laboratory. Measurements have been made rarely in situ, and then only for dissolved oxygen.

The other types of samples: biota and sediments have been obtained in decreasing quantities respectively and all have been analysed exclusively in the laboratory after preservation for some extended period of time. A summary of the chemical data types included in the inventory is shown in Tables 3.1 and 3.2.

3.2 Concentration Units

Several different concentration units have been used over the years to report the chemical results for coastal British Columbia data. In order to eliminate confusion and provide for ease of data comparison between data sets, the International System of Units (Systeme International, SI) has been used wherever possible. Exceptions in the use of SI are classes of compounds comprising assemblages of different molecules such as polycyclic aromatic hydrocarbons and polychlorinated biphenyls. The trend toward worldwide use of SI units as a standard has been established by resolutions of the General Conference of Weights and Measures. In addition, the International Union of Pure and Applied Chemistry (IUPAC) endorses the exclusive use of SI units for chemical quantities. An important advantage of using SI units for chemical oceanographic and geochemical data is the ease by which mass fluxes and chemical budgets can be calculated and compared for various elements and chemical compounds.

TABLE 3.1

A SUMMARY OF CHEMICAL DATA TYPES INCLUDED IN THE DATA INVENTORY

Chemical Constituent	Water	Sediment	Biota
alkalinity (carbonate)	x		
alkalinity (total)	x		
n-alkanes		x	x
aluminum		x	x
ammonia	x		
anthracene (ANTH)		x	x
antimony		x	x
arsenic	x	x	x
organic	x	x	x
total	x	x	x
barium		x	x
benz(a)anthracene (B(a)A)		x	x
benzene hexachloride (BHC)			x
benzofluoranthenes (BFS)		x	x
benzopyrenes (BPS)		x	x
beryllium		x	x
bismuth		x	x
boron		x	x
cadmium	x	x	x
calcium		x	
calcium carbonate		x	
carbohydrate	x		
carbon			
elemental total	x	x	
carbonate		x	
inorganic	x	x	
particulate organic		x	
organic		x	
plankton		x	
organic total	x	x	
chlorophyll a	x	x	x
chlorophyll c	x		
chromium	x	x	x
chrysene (CHRY)		x	x
cobalt		x	x
copper	x	x	x
dieldrin (DDN)			x
ethane, 2,2-Bis(p-chlorophenyl)-1,1-dichloro- (i.e. p,p'-DDD)			x
ethane, 1-(o-chlorophenyl)-1-(p-chlorophenyl) -2,2,2-trichloro- (i.e. o,p'-DDT)			x
ethane, 1,1-Bis-(p-chlorophenyl)-2,2,2-trichloro- (i.e. p,p'-DDT)			x
ethane, Bis-(chlorophenyl)trichloro- (i.e. DDT total)			x
ethylene, Bis-(chlorophenyl)dichloro- (i.e. DDE total)			x
ethylene, 2,2-Bis(p-chlorophenyl)-1,1-dichloro- (i.e. p,p'-DDE)			x
fluoranthene (FLAN)		x	x
fluorine	x		
gallium		x	x
gold		x	x
heptachlorepoxide (HCE)			x
hexane extractable compounds (HEC)	x		

TABLE 3.1

A SUMMARY OF CHEMICAL DATA TYPES INCLUDED IN THE DATA INVENTORY

Chemical Constituent	Water	Sediment	Biota
iron			
reactive particulate	x		
reactive soluble	x		
reactive total	x		
elemental	x	x	x
lead			
210 lead		x	
206lead/207lead isotopic ratio	x		
206lead/204lead isotopic ratio	x		
206lead/208lead isotopic ratio	x		
dissolved	x		
total	x	x	x
lindane (LIND)			x
magnesium		x	x
manganese		x	x
molybdenum	x	x	x
mercury	x	x	x
nickel	x	x	x
niobium		x	x
nitrogen			
dissolved (non NO_3 or NH_3)	x		
nitrate	x	x	
dissolved	x		
nitrite	x		
total Kjeldahl	x	x	
oxygen			
dissolved	x		
perylene (PERY)		x	x
pH	x		
phaeopigments	x		
phenanthrene (PHEN)		x	x
phosphorus			
total	x	x	
inorganic	x		
organic	x		
particulate	x		
phosphate dissolved	x		
plant carotene	x		
polyaromatic hydrocarbon (PAH)	x		
polychlorinated biphenyls (PCBs)		x	x
potassium		x	x
pyrene (PYRN)		x	x
226 radium		x	
resolved complex mixture (RCM)		x	
rubidium		x	x
selenium			
silicon		x	
silicate	x		
elemental		x	

TABLE 3.1

A SUMMARY OF CHEMICAL DATA TYPES INCLUDED IN THE DATA INVENTORY

Chemical Constituent	Water	Sediment	Biota
silver	x	x	x
sodium		x	
strontium		x	x
sulphur		x	
hydrogen sulphide	x		
suspended particulate matter (SPM)		x	x
tantalum			
thallium		x	x
elemental		x	
230 thalium isotopic ratio		x	x
tin		x	x
titanium	x	x	x
tungsten		x	
unresolved complex mixture (UCM)		x	x
uranium		x	x
vanadium			
zinc	x		
dissolved	x	x	x
total			

TABLE 3.2

NUMBER OF DATASETS CONTAINING SELECTED CHEMICAL QUANTITIES FOR EACH SAMPLING MEDIUM INCLUDED IN THIS INVENTORY

Chemical Quantity	Sea Water	Sediments	Biota
Dissolved Oxygen	129	-	-
pH	10	-	-
Nutrients			
Nitrate	37	2	-
Phosphate	28	-	-
Silicate	21	-	-
Ammonia	7	-	-
chl. a	20	1	2
Phaeopigments	11	-	-
Suspended particulate matter	7	-	-
Isotopes	7	3	-
Alkalinity	5	-	-
Calcium	-	4	-
Carbon	5	15	-
Fluorine	3	-	-
Sulphur/Sulphide	-	4	-
Metals			
Aluminum	-	5	6
Antimony	-	1	2
Arsenic	1	1	10
Barium	-	3	1
Beryllium	-	1	1
Bismuth	-	1	1
Boron	-	1	1
Cadmium	4	11	15
Chromium	1	7	12
Cobalt	-	5	1
Copper	3	11	15
Gallium	-	1	1
Gold	-	2	1
Iron	3	9	11
Lead	5	14	14
Lithium	-	1	1
Magnesium	-	3	5
Manganese	-	10	9
Molybdenum	2	7	14
Mercury	2	7	3
Nickel	1	11	10
Niobium	-	1	1
Potassium	-	1	1
Rubidium	-	1	1
Selenium	-	-	1

TABLE 3.2

NUMBER OF DATASETS CONTAINING SELECTED CHEMICAL QUANTITIES FOR EACH SAMPLING MEDIUM INCLUDED IN THIS INVENTORY

Chemical Quantity	Sea Water	Sediments	Biota
Heavy Metals (cont'd)			
Silver	1	3	3
Sodium	-	1	1
Silicon	-	3	-
Strontium	-	3	1
Tantalum	-	1	2
Tin	-	3	1
Thallium	-	2	1
Titanium	-	3	1
Tungsten	1	2	2
Uranium	-	2	1
Vanadium	-	6	1
Zinc	4	12	15
Hydrocarbons/Organics			
Alkanes	-	4	4
Hexane Extractable Compounds	3	-	-
PCB	-	3	12
Pesticides	-	-	8
PAH	3	4	12
Nitrogen	3	5	-
Phosphorus	1	2	-
^{14}C Primary Productivity	-	-	1
in-situ fluorescence	1	-	-

Factors used to convert units found in original reports to SI units are listed in Table 3.3.

4. OUTLINE OF DATA INVENTORY ORGANIZATION

The data are organized into a chronological series of data sets beginning with the year 1937. No chemical data collected before 1937 could be found. Each data set comprises sampling or chemical measurements taken during a single cruise, or during a sampling excursion usually by a single agency. It is assumed, then, that data within a given data set have been collected uniformly and should be internally consistent insofar as sampling methodology is concerned.

Each data set has been assigned an identification number of the form yy-nnnn, where yy = last 2 digits of the year in which data were collected and nnnn = order of identification for that particular data set for that year. The data set number is a unique identifier which applies throughout this series of inventories; for example, any data set identified as 51-0009 is the same no matter where the reference to it is made. In certain cases, data may have been collected over a period of months or years by a common study team with minor or major differences occurring in the types of data collected at each sampling period. When this occurred, letters were used as a suffix to the data set number to distinguish the various sample collections. For example, data set 65-0015 is divided into three parts in the inventory - 65-0015A, 65-0015B, and 65-0015C. While there is insufficient reason to regard the three as separate data sets because all samples were collected during a single cruise, the subdivision is made to emphasize that different parameters were sampled by three separate groups of scientists during the sampling period. Gaps may appear in the sequence of data set numbers in this inventory for a particular year, because each data set will not appear in every discipline and geographical area.

This inventory comprises three main tables followed by supporting figures and tables. Table 1 is a chronological list of data sets by data set number (see above). Table 2 is a summary of specific details for actual chemistry data. Table 3 is a listing of times and locations of individual measurements. Where station co-ordinates were not specified in reports, approximate station positions were obtained by measuring plotted station locations on figures located in the report. Measurement locations are plotted in a series of maps in Section 10. There are six standard maps;

TABLE 3.3

CONVERSION FACTORS AS NUMERICAL MULTIPLES OF SI UNITS

CHEMICAL QUANTITY	TO CONVERT FROM	TO	MULTIPLY BY
	litres	m^3	1,000
	mg L^{-1}	g m^{-3}	1
	µg mL^{-1}	µg L^{-1}	1000
	mg L^{-1}	mg m^{-3}	1000
	mmol kg^{-1}	µmol kg^{-1}	1000
aluminum	mg kg^{-1}	mmol kg^{-1}	0.03706
	% Al (wt/wt)	mol kg^{-1}	0.3706
	mg L^{-1}	mol m^{-3}	0.03706
ammonia	mg L^{-1} (NH_3)	mmol m^{-3} (NH_3-N)	58.82
	µg at L^{-1} (NH_3-N)	mmol m^{-3} (NH_3-N)	1
antimony	mg kg^{-1}	mmol kg^{-1}	0.008217
	% Sb (wt/wt)	mmol kg^{-1}	82.17
arsenic	mg kg^{-1}	mmol kg^{-1}	0.01335
	µg L^{-1}	mmol m^{-3}	0.01335
	% As (wt/wt)	mmol kg^{-1}	133.5
barium	mg kg^{-1}	mmol kg^{-1}	0.007280
	% Ba (wt/wt)	mmol kg^{-1}	72.80
benzene hexachloride	mg kg^{-1}	µmol kg^{-1}	3.52
beryllium	% Be (wt/wt)	mmol kg^{-1}	1110.
bismuth	% Bi (wt/wt)	mmol kg^{-1}	47.85
boron	% B (wt/wt)	mmol kg^{-1}	924.2
cadmium	mg kg^{-1}	mmol kg^{-1}	0.008896
	ng kg^{-1}	nmol kg^{-1}	0.008896
	µg L^{-1}	µmol m^{-3}	8.896
	% Cd (wt/wt)	mmol kg^{-1}	88.96
calcium	% Ca (wt/wt)	mol kg^{-1}	0.2495
calcium carbonate	% (wt/wt)	mol kg^{-1}	0.09991
carbon	mg L^{-1}	mol m^{-3}	0.08326
	% C (wt/wt)	mol kg^{-1}	0.8326

CONVERSION FACTORS AS NUMERICAL MULTIPLES OF SI UNITS

CHEMICAL QUANTITY	TO CONVERT FROM	TO	MULTIPLY BY
	litres	m^3	1,000
	mg L^{-1}	g m^{-3}	1
	µg mL^{-1}	µg L^{-1}	1000
	mg L^{-1}	mg m^{-3}	1000
	mmol kg^{-1}	µmol kg^{-1}	1000
carbonate	% (wt/wt)	mol kg^{-1}	0.1666
chl. a	µg L^{-1}	mg m^{-3}	1
chromium	mg kg^{-1}	mmol kg^{-1}	0.01923
	mg L^{-1}	mmol m^{-3}	19.23
	% Cr (wt/wt)	mmol kg^{-1}	192.3
cobalt	mg kg^{-1}	mmol kg^{-1}	0.01697
	% Co (wt/wt)	mmol kg^{-1}	169.7
copper	mg kg^{-1}	mmol kg^{-1}	0.01574
	mg L^{-1}	mmol m^{-3}	15.74
	% Cu (wt/wt)	mmol kg^{-1}	157.4
DDD	mg kg^{-1}	µmol kg^{-1}	3.12
DDE	mg kg^{-1}	µmol kg^{-1}	3.14
DDT (total)	mg kg^{-1}	µmol kg^{-1}	2.82
o,p'-DDT	mg kg^{-1}	µmol kg^{-1}	2.82
p,p'-DDT	mg kg^{-1}	µmol kg^{-1}	2.82
DDN	ng kg^{-1}	µmol kg^{-1}	2.63
fluorine	µg mL^{-1}	mol m^{-3}	0.0526
gallium	% Ga (wt/wt)	mmol kg^{-1}	143.4
gold	% Au (wt/wt)	mmol kg^{-1}	50.71
HCE	mg kg^{-1}	µmol kg^{-1}	2.57

CONVERSION FACTORS AS NUMERICAL MULTIPLES OF SI UNITS

CHEMICAL QUANTITY	TO CONVERT FROM	TO	MULTIPLY BY
	litres	m3	1,000
	mg L-1	g m-3	1
	µg mL-1	µg L-1	1000
	mg L-1	mg m-3	1000
	mmol kg-1	µmol kg-1	1000
hydrogen sulphide	% (wt/wt)	mol kg-1	0.293
iron	mg kg-1	mol kg-1	1.791×10^{-5}
	mg L-1	mmol m-3	17.91
	µg at L-1 (Fe)	mmol m-3 (Fe)	1
	% Fe (wt/wt)	mol kg-1	0.1791
lead	mg kg-1	mmol kg-1	0.004826
	ng kg-1	nmol kg-1	0.004826
	mg L-1	mmol m-3	4.826
	% Pb (wt/wt)	mmol kg-1	48.26
magnesium	mg kg-1	mol kg-1	0.04114
	% Mg (wt/wt)	mol kg-1	411.4
manganese	mg kg-1	mmol kg-1	0.01820
	% Mn (wt/wt)	mol kg-1	182.0
mercury	mg kg-1	µmol kg-1	4.985
	µg L-1	µmol m-3	4.985
molybdenum	mg kg-1	mmol kg-1	0.01042
	mg L-1	mmol m-3	10.42
	% Mo (wt/wt)	mmol kg-1	104.2
nickel	mg kg-1	mmol kg-1	0.01703
	mg L-1	mmol m-3	17.03
	% Ni (wt/wt)	mmol kg-1	170.3
niobium	% Nb (wt/wt)	mmol kg-1	107.6
nitrate	mg L-1 (NO_3)	mmol m-3 (NO_3-N)	16.13
	µg at L-1 (NO_3-N)	mmol m-3 (NO_3-N)	1

CONVERSION FACTORS AS NUMERICAL MULTIPLES OF SI UNITS

CHEMICAL QUANTITY	TO CONVERT FROM	TO	MULTIPLY BY
	litres	m^3	1,000
	mg L^{-1}	g m^{-3}	1
	µg mL^{-1}	µg L^{-1}	1000
	mg L^{-1}	mg m^{-3}	1000
	mmol kg^{-1}	µmol kg^{-1}	1000
nitrite	mg L^{-1} (NO_2)	mmol m^{-3} (NO_2-N)	20.83
	µg at L^{-1} (NO_2-N)	mmol m^{-3} (NO_2-N)	1
nitrogen	% N (wt/wt)	mmol kg^{-1} (N)	713.9
	µg at L^{-1} (N)	mmol m^{-3} (N)	1
oxygen	mg L^{-1} (O_2)	mol m^{-3} (O_2)	0.0313
	mL L^{-1} (O_2)	mol m^{-3} (O_2)	0.0446
	mg at L^{-1} (O)	mol m^{-3} (O_2)	0.5
phaeo.	µg L^{-1}	mg m^{-3}	1
phosphate	mg L^{-1} (PO_4)	mmol m^{-3} (PO_4-P)	32.29
	µg at L^{-1} (PO_4-P)	mmol m^{-3} (PO_4-P)	1
phosphorus	µg at L^{-1}	mmol m^{-3}	1
potassium	% K (wt/wt)	mol kg^{-1}	255.8
selenium	mg kg^{-1}	mmol kg^{-1}	0.01266
silicate	µg at L^{-1} (SiO_3-Si)	mmol m^{-3} (SiO_3-Si)	1
silicon	mg kg^{-1}	mol kg^{-1}	3.560×10^{-5}
silver	mg kg^{-1}	mmol kg^{-1}	0.009270
	mg L^{-1}	mmol m^{-3}	9.270
	% Ag (wt/wt)	mmol kg^{-1}	92.70
sodium	% Na (wt/wt)	mol kg^{-1}	0.4350
strontium	mg kg^{-1}	mmol kg^{-1}	0.01141
	% Sr (wt/wt)	mmol kg^{-1}	114.1
sulphur	µg g^{-1}	mmol kg^{-1}	0.03119

CONVERSION FACTORS AS NUMERICAL MULTIPLES OF SI UNITS

CHEMICAL QUANTITY	TO CONVERT FROM	TO	MULTIPLY BY
	litres	m^3	1,000
	mg L^{-1}	g m^{-3}	1
	µg mL^{-1}	µg L^{-1}	1000
	mg L^{-1}	mg m^{-3}	1000
	mmol kg^{-1}	µmol kg^{-1}	1000
tantalum	% Ta (wt/wt)	mmol kg^{-1}	55.26
thallium	% Tl (wt/wt)	mmol kg^{-1}	48.93
thorium	% Th (wt/wt)	mmol kg^{-1}	43.09
tin	mg kg^{-1}	mmol kg^{-1}	0.008432
	% Sn (wt/wt)	mmol kg^{-1}	84.32
titanium	mg kg^{-1}	mmol kg^{-1}	0.02088
	% Ti (wt/wt)	mmol kg^{-1}	208.8
tungsten	mg kg^{-1}	mmol kg^{-1}	0.005439
	mg L^{-1}	mmol m^{-3}	5.439
	% W (wt/wt)	mmol kg^{-1}	54.39
uranium	% U (wt/wt)	mmol kg^{-1}	42.00
vanadium	mg kg^{-1}	mmol kg^{-1}	0.01963
	% V (wt/wt)	mmol kg^{-1}	196.3
zinc	mg kg^{-1}	mmol kg^{-1}	0.01530
	ng kg^{-1}	nmol kg^{-1}	0.01530
	mg L^{-1}	mmol m^{-3}	15.30
	% Zn (wt/wt)	mmol kg^{-1}	153.0

*** Note:**

In Table 2 conversions for dissolved constituents have been made assuming that the density of sea water is 1.0 i.e., that 1 µg L^{-1} is equivalent to 1 µg kg^{-1}.

all are Lambert Conformal Conic projection. In all maps, the coastlines have been smoothed and small islands removed to avoid clutter. To maintain uniformity and facilitate comparison, maps for all volumes in British Columbia coastal water data compilations have been taken from common stock.

A listing of the geographical occurrence of data sets is given in the geographic index. Section 11.2 is an index of references ordered by data set number. The first (primary) reference shown for each data set is the original data report or similar document. The secondary references that follow are other reports or refereed papers based on the primary reference. The listing of secondary references should not be considered an exhaustive literature search. Only those secondary references are included as were found while searching for original data set documents.

4.1 Description of Table Headings

4.1.1 Table 1

Table 1 provides general details of sampling excursions and includes:

(1) identification of the specific region within the study area where sampling was conducted;

(2) the period of time during which the measurements were made;

(3) the ship or agency which collected the data;

(4) a listing of the chemical quantities measured or sampled during the collection period, with those quantities for which data are published and available for inclusion in this inventory in bold type. All entries are not in bold type because

(a) all samples collected on original cruises may not have been analysed;

(b) samples may have been analysed but results may not be available in the public domain or may be untraceable;

(c) samples may be lost or destroyed.

(5) concurrent physical and biological measurements or samples.

4.1.2 Table 2

In Table 2, specific details including analytical results, are given for each quantity measured in each data set. These include:

(1) total number of stations sampled;

(2) total number of samples obtained at all stations;

(3) the number of samples having analytical results greater than the analytical detection limit or greater than 0 when 0 is used to designate the detection limit;

(4) methodology information: details of collection, storage (preservation), and analysis of the sample allowing for judging quality and comparability of data;

(5) the range of reported concentrations. Note that all concentrations are given in Systeme International (SI) units. Conversions between these and previously used units are given in Table 3.1;

(6) the mean and median of the reported concentrations. The median is included because it is not as easily influenced by extreme values as is the mean. It thus represents a better estimate of the middle of a sample population with skewed distribution. Many environmental parameters fall into a log-normal distribution, so the median is probably a better estimate of central tendency. If the number of observations is odd, the median is the middle one of the observations; if the number is even, the median is the average of the two innermost observations. Where a suite of results includes detection limit values, the detection limit is used for computing the mean provided that at least 50% of the values exceed the detection limit.

(7) a data quality (confidence) rating based on the rules outlined subsequently (by Section 5.2). The data rating scale uses values from 0 to 4 with 4 indicating data judged to be highest quality, and to have the most versatile potential (refer to Section 5.3).

4.1.3. Table 3

Table 3 provides specific spatial and temporal details for collected samples. These include:

(1) station position (latitude, longitude). For stations where no latitude/longitude are expressed, estimates were made by direct measurement of the plotted station points contained in individual original reports;

(2) station depth;

(3) sampling time (year, month, day and hour in GMT or local time);

(4) number of points (samples in profiles); for sediment and biota sampling G designates grab sample, C core sample;

(5) maximum depth sampled (= bottom for grab/core samples).

4.2 Sample use of the inventory

Example 1	Searching for specific-parameter data: e.g., Copper in sea water
Step 1.	Consult Table 1 and scan column labelled "Chemical quantities measured or sampled". Note data sets listing Copper (in bold print) as a measured parameter
Step 2.	Consult data set numbers noted in Step 1, Table 2, to obtain specific details of sample history and reported concentrations.
Step 3.	Refer to Table 3 for station positions, depths sampled, etc. If areal coverage of stations is of interest, go to Section 6 and consult maps for the data set(s) of interest. Maps are ordered chronologically.
Step 4.	Consult the reference list for reports or publications upon which the data set is based.
Example 2.	Searching for data from a specific geographic area: e.g. Copper in Knight Inlet sea water
Step 1.	Consult Geographical Index Note data set numbers
Step 2.	Consult Table 1 for data sets reporting copper in sea water.
Step 3.	Continue as in Example 1.

When additional details concerning data are required, the original data sets must be consulted. Access to these documents may be obtained through Ocean Information Division at the Institute of Ocean Sciences, Sidney, British Columbia.

5. DATA RATING SYSTEM

5.1 Data Quality Criteria

The reported chemical data for Dixon Entrance to Queen Charlotte Sound have been appraised using a rating system based on five data quality parameters related to methodology:

(A) sample collection;
(B) sample storage/preservation;
(C) sample analysis;
(D) analytical precision; and
(E) analytical accuracy.

These five parameters satisfy a fundamental requirement that the rating criteria allow an assessment to be made of any chemical result at any point in the history of a sample from collection to final analysis. In this way, the five parameters shown above represent a measure of the ultimate believability of results.

A quiet revolution has been taking place in recent years in the approach analytical chemists have for quality control and the establishment of well-defined performance criteria for analytical procedures. The most significant step was the general recognition that analytical quality control has been almost universally inadequate in the areas of environmental chemistry. The residual problem is resistance to change; routine analysis and reporting procedures that have been in use for many years will not change overnight. The new concepts as articulated by Taylor (1983), Kirchmer (1983), Long and Winfordner (1983), Glaser et al., (1981) and Cheeseman and Wilson (1978) will eventually be practised and improved by analytical chemists. This evolutionary process will lead to an improvement in the ability to establish error bounds for analytical measurements and reduce analytical errors. This will result ultimately in data sets comprising data of known quality.

A general caution is appropriate at this time. A great deal of chemical data has been collected over the years by non chemists. The objective in sampling has often been to merely "get a rough idea of metal contents or hydrocarbon contents etc." rather than produce state-of-the-art results. There is an insidious danger in this approach to chemical oceanography and science in general; namely, that it encourages a lower level of care in all aspects of the methodology chain which, when added together, leads to far greater errors than originally intended or considered to be within acceptable limits. For this reason, all sampling teams should always strive for the best results within their capability; they should always measure and report precision and accuracy.

Some general concepts and comments related to the five data quality criteria introduced earlier which indicate how they can be used in the data evaluation are discussed below. A more detailed discussion for specific chemical constituents is given for Section 5.3.

A. Sample Collection

Sampling has traditionally received little attention and has been the weakest link in marine chemical measurements. The method of sampling is crucial, especially for heavy metals or trace hydrocarbons where baseline values are often at or near the detection limit of many analytical techniques. Detailed steps involving sample preparation and collection methodology must be followed with fanatical attention to detail so as to limit the effects of negative and positive contamination. These details are an integral part of the final reported number and must be specified with the results.

B. Sample Storage and Preservation

Once the sample is collected, it must be preserved in such a way that it remains representative of the water body, ice core, sediment, plant or animal from which it was collected or sampled. Storage containers are very important. For the storage of samples for the determination of heavy metals in sea water, for example, a severe hot acid pretreatment of plastic or Teflon storage bottles must be achieved. Bottles used for storing hydrocarbon samples must be cleaned with solvent and baked to rid the containers of contaminating substances. Procedures specifically applicable to samples of other chemical substances are often necessary. Certain types of samples (e.g., nutrients, chlorophyll a, etc.) which are sensitive to change through biological activity must be analysed or preserved immediately after collection before such activity begins to alter the sample irreversibly. Failure to do so will result in samples becoming unrepresentative of the original water mass. Acid is frequently used as a preservative for seawater samples for heavy metal analysis. Because the concentration of heavy metals is exceedingly low in sea water, only acids with the highest level of purity can be used, lest the acid addition introduce more metals into the samples than those occurring naturally. Consequently, the purity of all preservatives must be carefully tested before use and must be specified in collection details. Length of time between collection and preservation should be reported exactly.

C. Analysis

Assessing the comparability of analytical results depends on a detailed description of the chemical protocol used. The protocol is a set of definitive directions that must be followed, without exception, if the analytical results are to be accepted for a given purpose. Protocol fits into the hierarchy of methodology as outlined by Taylor (1983) in the sequence **technique → method → procedure → protocol.**

The simple statement found in many reports that "sterile procedures were used" or that "standard methods were used" does not provide enough information to form an opinion about the reliability of the technique employed or the validity of results obtained. This follows from the fact that most chemical laboratories dealing with the analysis of marine samples recognize that most procedures are not routine and that operational changes are often made. Thus, the instrumentation and analytical conditions employed; the quality and age of reagent chemicals; the values of reagent and procedural blanks; and the finesse of the analyst with the technique will be critical to the eventual outcome of the analysis. All these details must be specified. Also, quantitative proof that the analytical measurement is in control must be provided. Otherwise, the situation articulated by Eisenhart (quoted in Taylor, 1981) will probably be all too true: "Until a measurement operation .... has attained a state of statistical control, it cannot be regarded in any logical sense as measuring anything at all".

Detection Limits and Blanks

Important performance criteria of an analytical method are detection limit and blanks. Many definitions for the term "detection limit" can be found in the literature. A consensus appears near. In qualitative terms the limit of detection is the lowest concentration of an analyte that can be reliably distinguished from an analytical blank (Long and Winefordner, 1983). Over the years, the calculated limit of detection for an element has varied as much as an order of magnitude through the use of different statistical approaches and different interpretations of what detection limit really is. This has important implications for the chemical oceanographic data for Dixon Entrance to Queen Charlotte Sound because many data sets contain detection limit values or values reported simply as "less than detection limit" with

the detection limit unspecified. Descriptions are provided in few of the data sets in sufficient detail (in most cases zero detail) so that few data at the lower end of the reported ranges can be used with any degree of certainty.

Blanks are another performance criterion for an analytical process. Highly variable blanks lead to very poor estimates for the detection limit. All data sets are inadequate in describing analytical blank procedures or values for the blanks. The combination of no information for the detection limit and blanks together with many data sets reporting variable detection limits leads to a situation where the data are uninterpretable. The data will probably remain so because there is no known algorithm which can transform incoherent data into coherent data. In addition, the low level of importance placed upon the concepts of detection limit and analytical blank control as recently as 1975 suggests that the chances are small that these performance criteria would have been determined in a satisfactory manner to have any positive impact on the results reported in this inventory.

D. Precision

Precision is a measure of random error. It is essential for defining significant intra-data differences and is usually expressed as the standard deviation of n analytical measurements. It is possible for an analytical result to be very precise but inaccurate. Precision should be determined for each procedure, type of sample and analyst. It is very important that the estimation of precision is made on "real" samples and not just on reference materials. A description of how precision was measured must be provided. This should include the model used (i.e., blind, random, etc.), the number of replicates (n) and the concentration at which precision was measured (x for a sample, or $x_1 - x_2$ for pooled samples). The value given for this parameter with a group of data must truly apply to the specific analysis used to produce those data and not simply be a statement of that which has been achieved or that which can be achieved or expected by others for the same or a similar analytical technique. Precision may be estimated by numerous replicated determinations on a sample. This, however, probably leads to a biased estimate since the analyst is apt to give greater care with samples known to be used to measure variance. A better estimate can be made by blindfold determination of several replicated samples (covering the range of concentration expected for the samples) run randomly throughout the period of analysis.

E. Accuracy

Accuracy is a measure of systematic error. As pointed out by Kirchmer (1983), there is a problem in defining accuracy because of the discrepancy between the accuracy of individual analytical measurements and the accuracy of average (long-run) values obtained from a number of replicate measurements (n must be specified). Common practice has been to define accuracy as the deviation of the mean of n measurements from the "true" value; this is the definition used here. Another school of thought applies the term "bias" (equivalent to "systematic error") to the definition above and defines accuracy as the combined random and systematic errors of results. Systematic errors can arise from a variety of sources including:

- unrepresentative sampling;
- instability of samples between sampling and analysis;
- interference effects;
- biased calibration;
- a biased blank correction; and
- inability to determine all forms of the determinand.

It is clear that an accurate result can only occur after each of the above factors is defined quantitatively.

Accuracy can be estimated by comparing analytical results with the certified values for a reference material. Unfortunately, certified reference materials are available for only a limited number of elements or compounds in the various sample matrices or environmental phases. In practice, this means that the matrix of the reference material and that of the sample will rarely, if ever, be chemically equivalent. Consequently, when an analyst uses a reference material to validate an analytical procedure, the user of the data must judge whether the two matrices (sample and reference material) are sufficiently similar to warrant the use of the results for the reference material as evidence for the validity of the analytical results obtained for actual samples. A simple example illustrates this point: In judging the quality of an apple only another apple, which has been judged and certified to be of specified quality, can be used as a reference. An orange, no matter how good, will not do. The apple may, in fact, be of high quality but this cannot be established on the strength of information obtained using an inappropriate reference material (the orange). In the same way, results for heavy metals in seal livers, for example, cannot be validated using National Bureau of Standards Reference Material

1571 (Orchard Leaves). At the very least, the lipid and oil content of the liver tissue would lead to chemical interferences far greater than those likely to occur with orchard leaves. The degree of interference will be specific to the analytical method; therefore, when assessing the quality of a data set, the experience of the scientist is very important for establishing criteria for accepting/rejecting reference materials in a given situation according to the specific details of each analysis (see Note 8 in the preface to Table 2).

When satisfactory reference materials are not available, accuracy of a method is sometimes estimated by measuring the ability of the method to recover a standard spike added to a portion of the sample or added to a material having a matrix similar to that of the sample. This method may fail to provide a reliable estimate of analytical accuracy because the added standard may not have a chemical reactivity which is equivalent to the component in the sample; it may, therefore, respond differently to the chemical steps involved in the determination. While this method of additions cannot prove that an analytical procedure is accurate it can (by demonstrating poor and highly variable recoveries) identify methods that are inherently imprecise. When certified reference materials or standards are used, standardization should be blindfold and occur at random with replication to avoid biased results caused by analysts who pay special attention to standardization samples and who know or are likely to guess the established reference material composition. In addition, more than one reference material should be used to validate a given method whenever possible. This may identify matrix interferences that go unnoticed using a single matrix. When systematic errors are found (under or over-recovery of the determinand) the results should be reported without correction for recovery data because the application of a correction factor may do little beyond replacing one wrong estimate with another.

Alternatives are available for demonstrating analytical accuracy. Agreement of results determined using different analytical methods employed by different laboratories during intercalibration exercises is one way of increasing confidence in the results. Although reference materials and intercalibrated results may generate confidence in an analytical result, they still can not prove whether the value obtained is an accurate representation of the true value in the environment. Satisfactory agreement among replicate samples, consistently low blanks and results that make sense (and are consistent with other supporting measurements) will increase confidence.

It is important to distinguish between reference materials and primary standards. The chemical composition of a reference material is empirically derived from the pooled analytical results of several laboratories using different methods and instruments for the assay. Values for reference materials are commonly described as certified values, recommended values or average compositional values. By contrast, primary standard values are "true" values and are independent of the method of analysis. They are inherently more reliable than the values "recommended" for reference materials. A more detailed discussion of "standard" samples can be found in the review by Abbey (1980).

5.2 Definition of the Rating System

All data have been rated by a 5-level rating system, defined as follows.

Rating Score	Data Quality
0	data are found (or judged) to be wrong or unrepresentative example: seawater samples collected in metal Nansen bottles with metal content as the intended analysis
1	data are suspect because of ill-defined doubts example: magnitude of results falls outside previous scientific experience (see Preface notes to Tables 1 and 2 for further details).
2	insufficient information to assess data; data were not investigated (where data no longer exist, an explanation is entered in remarks column).
3	data are internally consistent; patterns or trends within data are probably real but comparison with other data sets may be a problem (because of incomplete, improper, or inappropriate standardization);
4	data are internally consistent and are sufficiently standardized or tied to a reference that comparison with other data at this rating score should be possible. (Data may not be accurate in an absolute sense because all data may be defined relative to a reference material having a different matrix).

This rating system can be criticized for not being hierarchical because the 2 rating score is misplaced. An hierarchical rating scheme can be produced, however, by rearranging the rating scores in the order 2, 0, 1, 3, 4. It is suggested that this re-ordering of data quality levels be used by those more comfortable with an hierarchical scheme rather than creating a new rating system. This will avoid the confusion of several rating schemes within the data inventory series and provide continuity with the inventories already published.

This rating system is intended as a guide and not an absolute statement of data quality; it is one of several ways to represent the quality of acquired chemical data. The ideal rating system would use only objective criteria. This is, however, not possible because of the lack of standard analytical procedures in use and because of the significant changes in sample collection and storage techniques and philosophy that have occurred in recent years. Consequently, a certain subjectivity is inherent in the appraisal of data and any given system for objective data quality appraisal is almost doomed to fail as soon as it is chosen because it will rely to some degree on the discretion of the appraiser. This is particularly true in this inventory of retrospective data quality evaluation, because details of sample history are poorly documented and additional clarification cannot be readily obtained.

Ultimately, the quality of the data will reflect the weakest link in the methodology chain (see 5.3). Thus, in cases where a deviation from acceptable methodology is considered so serious that the validity of the obtained results is in doubt, a value of 0 is assigned. Consider the collection of seawater samples for heavy metal analyses, for example. Suppose that the samples were stored acidified in unprepared PVC bottles. During the storage period some metals would leach out of the PVC material which forms the walls of the bottle, so introducing positive contamination to the sample. Because all sampling bottles can differ slightly and sometimes greatly in their composition of impurities, the magnitude of the contamination can be random among samples, so that not even comparison of concentration values within the sample set can be justified in a relative sense. The clear lack of confidence in the results together with the strong suspicion that the samples are no longer representative of the original water mass would result in the assignment of a data rating value of 0. It should be noted that the chemical analyses could have been carried out with well-accepted analytical techniques using the finest state-of-the-art instrumentation. In fact, the analyses could be very precise and very accurate based on the analysis of certified reference materials. Unfortunately,

despite the excellence of the analysis the results would still be hopelessly wrong. With reference to this inventory of chemical oceanographic data for the Dixon Entrance to Queen Charlotte Sound, cases as obvious as the example above were rare. The most common characteristic of the data sets was an insufficient description of how the results were generated. This led to the assignment of a data rating of 2 to the majority of data sets. It must be stressed, however, that a 2 rating is no better than a 0 rating unless missing information is supplied. If that information no longer exists or in fact never existed, a 0 rating would be warranted. Those readers interested in data sets rated 2 or below are advised to inspect the data very carefully and investigate the data to a level required by the use to which they intend to put the data.

As already noted, merely stating that a given analytical method was used for a chemical analysis is not sufficent information to reach an opinion about the quality or validity of the data. The quality of analysts varies widely. What can be attained by one analyst can be beyond the abilities of others even when "identical" procedures are employed as demonstrated on more than one occasion during inter-laboratory calibration exercises.

5.3 Significance of the Data Rating Value

The usefulness of the data will depend on the use for which the data are intended, i.e., which question or environmental concern is being considered. The data rating value may be seen to separate groups of data; this can lead to different degrees of understanding environmental processes. It should be recognized that the rating system is not specific to chemical data. Rather, the system seeks to distinguish fundamental differences in information such as those data sets which contain invalid data; those which limit comparisons of numbers to within themselves; and those which allow comparison between data sets.

At least three levels of data quality are essential to establish significance of data:

Level 1: Identification of Ranges of Values

At this least discriminating level, the data can be assessed for whether or not their reported ranges fall within the general limits expected for coastal or estuarine

areas. Gross errors, contamination, or methodology problems would be identified. Even if the ranges of data were physically possible, this level of data scrutiny does not provide any site-specific information, or determine whether the data were representative of a given geographic area, depth or particular time of year when the data were collected. Most data, even data scoring 1 or 2 could be tentatively used in such a way.

Level 2: Comparison of Data within the Data Sets

At this level, comparison of profiles or time series within a given data set could be used to determine whether measurements of water or sediment properties at particular stations were significantly different from each other on the basis of precision of measurement. Data with a rating of 3 could be used in this instance provided the precision was sufficient to resolve differences within the range of measured values.

Level 3: Comparison of Data Between Data Sets

This is the minimum rating level required for studies of long-term variability of chemical components. It is also required for studies describing processes that control lateral and vertical distributions of chemical components. Studies involving the detection of subtle shifts in chemical equilibria that may lead to downstream effects (such as perturbations to biological systems or climatological changes) also require data with a high level of confidence and a measure of absolute accuracy. Only data with a rating of 4 could be considered for such applications, but will be inadequate when the samples are not representative of the environmental medium sampled. Full interpretation of chemical oceanographic data is impossible in isolation from knowledge of water column structure. Thus, when concurrent measurements of temperature, salinity and perhaps nutrients and dissolved oxygen or some other related variable are not available to support the chemical data, even 4-rated data will be of limited value. In such cases conclusions will be tentative, being based primarily on inference and conjecture.

5.4 Effect of Positioning on the Data Quality

Accuracy of the station positions is a factor essential to the proper use of the data inventory. This is particularly relevant when knowledge of spatial distributions

of water or sediment properties is essential for the understanding of a particular oceanographic phenomenon. Many station positions were obtained using rudimentary techniques such as dead reckoning, or radar range and bearing at distances far from shore; consequently, there may be considerable uncertainty about the geographical location at which samples were obtained. This leads to the dilemma that some chemical data which have received a 4-rating may in fact be of little value in defining important spatial distributions.

Data sets for which no details of positioning or position co-ordinates were given are designated by the term NPG (No Position Given) in the remarks column of Table 2. Entries for these positions appearing in Table 3 were estimated graphically from original report figures and are so indicated and are intended as a very rough guide only.

5.5 Some Important Factors Relevant to the Data Appraisal Process.

The sampling and sample processing techniques used in chemical oceanography are not universally applied to all parameters. Reliable results for certain parameters require the successful application of stringent and highly specialized precautions, while reliable results can be obtained for others using standard routine methodologies. Following is a brief discussion of factors that one must consider when evaluating data and examples of difficulties that can occur during processing of samples for the most commonly observed parameters in Table 2 (heavy metals, nutrients, dissolved oxygen, hydrocarbons, chlorinated hydrocarbons).

5.5.1 Heavy Metals

A. Sea Water

Many of the pitfalls associated with obtaining reliable heavy metal data in sea water can be illustrated by following the history of a water sample from the time of collection through to the completion of the analysis.

The first step facing the chemical oceanographer is the collection of a representative sample. Although this is probably the most important link in the chain of analytical operations, historically it has been given far less thought and care than it deserves. The sampling device must be constructed of materials that will not contaminate the sample. Thus, all metallic components of commonly-used samplers

must be removed or replaced. In addition, samplers must be thoroughly cleaned and kept clean between sampling casts. Teflon is an excellent construction material for samplers because it is usually manufactured with only very low trace metal impurities and can be hot acid cleaned. Samplers made from this material must be carefully cleaned, however, because during the fabrication of Teflon into a chemical apparatus, particles of grit, rust and dirt may become embedded in the surface to act as a source of contamination for long periods of time. The standard Niskin-type water sampler (which has been used extensively within the inventory area) usually contains an internal rubber-coated metal spring or rubber shock cord as part of the closing mechanism. Both are unacceptable since metal impurities can be present in these materials (for example zinc oxide at percent levels). Thus, the use of these samplers for the collection of seawater for zinc analysis is not recommended unless the standard internal spring has been replaced by a Teflon-coated spring or similar contamination-reducing component. Because the sea surface microlayer is enriched with heavy metals, it is advisable to obtain subsurface seawater samples by using samplers such as the Niskin GO-FLO sampler that passes closed through the sea surface layer. Peristaltic pumping systems employing acid-cleaned polyethylene or Teflon tubing have also been used to avoid some of the contamination associated with the surface layer and general handling but these are usually practical only for shallow depths.

The necessity for carefully choosing a sampler is clearly apparent from the results of recent sampler intercomparison studies. Spencer et al., (1982) report that surface water samples taken with a Teflon-coated Niskin GO-FLO sampler possessed much higher concentrations of zinc (7-10 fold) and lead (2-3 fold) than those collected directly in Teflon bottles. Bewers and Windom (1982) compared GO-FLO, Niskin and Hydro-Bios samplers. Their results show that the lower concentration seawater samples (Cd, Cu, Ni, Zn, Fe, Mn, Hg, Mo, and V) were collected using GO-FLO bottles in which O-rings and seals were replaced by silicone equivalents; drain cocks were replaced by those made of solid Teflon. Modified Niskin samplers appeared to be only slightly inferior to the modified GO-FLO, but unmodified GO-FLO and Hydro-Bios samplers were generally poorer.

Other precautions that should be observed during the collection of seawater samples for heavy metal analyses include:

(i) use of plastic-coated steel rope, Kevlar rope or stainless steel wire rope in place of the standard iron hydrographic wire (Bewers and Windom, 1982);

(ii) stainless steel weights wrapped in plastic to weigh the hydrographic wire;

(iii) obtaining surface samples from a small boat by heading into the wind against local surface currents and holding the sample bottle so that it precedes the boat through the water.

Once collected, the sample must be transferred to a storage bottle for some period of time. The storage container must be prepared before use in order that the possibility of the bottle contaminating the sample is reduced. This usually involves a multi-stage and multi-day hot acid-cleaning procedure as described by the Participants in the Lead in Seawater Workshop (1976). Cleaned containers are stored wrapped in polyethylene film and handled only with polyethylene-gloved hands. A preservative is usually added to the samples to inhibit biological activity and the absorption of heavy metals onto the walls of the storage containers. The preservative is most often HCl and must be of sufficient purity to ensure that any trace metal impurities associated with the addition of acid are insignificant relative to the quantity of metal present in the sample.

Most heavy metals samples can be stored in Teflon, polyethylene or quartz when properly cleaned. Mercury should not be stored in polyethylene because mercury vapour readily passes into and through the walls of these containers. The question of whether the sample should be filtered before acidification is controversial. The procedures involved during filtration (particularly on a dirty ship or other field environment where laboratory conditions are not easily reproduced) may often result in greater contamination than would otherwise result from the acidification of unfiltered samples. Sometimes filtration cannot be avoided. On these occasions, filtrations should be carried out (a) under reduced pressure in a closed system apparatus which allows the sample to flow directly from the sample bottle through a pre-cleaned filter into a second pre-cleaned storage bottle or (b) using positive pressure (compressed filtered N_2) in a device that allows direct filtration of a seawater sample from the sampler into a storage bottle. Ideally, the elapsed time between sample collection and analysis should also be minimized to reduce the possibility of sample modification during storage. For instance, prolonged storage may favour the formation of very strong or kinetically-hindered metal complexes with naturally-occurring chelating agents which may, in turn, prevent the formation of an extractable complex with a chelating agent, inhibit a colour forming reaction or impede the reduction of an ion at an electrode. The ultimate result may be that normal analytical methods produce low results or miss a component entirely.

The analytical methodology must also be considered in view of current practices. Any analytical method may be internally consistent yet produce vastly different results from another method, making intercomparison difficult. An example is reported by Brewer and Spencer (1970) where results for the determination of cobalt in sea water obtained from the chelation/extraction/atomic absorption method were five to six fold greater than those obtained by neutron activation of the freeze-dried salts of replicate samples. Even primary reference standards may not be able to resolve such a discrepancy because of matrix interferences, for example. Contamination arising during analysis from atmospheric fallout, reagents, sample handling etc. must also be controlled. The recent trend toward performing heavy metal analyses in laminar flow work stations or Clean Rooms is understandable. Even so, it is not unusual to find members of the most advanced and prestigious marine analytical laboratories in the world disagree with each other by factors of 5 or more on the concentrations of metals in standardized seawater samples during international intercalibration exercises (Sugawara, 1978; Bewers et al., 1981; Olaffson, 1982). Deviations from the standardized or accepted values can exceed ±100% in these intercalibration studies.

The facts presented above emphasize several important points. Steps should always be taken to limit handling and the addition of preservatives to samples. It is also very difficult to form an objective opinion about the quality of a trace metal data set when details such as the ones described above are not given. A true perspective of the heavy metal data as a whole can be achieved by considering the scientists' awareness of problems associated with sampling, storage and sample handling at the time the samples were collected. As the importance of controlling contamination became evident over the years, more effort has been made to systematically eliminate or reduce as many sources as possible. The result has been a continued decrease in the reported values for heavy metals in sea water over the past 40 years (see Table 5.1). It is obvious in many cases (and strongly suspected in others) that although most of the heavy metal data obtained for the Dixon Entrance to Queen Charlotte Sound were collected during the past eight years, the techniques used and level of awareness are more characteristic of those used 40 or more years ago. Viewed as a whole, therefore, the quality of heavy metal data for Dixon Entrance to Queen Charlotte Sound sea water is probably very low and the data little more than collections of random numbers. During the past several years, artfully and carefully analysed samples for heavy metals have generated results conclusively showing that

TABLE 5.1

BASELINE CONCENTRATIONS OF SELECTED TRACE METALS IN OPEN-OCEAN WATERS REPORTED DURING THE LAST FORTY YEARS

REFERENCE	UNITS	Cd	Cu	Pb	Zn	Ni
COMPILED DATA						
Sverdrup et al. 1942	µmol tonne-1	present	157	1.9	85.0	---
Goldberg, 1965	µmol m-3	0.98	47	0.14	153.0	---
Brewer, 1975	µmol m-3	0.89	7.9	0.14	75.	---
RECENT ORIGINAL DATA						
Zirino and Healy, 1971	µmol m-3	---	---	---	26.0	---
Chester and Stoner, 1974	µmol m-3	0.62	12.6	---	21.0	---
Eaton, 1976	µmol tonne-1	0.53	---	---	---	---
Bender and Gagner, 1976	µmol m-3	<0.90	1.9	---	---	---
Windom and Smith, 1979	µmol tonne-1	---	0.3 - 5.2	---	---	---
Bruland et al. 1978	µmol m-3	---	---	---	0.15 - 9.2	---
Bruland, 1980	µmol tonne-1	0.002 - 1.11	0.54 - 5.3	---	0.08 - 9.1	---
Boyle et al. 1981	µmol tonne-1	<0.01 - 0.08	0.05 - 1.5	---	---	1.03 - 3.5
Danielsson, 1980	µmol tonne-1	0.07 - 0.84	1.3 - 5.5	0.10 - 0.82	---	3.1 - 16.2
Kremling and Petersen, 1978	µmol m-3	0.03 - 0.04	1.6 - 2.7	---	0.76 - 2.0	---
Patterson, 1974	µmol m-3	---	---	0.07	---	---
Heggie, 1982	µmol tonne-1	---	2 - 25	---	---	---

heavy metals are not erratically distributed in the oceans as was the earlier uncomfortable conclusion drawn by many chemical oceanographers based on data dominated by contamination effects. Rather, horizontal and vertical distributions are now known to vary systematically and can be explained by biological, geological, chemical and physical phenomena. Such evidence of physical and geochemical controls on heavy metal distributions leads to further confidence in metal data and is an aid when evaluating data collections.

B. Sediment and Biological Tissues

In general, the pitfalls encountered in the sampling, storage and analysis of marine sediment samples are fewer than those encountered with seawater samples because the concentrations are commonly about three orders of magnitude higher. Obtaining a representative sample still remains a challenge. Many grab samplers such as the Ponar, screen top Van Veen, Petersen and Kahl box sampler collect substrate together with overlying water. Extreme care must be taken that the overlying water does not wash out the fine material within the surface layer during removal of sediment sample from the sampling device. Before sample collection, it is wise to consider the types of analyses that will be performed on the sample so that a suitable sub-sampling strategy can be devised. Walton (1978), for example, suggests that material from the outer portions of the sample can be used for physical analyses, whereas interior material which is more protected from disturbance or contamination can be used for metal or hydrocarbon analyses. Subsampling for one type of compound should not contaminate the remaining sample before removing a subsequent subsample. Some analysts prefer to analyse a subsample from a homogenized whole sediment; others analyse a given grain size fraction. Because trace metal content usually increases with surface area of particles, intercomparison of many data sets is often tenuous when different size fractions have been analysed. Also, errors may result when sieves made from copper or brass cloth are used to segregate grain sizes. For the analysis of heavy metals in benthic biota it is important that the animals be purged of gut contents before analysis, lest the inorganic sediment present in the gut be included in the estimation of biological metal. For small specimens it is often possible to obtain more reliable results by digesting the whole specimen(s) and subsampling the digest as opposed to subsampling the specimens before the digestion step. For larger animals such as fish and marine

mammals specific organs are usually examined due to the vast range of values possible for various body organs. Special precautions must be taken to check for interferences resulting from the presence of natural oils.

For both sediment and biological metals, methods involving conditions which favour the formation of covalent halides (e.g., hot sulphuric, perchloric or phosphoric acid in the presence of halide ions) should be examined carefully given the possible quantitative distillation of chromium, arsenic, antimony, tin, selenium, rhenium and osmium and the vaporization of substantial amounts of germanium, molybdenum and mercury under such conditions, particularly when Teflon digestion bombs are not employed in the procedure.

5.5.2 Nutrients

The measured concentration of a given nutrient in a sea water sample is very dependent on analytical methodology. The term "reactive nutrients" is often used to emphasize that results refer to those quantities of nutrient that react under the conditions of specific analytical methods. Phosphate is usually measured as soluble inorganic orthophosphate ions which react with acidified molybdate reagent to yield a phosphomolybdate complex which is then reduced to a highly coloured blue compound. Currently used methods for ammonia determination (such as the indophenol blue method) usually measure NH_3 plus NH_4^+. Earlier methods included varying amounts of labile organic nitrogen compounds such as trimethylamine and amino acids in the determination. Nitrite is determined as an azo dye formed by the stepwise stoichiometric reaction of nitrite ion with an aromatic amine. Nitrate is determined by the same method as nitrite after passing the sample through a catalytic reductor column to reduce nitrate to nitrite. Since many procedures do not measure nitrite separately, the results for nitrate would more accurately be stated as nitrate plus nitrite. The error involved is usually not significant, however, because nitrite is present only at about 5% of the concentration of nitrate. Silicon is determined as dissolved inorganic silicate based on the formation of a yellow silicomolybdic acid when an acidic sample is treated with molybdate solution. Colloidal silicic acid in sea water usually reacts, but polymeric chains containing three or more silicic acid units react very slowly.

The procedures used for sampling and storage of nutrients in sea water are often modified for specific applications. Some general points are noteworthy:

(a) for best analytical results, samples should be analysed within about one hour of collection;

(b) short-term storage should be in a cool, dark place;

(c) if long-term storage by freezing is necessary, it should be limited to a maximum of two months to limit variance caused by storage (Macdonald and McLaughlin, 1982);

(d) quick-freezing is an effective method for long-term storage of all nutrients except for silicate in estuarine water having a salinity of less than 27×10^{-3}. Caution must also be observed for samples containing silicate in excess of ca 70 mmol m^{-3} or stored for longer than five months. In these cases, data may be successfully recovered provided that thaw times are long enough. The addition of preservatives to samples should be avoided to reduce the chance of contamination and possible interference with the analytical technique. In particular, acidification of phosphate samples is not recommended because of the tendency to favour hydrolysis of combined phosphorus. The addition of chloroform to phosphate samples should also be avoided, because this requires a preliminary sample filtration step which should be avoided if possible. Where water is visibly turbid, PO_4 samples must be filtered. This is particularly important in estuarine samples;

(e) silicate samples must be stored in plastic; phosphate samples keep best in plastic as uptake of phosphate by glass surfaces has been observed; nitrite/nitrate samples can be effectively stored in glass or plastic;

(f) Macdonald et al. (1986) recognised four factors that might affect measured reactive silicate in a sample that has been frozen: salinity, silicate concentration, storage time and time thawed before determination. Appropriate thaw times can be selected with reference to this paper. As a guideline, when salinity data or expected values for samples are unknown or where a high silicate/salinity ratio is known, silicate samples should be thawed for a minimum of 24 hours to allow for depolymerization.

Although nutrient elements have been analysed frequently by many laboratories for many years, they have not always been determined routinely with sufficient confidence to resolve differences in nutrient water column structure. This is illustrated by the results of a 20-nation nutrient method intercalibration exercise conducted by ICES (International Council for the Exploration of the Sea, 1977) which showed that only 9% of the total variance of laboratory values was attributable to the "within laboratory" component of variance. Thus, the ability of each laboratory

to obtain a precise result was much better than the overall accuracy observed during the intercalibration exercise. Coefficients of variation (CV) for the determination of the different nutrients ranged from 4% to 21%. Because the intercalibration was not a blindfold test, these CV's probably overestimate the precision that would be expected under routine laboratory conditions.

5.5.3 Dissolved Oxygen

Almost without exception, the chemical determination of oxygen in sea water is based on the Winkler titration (Carritt and Carpenter, 1966). Samples must be carefully obtained, fixed and stored all the while limiting or eliminating contact with atmospheric oxygen until after formation of the tri-iodide complex. Numerous systematic errors can occur during the determination of dissolved oxygen by the Winkler titration method most of which result in an overestimation of oxygen content. Utmost care must be taken in the preparation of iodate solution for standardization by using only the highest quality primary standards.

In situ oxygen probes have also been used to measure dissolved oxygen. Because sensor calibrations often wander or because compensation for changes in temperature and salinity are insufficient or too slow, the sensitivity and accuracy of the in situ probe may be insufficient to resolve dissolved oxygen concentrations in the water column or during surface tows. Oxygen concentrations obtained from in situ probes should be treated as approximate unless compelling evidence is provided to indicate otherwise.

5.5.4 Hydrocarbons

A. Sea Water

In the past, the methodologies used by various researchers for sampling, sample preservation and storage, and cleaning procedures have generally been used on an ad hoc basis each designed and implemented to suit a particular study or application. The best samplers appear to be made of glass or stainless steel which can be effectively solvent cleaned. Contamination during sampling is a serious and commonly encountered problem. Hydrowire can be easily contaminated by oil and grease found in plentiful quantities on the sampling vessel and particulate fallout

from combustion of the ship's fuel can also be present. Care should be taken to ensure that all sampling equipment is kept clear of ship's exhaust when travelling between stations. Kevlar or stainless steel cable is preferred for sample casts in conjunction with samplers that pass closed through the sea surface to avoid being contaminated by the natural and anthropogenic hydrocarbon componds which concentrate in slicks at the surface. This is particularly important for ship-based operations where a halo of surface oil can quickly form at a station and extend a considerable distance away from the vessel. Samples should be stored in the dark and in the cool. They should contain added bactericides such as mercuric chloride, sodium azide, chloroform or methylene chloride to limit alteration of the sample through photolysis or bacterial action. Wong et al., (1976) reported that as much as 30% of dissolved PAH was removed from solution by adsorption onto the walls of the storage container during the sample storage period. It is prudent, therefore, to wash sample containers with solvent to recover analyte that would otherwise be lost and lead to an underestimation of the dissolved PAH content of the samples.

B. Sediments and Biota

Hydrocarbons in sediments and biota present fewer contamination problems than seawater samples because concentrations are very much greater than in sea water. Sediments can be successfully collected with grab samplers with the same reservations as outlined above for sampling sediments for heavy metals. No special precautions beyond those already mentioned above need be taken for biological samples.

During the analysis step, however, several pitfalls may occur. Soxhlet extraction of sediments is common. There is some evidence that this may encourage an in-situ contamination through the formation of PAH compounds. Results for low boiling compounds (low molecular weight compounds) should be considered highly unreliable if rotary evaporation techniques have been used to reduce extract volumes.

It is very difficult to compare hydrocarbon results among various studies. Results are often presented for classes of compounds such as aliphatics, polyaromatics, chlorins, fatty acids etc. Column chromatography separations vary from one method to another resulting in the aliphatics determined by one procedure not being equivalent to the aliphatics measured in another. Quantification of specific

compounds may be based on the co-injections of standards in a GC or by reference to an internal standard. Total PAH is defined by some authors as the sum of all resolved peaks, a specifically identified assemblage of PAH or the sum of resolved and unresolved PAH. Different methods generate different looking results. For instance, PAH by fluorescence may generate results in units of a standard pure PAH compound such as chrysene while PAH by GC produces results for specific compounds. An example given by Awad (1981) illustrates that it can be impossible to obtain the same results applying two different techniques on the same sample even if they differ in just a single step. In the two techniques by Blumer et al., (1971) and Vandermeulen et al., (1976) applied to sediments, the extraction steps were different but the purification steps were the same. The weights of organic extracts and yield of hydrocarbons produced from the first technique, however, were three to seven times higher than those obtained from the second.

Intercalibrations using different analytical techniques for hydrocarbons are usually unsuccessful. An example is the analysis of sediment samples from an area affected by the ARGO MERCHANT oil spill using u.v. fluorescence spectroscopy and gas chromatography. Although the samples used were considered to be identical, the two research groups carrying out the analyses reported no significant correlation of results for values less than 100 μg/g. In addition, Zsolnay (1978) reported no significant correlation between the results obtained by GC and high performance liquid chromatography (u.v. detector) when analysing organism tissues.

Extreme caution must be exercised when comparing concentrations for various hydrocarbon groupings or compounds among the various data sets.

5.5.5 Chlorinated Hydrocarbons

The analysis of chlorinated hydrocarbons such as pesticides and polychlorinated biphenyls presents great difficulty, because concentrations of these substances in sea water are very low (parts per 10^9 or less) leading to the need for large sample sizes (10 litres or more). Problems arise from the handling of these large volumes during the complicated multi-stage analytical procedures employed in the determination of chlorinated hydrocarbons. Procedures are often more art than science where the skill of the analyst becomes paramount to the end result. Contamination of samples can be a serious hazard because of the previous widespread use of chlorinated hydrocarbons in the manufacture of industrial and commerical

products. In recent years the manufacture of most chlorinated hydrocarbons and their use in other products has been controlled by legislation, so that the chances of contamination during sampling sea water should be decreasing.

Because chlorinated hydrocarbons are hydrophobic and lipophilic, they tend to concentrate at particle surfaces and in the fatty tissues of organisms. Consequently, their determination in biological tissues and sediments is much simpler than for sea water, although procedures remain complicated and non-routine so that results can be erratic if careful attention is not paid to each step of a procedure.

Regardless of the medium sampled, exact details of sampling, storage and analysis must be specified in order that data quality can be assessed. Quantification is very difficult because of the many isomers and interferences normally encountered in chlorinated hydrocarbon assemblages. Demonstrated effective control of low level blanks can increase confidence in the results.

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7. DATA INVENTORY TABLE I.

NOTE: Entries appearing in column 5 in bold type indicate those chemical quantities reported in Table 2. Entries in regular type refer to quantities reported to have been sampled but for which no data were provided by original authors.

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LIST OF ABBREVIATIONS USED IN TABLES 1 and 2

AAS	-	atomic absorption spectrophotometry
Ag	-	silver (AW = 107.88)
AgDDC	-	silver diethyldithiocarbamate
Al	-	aluminum (AW = 26.98)
Alk_{CO_3}	-	carbonate alkalinity
alk_t	-	total alkalinity
ANTH	-	anthracene
APDC	-	ammonium pyrrolidine dithiocarbamate
APHA	-	American Public Health Association
As	-	arsenic (AW = 74.91)
at	-	atoms
Au	-	gold (AW = 197.20)
AuA	-	autoanalyser
AWB	-	ash weight basis
AW	-	atomic weight
B	-	boron (AW = 10.82)
Ba	-	barium (AW = 137.36)
B(a)A	-	benz(a)anthracene
BCSS	-	Bay de Chaleur Standard Sediment, Marine Analytical Chemistry Standards Program, National Research Council of Canada
Be	-	beryllium (AW = 9.01)
BFS	-	benzofluoranthenes
BHC	-	benzene hexachloride (FW = 284.8)
Bi	-	bismuth (AW = 209.00)
BL	-	National Bureau of Standards - bovine liver
BOD	-	biochemical oxygen demand
BPS	-	benzopyrenes
C	-	carbon (AW = 12.01)
Ca	-	calcium (AW = 40.08)
$CaCO_3$	-	calcium carbonate
Cd	-	cadmium (AW = 112.41)

chl. a	-	chlorophyll a
chl. c	-	chlorophyll c
CH_4	-	methane
CH_2Cl_2	-	dichloromethane
CH_3OH	-	methanol
CHRY	-	chrysene
CI	-	National Bureau of Standards - cast iron
Cl	-	chlorine (AW = 35.45)
Co	-	cobalt (AW = 58.94)
CO_2	-	carbon dioxide
CO_3	-	carbonate
COD	-	chemical oxygen demand
Cr	-	chromium (AW = 52.00)
Cu	-	copper (AW = 63.54)
CVAAS	-	cold vapour atomic absorption spectrophotometry
p,p'-DDD	-	2,2-bis(p-chlorophenyl)-1,1-dichloroethane (FW = 320)
p,p'-DDE	-	2,2-bis(p-chlorophneyl)-1,1-dichloroethylene (FW = 318)
DDN	-	dieldrin (FW = 381)
DDT	-	ethane, bis(chlorophenyl)trichloro (FW = 354.5)
o,p'-DDT	-	1-(o-chlorophenyl)-1-(p-chlorophenyl)-2,2,2-trichloroethane (FW = 354.5)
p,p'-DDT	-	1,1-bis(p-chlorophenyl)-2,2,2-trichloroethane (FW = 354.5)
d.l.	-	detection limit
DO	-	dissolved oxygen
DON	-	all dissolved forms of nitrogen except NO_3 and NH_3
dpm	-	disintegration per minute
DS	-	dissolved solids
DWB	-	dry weight basis
ECGC	-	electron capture gas chromatography
ED	-	~depth (m) of euphotic zone when total incident radiation is 1 langleys min^{-1}
EPS	-	Environmental Protection Service
EtOH	-	ethanol
F	-	fluorine (AW = 19.00)

FAAS	-	flame atomic absorption spectrophotometry
Fe	-	iron (AW = 55.85)
$Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$	-	ferrous ammonium sulphate
FLAAS	-	flameless atomic absorption spectrophotometry
FLAN	-	fluoranthene
FS	-	fluorescence spectrophotometry
FW	-	formula weight
g	-	gram
Ga	-	galium (AW = 69.72)
GC	-	gas chromatography
GC (FID)	-	gas chromatography (flame ionization detector)
GCMS	-	gas chromatography mass spectrophotometry
GLC	-	gas liquid chromatography
GSC	-	Geological Survey of Canada
h	-	hour(s)
HC	-	hydrocarbon
HCE	-	heptachlorepoxide (FW = 389.00)
HCl	-	hydrochloric acid
$HClO_4$	-	perchloric acid
HCO_3	-	bicarbonate
HEC	-	hexane extractable compounds
HF	-	hydrofluoric acid
Hg	-	mercury (AW = 200.59)
HNO_3	-	nitric acid
H_2O	-	water
HPLC	-	high performance liquid chromatography
H_2S	-	hydrogen sulphide
H_2SO_4	-	sulphuric acid
I	-	iodide (AW. = 126.91)
I_2	-	iodine
IAs	-	inorganic arsenic
ICAP-OES	-	inductively coupled argon plasma optical emission spectrophotometry

IDMS	-	isotope dilution mass spectrophotometry
IOS	-	Institute of Ocean Sciences
K	-	potassium (AW = 39.10)
$K_2Cr_2O_7$	-	potassium permanganate
Ka	-	kilogram
KOH	-	potassium hydroxide
L	-	litre
Li	-	lithium (AW = 6.94)
LIND	-	lindane (FW = 291.00)
ly	-	1 g-cal·cm^{-2}
M	-	molar
m	-	metre(s)
MD	-	~depth (m) at which phytoplankton will exhibit maximum rate of photosynthesis when the sea receives 1ly/min of solar radiation
MESS	-	Miramichi Estuary Standard Sediment, Marine Analytical Chemistry Standards Program, National Research Council of Canada
meq	-	milliequivalents
Mg	-	magnesium (AW = 24.31)
MIBK	-	methylisobutyl ketone
min	-	minute(s)
mmol	-	millimole
Mn	-	manganese (AW = 54.94)
$MnCl_2$	-	manganese chloride
MSPU	-	the amount of chl. c in the particulate material held by a 1 micron filter expressed in arbitrary milli-specific plant pigment units
MT	-	National Bureau of Standards - mine tailings
N	-	nitrogen (AW = 14.01)
Na	-	sodium (AW = 22.9)
$NaCO_3$	-	sodium carbonate
NaDDC	-	sodium diethyldithiocarbamate
N/A	-	not applicable

Nb	-	niobium (AW = 92.91)
NBS	-	National Bureau of Standards
Ni	-	nickel (AW = 58.71)
NO_2	-	nitrite nitrogen
NO_3	-	nitrate nitrogen
np	-	non-polar
NPG	-	no position given
NS	-	not specified
O_2	-	oxygen
OAs	-	organic arsenic
OC	-	organic carbon
OL	-	National Bureau of Standards - orchard leaves
P	-	phosphorus (AW = 30.98)
PAH	-	polyaromatic hydrocarbon
Pb	-	lead (AW = 207.19)
PBI	-	Pearl Benson Index
PC	-	personal communication
PCB	-	polychlorinated biphenyl
PE	-	polyethylene
PERY	-	perylene
pH	-	$-\log [H^+]$
PHEN	-	phenanthrene
PO_4	-	phosphate
PO_4-P	-	phosphate phosphorus
PVC	-	polyvinyl chloride
PYRN	-	pyrene
Rb	-	rubidium (AW = 85.47)
RCM	-	resolved complex mixture
RS	-	National Bureau of Standards - river sediment

S	-	sulphur (AW = 32.06), when S is found in chemical quantities column
	-	salinity, when found in concurrent physical measurements column
Sb	-	antimony (AW = 121.76)
SCUBA	-	self-contained underwater breathing apparatus
SFMS	-	single focussing mass spectrometer
sfc	-	surface
Si	-	silicon (AW = 28.09)
SiO_2	-	silica
SiO_3	-	silicate silicon
Sn	-	tin (AW = 118.70)
SO_2	-	sulphur dioxide
SPM	-	suspended particulate matter
Sr	-	strontium (AW = 87.62)
SS	-	Sagami seawater standard
STP	-	Standard Temperature (0^oC) and Pressure (1 atm)
S/V	-	speed of sound
Ta	-	tantalum (AW = 180.95)
Th	-	thalium (AW = 204.39)
Ti	-	titanium (AW = 47.90)
TIC	-	total inorganic carbon
TKN	-	total Kjeldahl nitrogen
TLLC	-	Tannin and Lignin
TOC	-	total organic carbon
TR	-	total residue
U	-	uranium (AW = 238.03)
μ	-	micro (10^{-6})
UCM	-	unresolved complex mixture
UV	-	ultraviolet

V	-	vanadium (AW = 50.94)
VIPS	-	vacuum-intercept, protected port, pumping system
W	-	tungsten (AW = 183.86)
WT	-	Winkler titration
wt	-	weight
WWB	-	wet weight basis
XRF	-	x-ray fluorescence
Zn	-	zinc (AW = 65.37)

WEST COAST DATA INVENTORY
PERSONAL COMMUNICATIONS
(as referenced in Tables 1, 2 and 3)

PC-1 Bill Sergeant, B.C. Environmental Laboratory, Vancouver, B.C. October 18, 1983, 3:00 pm (Telephone).

Methodology: storage - methanol preservation
analysis - homogenized; chloroform extraction; GC

Samples were analysed on a wet weight basis and no water content was measured.

PC-2 Bodo de Lange Boom, Seakem Oceanography Ltd., Sidney, B.C. October 6, 1983, 11:00 am (In person).

Positions of stations together with the information that O_2 sampling was carried out by Environmental Sciences Limited.

PC-3 Vidas Stukas, Seakem Oceanography Ltd., Sidney, B.C. October 11, 1983, 3:00 pm (Telephone).

Name of collection vessel for early surface water samples.

PC-4 John Luternauer, Pacific Geoscience Centre, Pat Bay, B.C. October 31, 1983, 11:00 am (In person).

Assignment of specific station locations to specific cruises.

PC-5 Jack Littlepage, University of Victoria, B.C. November 9, 1983, 11:30 am (Telephone).

Ship name used in Dobrocky Seatech cruises.

PC-6 Derrio Stucchi, Institute of Ocean Sciences, Pat Bay, B.C. November 14, 1983, 1:30 pm (Telephone).

Ships names, times of cruises and personnel movements.

PC-7 Jeff Thompson, Institute of Ocean Sciences, Pat Bay, B.C. November 17, 1983. 3:00 pm (Telephone).

Supplied station locations, media sampled and parameters measured.

PC-8 Brian Bornhold, Pacific Geoscience Centre, Institute of Ocean Sciences, Pat Bay, B.C. November 21, 1983, 11:00 a.m. (Telephone).

Fractions analysed for $CaCO_3$ (June, July, 1979) and OC, N for Kitimat/Skeena analysis.

PC-9 Brian Bornhold, Pacific Geoscience Centre, Pat Bay, B.C. November 23, 1983, 11:00 am (Telephone).

Explanation for lack of coordinates for Station K77A and name of sampling vessel for Kitimat cruise.

PC-10 Vidas Stukas, Seakem Oceanography Ltd., Sidney, B.C. February 10, 1984, 1:30 pm (In person).

Table 3 (p. 16) of Stukas, V.J. (1981) refers to data from station 5.

PC-11 Brian Fowler, Seakem Oceanography Ltd., Sidney, B.C. April 17, 1984, 6:00 pm (In person).

All mussel, heart urchin and clam analysis on soft body tissue only; mysids analysed whole.

PC-12 Jeff Thompson, Institute of Ocean Sciences, Pat Bay, B.C. April 19, 1984, 2:00 pm. (Telephone).

Confirmation that samples analysed for OC, S and Pb were collected on this cruise.

PC-13 Paul Erickson, Seakem Oceanography Ltd., Sidney, B.C. March 5, 1984, 2:00 p.m. (In person).

Latitude for station 9-2 contains a transposition error. Should be $53^{\circ}56.4'$.

PC-14 Darcy Goyette, Environmental Protection Service, Vancouver, B.C. August 29, 1984, 3:45 pm (Telephone).

Values shown for precision or accuracy of EPS tissue data (Data Sets 78-0039; 80-0043A, B; 81-0019A, B; 81-0020) represent a running average over several years. For NBS oyster tissue the running average was compiled from 1978-1982; for NBS bovine liver from 1979-1982. In both cases, batch-to-batch differences were not significant relative to the magnitude of the precision/accuracy quoted. Values for all data sets indicated above are those obtained at the end of 1982, regardless of the year during which the samples were analysed.

PC-15 Darcy Goyette, Environmental Protection Service, Vancouver, B.C. August 29, 1984, 3:45 pm (Telephone).

Values shown for precision and accuracy of EPS sediment data (Data Sets 76-0047, 78-0039, 80-0043A, B) represent an average of values ±3 months either side of analysis date.

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASURE-MENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
37-0004	M.V. CATALYST (Pacific Oceanographic Group, Nanaimo, B.C.)	July 25-27	Dixon Entrance	Water Column: O_2	T,S		
38-0002	M.V. AMLAC (Pacific Oceanographic Group, Nanaimo, B.C.)	May 24 - June 6	Dixon Entrance, Chatham Sound, Browning Entrance	Water Column: O_2	T,S		
50-0006	H.M.C.S. CEDARWOOD	Sept. 15	Scott Shelf	Water Column: O_2	T,S,S/V		
51-0009	C.N.A.V. EHKOLI (Institute of Oceanogrphy, University of British Columbia, Vancouver, B.C.)	June 8 - Aug. 1	Belize Inlet, Seymour Inlet, Rivers Inlet, Burke Channel, Dean Channel, Roscoe Inlet, Alison Sound, Draney Inlet, Fitz Hugh Sound, Gardner Sound, Devastion Channel, Verney Passage, North Bentinck Arm	Water Column: O_2	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
51-0009 (cont'd)			South Bentinck Arm, Douglas Channel, Minette Bay Kildala Arm, Grenville Channel, Chatham Sound, Work Channel, Portland Inlet, Observatory Inlet, Hastings Arm, Ogden Channel, Petrel Channel, Laredo Sound				
53-0015A	C.G.M.V. CANCOLIM II (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 14-25	Queen Charlotte Sound	Water Column: O_2	T,S	Secchi depth	
53-0015B	C.G.M.V. CANCOLIM II (Institute of Oceanography, University of British Columbia Vancouver, B.C.)	July 16 - Aug. 8	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Masset Inlet	Water Column: O_2	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
54-0012A	H.M.C.S. CEDARWOOD (Pacific Oceanographic Group, Nanaimo, B.C.)	May 6-27	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S, bottom sediment type	Secchi depth and colour	
54-0012B	C.N.A.V. EHKOLI (Pacific Oceanographic Group, Nanaimo, B.C.)	July 1-15	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S, bottom sediment type	Secchi depth and colour	
54-0012C	H.M.C.S. CEDARWOOD (Pacific Oceanographic Group, Nanaimo, B.C.)	Aug. 18 - Sept. 7	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S, bottom sediment type	Secchi depth and colour	
54-0012D	H.M.C.S. CEDARWOOD (Pacific Oceanographic Group, Nanaimo, B.C.)	Nov. 19 - Dec. 2	Queen Charlotte Sound	Water Column: O_2	T,S, bottom sediment type	Secchi depth and colour	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
55-0012	H.M.C.S. CEDARWOOD (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	July 10	Smith Inlet	Water Column: O_2	T,S	Secchi depth	
55-0013	H.M.C.S. CEDARWOOD (Pacific Oceanographic Group, Nanaimo, B.C.)	June 9-23	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S, Sfc Current		
56-0008	H.M.C.S. CEDARWOOD (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	July 14-22	Rivers Inlet, Burke Channel, Cascade Inlet, Dean Channel, Roscoe Inlet, Labouchere Channel, Kwatna Inlet, North Bentinck Arm	Water Column: O_2	T,S	Secchi depth	
56-0009	C.N.A.V. EHKOLI (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 12, 13	Queen Charlotte Strait	Water Column: O_2, PO_4	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
57-0007A	H.M.C.S. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Sept. 30	Queen Charlotte Sound	Water Column: O_2, PO_4	T,S,S/V	Secchi depth	
57-0007B	H.M.C.S. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Dec. 2-17	Dixon Entrance, Queen Charlotte Sound	Water Column: O_2	T,S,S/V		
57-0008	H.M.C.S. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Feb. 21	Dixon Entrance	Water Column: O_2, PO_4	T,S,BT	Plankton: species composition and numerical abundance	
57-0009	M.V. HORIZON	Aug. 19	Dixon Entrance	Water Column: O_2	T,S,S/V		
58-0007	H.M.C.S. OSHAWA	Mar. 16	Queen Charlotte Sound	Water Column: O_2	T,S,BT	Secchi depth, Plankton: species composition and wet weight	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
58-0008	H.M.C.S. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	June 26 - July 1	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2, pH, alk_t, alk_{CO_3}, SiO_3, Fe, NO_3, NO_2, NH_3, P	T,S, surface radiation, mean K_{4300}, ED, MD, BT		
58-0009	C.N.A.V. WHITETHROAT (Pacific Oceanographic Group, Nanaimo, B.C.)	Nov. 19 - Dec. 2	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2, SiO_3, NO_3	T,S,BT	Secchi depth	
59-0011A	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	June 21-30	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2, NO_3	T,S,S/V,BT	Secchi depth	
59-0011B	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Dec. 3-10	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2, NO_3	T,S,S/V,BT	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
59-0011C	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Apr. 13-21	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2, NO_3	T,S,S/V,BT		
60-0011	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Aug. 29 - Sept. 6	Dixon Entrance, Queen Charlotte Sound	Water Column: O_2	T,S,S/V,BT	Secchi depth	
60-0012	C.N.A.V. OSHAWA	Oct. 21-26	Queen Charlotte Strait, Queen Charlotte Sound, Dixon Entrance, Smith Inlet	Water Column: O_2	T,S,S/V,BT		
61-0016	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Apr. 12	Queen Charlotte Sound	Water Column: O_2	T,S,S/V		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
61-0017A	C.N.A.V. WHITETHROAT (Pacific Oceanographic Group, Nanaimo, B.C.)	July 28 - Aug. 3	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait	Water Column: O_2	T,S,S/V,BT	Secchi depth	
61-0017B	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Oct. 4-17	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait	Water Column: O_2	T,S,S/V,BT	Secchi depth	
61-0018	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Feb. 12-15	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S,S/V,BT	Secchi depth	
61-0019	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	June 3-14	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: O_2	T,S,S/V,	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
61-0020	M.V. HUGH M. SMITH R.V. STRANGER C.N.A.V. WHITETHROAT C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Sept. 2-4	Dixon Entrance	Water Column: O_2	T,S,BT		Operation Leapfrog
61-0021	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	July 11-12	Hecate Strait	Water Column: O_2, chl. a, chl. c, SiO_3, NO_3, N, C, carbohydrate, plant carotene, soluble organics	T,S	diatoms, detritus, small flagellates, dinoflagellates	
61-0022	C.S.S. EHKOLI (Pacific Oceanographic Group, Nanaimo, B.C.)	Sept. 15-21	Fisher Channel, Cousins Inlet, Prince Rupert Harbour, Chatham Sound, Porpoise Channel, Wainwright Basin	Water Column: O_2, pH, alk_t, alk_{CO_3}	T,S, currents	Secchi depth and colour	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
62-0015A	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Jan. 18-24	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait	Water Column: O_2	T,S,S/V,BT	Secchi depth	
62-0016	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	June 8-23	Dixon Entrance, Queen Charlotte Sound	Water Column: O_2	T,S,S/V,BT	Secchi depth	
62-0017	C.N.A.V. WHITETHROAT (Pacific Oceanographic Group, Nanaimo, B.C.)	Feb. 15	Seymour Inlet	Water Column: O_2	T,S,S/V,BT		
62-0018	C.N.A.V. OSHAWA (Pacific Oceanographic Group, Nanaimo, B.C.)	Sept. 19 - Oct. 6	Dixon Entrance	Water Column: O_2	T,S,S/V		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
62-0019	C.H.S. EHKOLI (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 18-20	Belize Inlet, Seymour Inlet, Mereworth Sound, Alison Sound	Water Column: O_2	T,S	Secchi depth	
62-0020	C.S.S. EHKOLI (Pacific Oceanographic Group, Nanaimo, B.C.)	Apr. 11-26	Fisher Channel, Cousins Inlet, Douglas Channel, Kitimat Arm, Prince Rupert Harbour, Chatham Sound, Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin, Denise Inlet, Inverness Passage	Water Column: O_2, pH, alk_t, alk_{CO_3}	T,S, currents	Secchi depth and colour	
63-0011A	C.N.A.V. WHITETHROAT (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 16-19	Burke Channel, Dean Channel, Cascade Inlet, Roscoe Inlet, North Bentinck Arm	Water Column: O_2	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
63-0011B	C.N.A.V. WHITETHROAT (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 7-8	Rivers Inlet, Fisher Channel, Burke Channel, Dean Channel	Water Column: O_2	T,S		
63-0011C	C.N.A.V. WHITETHROAT (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 27-30	Gardener Canal, Douglas Channel, Porcher Island, Portland Inlet, Khutzeymateen Inlet	Water Column: O_2	T,S	Secchi depth	
64-0010	M.V. ACONA	Sept. 27,28	Queen Charlotte Sound, Whale Channel, Chatham Sound	Water Column: O_2	T,S,S/V		
64-0011	C.N.A.V. WHITETHROAT (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 4, 14	Dixon Entrance	Water Column: O_2	T,S	Secchi depth	

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64-0012	C.S.S. EHKOLI (Pacific Oceanographic Group, Nanaimo, B.C.)	Oct. 16-28	Fisher Channel, Cousins Inlet, Douglas Channel, Kitimat Arm, Prince Rupert Harbour, Chatham Sound, Porpoise Channel, Porpoise Harbour, Wainwright Basin, Inverness Passage	Water Column: O_2, pH, alk_t, alk_{CO_3}	T,S, currents	Secchi depth and colour	
65-0011	M.V. ACONA	Jan. 10 - Sept. 30	Whale Channel, Ogden Channel, Fitz Hugh Sound	Water Column: O_2, SiO_3	T,S,S/V		
65-0012	C.F.A.V. ENDEAVOUR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Aug. 14, 15	Dixon Entrance, Queen Charlotte Sound	Water Column: O_2	T,S	Secchi depth	
65-0015A	FISHERIES RESEARCH BOARD OF CANADA	June	Cousins Inlet	Bottom Sediment: H_2S			

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65-0015B	FISHERIES RESEARCH BOARD OF CANADA	July	Cousins Inlet, Kitimat Arm, Porpoise Harbour, Wainwright Basin, Morse Basin	Bottom Sediment: H_2S, C	microscopy, sedimentation rate		
65-0015C	FISHERIES RESEARCH BOARD OF CANADA	Sept.	Kitimat Arm, Cousins Inlet, Wainwright Basin, Porpoise Harbour, Morse Basin	Bottom Sediment: H_2S, C	microscopy, sedimentation rate		
66-0013	C.F.A.V. ENDEAVOUR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 11-14	Burke Channel, Dean Channel, Gardner Canal, Douglas Channel, Portland Inlet, Observatory Inlet, Hastings Arm	Water Column: O_2	T,S	Secchi depth	
66-0016	M.V. G.B. REED (Pacific Oceanographic Group, Nanaimo, B.C.)	Feb. 24 - Mar. 16	Dixon Entrance, Hecate Strait	Water Column: NO_3		Secchi depth	samples taken on fishing cruise

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
66-0017	M.V. G.B. REED (Pacific Oceanographic Group, Nanaimo, B.C.)	July 7	Dixon Entrance	Water Column: NO_3			samples taken on fishing cruise
67-0008	C.S.S. PARRY (Pacific Oceanographic Group, Nanaimo, B.C.)	July 10 - Aug. 7	Prince Rupert Harbour, Chatham Sound, Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2	T,S	Secchi depth and colour	
67-0009	A.P. KNIGHT (Pacific Oceanographic Group, Nanaimo, B.C.)	Sept. 27-28	Douglas Channel, Kitimat Arm	Water Column: O_2, pH, alk_t, alk_{CO_3}	T,S	Secchi depth and colour	
67-0014	EUROCAN PULP AND PAPER CO. LTD. (Pacific Environment Institute, Vancouver, B.C.)	July 9-11	Kitimat Arm	Water Column: O_2	T,S		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
67-0015	M.V. G.B. REED (Pacific Oceanographic Group, Nanaimo, B.C.)	June 29 - July 12	Dixon Entrance	Water Column: **NO_3**			Samples taken on fishing cruise
67-0016	M.V. G.B. REED (Pacific Oceanographic Group, Nanaimo, B.C.)	Nov. 11-23	Queen Charlotte Sound	Water Column: **NO_3**		Secchi depth	
67-0017	B.C. FISH AND WILDLIFE	June	Skedans Island, Athlow Bay, Queen Charlotte Islands	Biota: (birds) **BHC, DDE, DDT, o,p'-DDT, p,p'-DDT, DDD**			all marine birds of the Queen Charlotte Islands were considered to be inside the study area due to their mobility
67-0018A	C.F.A.V. LAYMORE (Geological Survey of Canada, Ottawa, Ont.)	June 12-17	Queen Charlotte Sound	Bottom Sediment: **CO_3, OC,** TOC	sediment particle grain size, clay-size sediment mineralogy, heavy minerals, glauconite		[OC] = [TOC] - [CO_3]
67-0018B	C.F.A.V. LAYMORE (Geological Survey of Canada Ottawa, Ont.)	July 7-12	Queen Charlotte Sound	Bottom Sediment: **CO_3, OC,** TOC	sediment particle grain size, clay-size sediment mineralogy, heavy minerals, glauconite		[OC] = [TOC] - [CO_3]

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
68-0011A	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 27	Belize Inlet, Seymour Inlet	Water Column: O_2	T,S	Secchi depth	
68-0011B	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	July 16	Belize Inlet	Water Column: O_2	T,S	Secchi depth	
68-0012	H.M.C.S. CEDARWOOD	Sept. 19	Dixon Entrance	Water Column: O_2	T,S,S/V		
68-0013	C.F.A.V. ENDEAVOUR (Geological Survey of Canada, Ottawa, Ont.)	Aug. 19-30	Queen Charlotte Sound	Bottom Sediment: CO_3, OC, TOC	sediment particle grain size, clay-size sediment mineralogy, heavy minerals, glauconite		[OC] = [TOC] - [CO_3]
68-0014A	B.C. FISH AND WILDLIFE	April	Queen Charlotte Islands	Biota: (birds) o,p'-DDT, p,p'-DDT DDT, DDE, DDD, DDN, BHC			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
68-0014B	B.C. FISH AND WILDLIFE	June	Queen Charlotte Islands	Biota: (birds) **p,p'-DDT, DDT, DDE, DDD, DDN, BHC**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
69-0018	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 1-3	Seymour Inlet, Belize Inlet, Burke Channel, Dean Channel, North Bentinck Arm	Water Column: O_2	T,S	Secchi depth	
69-0019	C.F.A.V. ENDEAVOUR (Geological Survey of Canada, Ottawa, Ont.)	June 17-19	Queen Charlotte Sound	Bottom Sediment: CO_3, OC, TOC	sediment particle grain size, clay-size sediment mineralogy, heavy minerals, glauconite		$[OC] = [TOC] - [CO_3]$
69-0020A	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	April - May	Langara Island	Biota: (birds) **PCB**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility

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69-0020B	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June	Langara Island	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
69-0020C	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Aug.	Langara Island	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
69-0035A	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	May	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			water samples taken during high slack tide
69-0035B	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	June	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			water samples taken during high slack tide

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
69-0035C	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	July	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			water samples taken during low slack tide
69-0035D	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	Sept.	Porpoise Channel, Porpoise Harbour, Wainwright Basin	Water Column: O_2			water samples taken during low slack tide
70-0020A	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	May 24,25	Seymour Inlet, Belize Inlet	Water Column: O_2	T,S		
70-0020B	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 21-23	Burke Channel, Dean Channel, Roscoe Inlet, Mathieson Channel, Sheep Inlet, Finlayson Channel, North Bentinck Arm	Water Column: O_2	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
70-0020C	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	July 25,26	Queen Charlotte Sound, Belize Inlet, Seymour Inlet, Smith Inlet	Water Column: O_2	T,S		
70-0023A	B.C. FISH AND WILDLIFE	May	High Island, Queen Charlotte Islands	Biota: (birds) **p,p'-DDT, DDT, DDE, DDD, HCE, DDN, LIND;** (seals) **p,p'-DDT, DDT, DDE, DDD, HCE, DDN, Hg, PCB**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
70-0023B	B.C. FISH AND WILDLIFE	June	Kunghit Island, Queen Charlotte Islands	Biota (birds) **p,p'-DDT, DDT, DDE, DDD, HCE, DDN, LIND**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility

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70-0023C	B.C. FISH AND WILDLIFE	Aug. 14	Langara Island	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
70-0024A	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June	Skedans Island	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
70-0024B	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Aug.	Langara Island	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
70-0034A	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	Jan.	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			conducted to assess impact of diverting red liquor to Wainwright Basin

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
70-0034B	CANADIAN CELLULOSE LTD. (Prince Rupert, B.C.) and DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	June 3-13	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			after CanCel mill shut down
70-0034C	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	July 23 - Aug 12	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			conducted after start-up of CanCel mill
71-0019A	C.F.A.V. ENDEAVOUR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Feb. 11	Smith Inlet	Water Column: O_2	T,S		
71-0019B	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Aug. 18	Belize Inlet	Water Column: O_2	T,S		

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71-0027A	B.C. FISH AND WILDLIFE	May	Hibben Island, Rainy Island, Langara Island, Bowles Point, Collision Bay, Anthony Island, Marble Island, Knox Island, Lyell Island, Flamingo Inlet, Tanu Island, Athlow Bay, Frederick Island, Howay Island, Queen Charlotte Islands	Biota: (birds) **p,p'-DDT, DDT, DDE, DDD, HCE, DDN, Hg, PCB;** (seals): **p,p'-DDT DDT, DDE, DDD, PCB**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
71-0027B	B.C. FISH AND WILDLIFE	June	Frederick Island, Queen Charlotte Islands	Biota: (birds) **o,p'-DDT, p,p'-DDT, DDT, DDE, DDD, Hg**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
71-0027C	B.C. FISH AND WILDLIFE	Dec.	Queen Charlotte Islands	Biota: (birds) **o,p'-DDT, p,p'-DDT, DDT, DDE, DDD, Hg**			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility
71-0028	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1971	Porpoise Harbour, Chatham Sound	Water Column: O_2, pH	T,S, turbidity	TLLC, Benthos: species composition and numerical abundance	
71-0029	FISHERIES RESEARCH BOARD OF CANADA (Halifax, N.S.)	1971	Hecate Strait, Prince Rupert	Biota: (fish) **Hg**			
71-0030	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	1971-1976	B.C. West Coast	Biota: (fish, clams, oysters) **Hg, Pb, Cd, As, Se, Ag, Cr, Cu, Zn, Ni, Mo, V, Mn, Sb, Sn**			end of sampling period approximate; all fish off B.C.'s west coast were considered to be inside the inventory area due to their mobility

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
71-0039A	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	June 8	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			
71-0039B	DEPARTMENT OF FISHERIES (Environmental Protection Service, Vancouver, B.C.)	Aug. 22	Porpoise Channel, Porpoise Harbour, Wainwright Basin, Morse Basin	Water Column: O_2			
72-0025	C.S.S. VECTOR (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 24-26	Burke Channel, Dean Channel, Roscoe Inlet, Mathieson Channel, Kynoch Inlet, Finlayson Channel, Sheep Passage, Mussel Inlet, North Bentinck Arm, South Bentinck Arm	Water Column: O_2	T,S	Secchi depth	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
72-0026A	C.F.A.V. LAYMORE (Marine Service, Pacific Environment Institute, West Vancouver, B.C.)	June	Kitimat Harbour	Water Column: F	S		
72-0026B	C.F.A.V. LAYMORE (Marine Service, Pacific Environment Institute, West Vancouver, B.C.)	July	Kitimat Harbour, Douglas Channel	Water Column: F	S		
72-0036A	C.F.A.V LAYMORE (National Museum of Natural Sciences, Ottawa, Ont.)	July 1	Cousins Inlet	Water Column: O_2		Polychaetes: species composition and numerical abundance	
72-0036B	C.F.A.V LAYMORE (National Museum of Natural Sciences, Ottawa, Ont.)	Dec. 3-4	Cousins Inlet	Water Column: O_2	S	Polychaetes: species composition and numerical abundance	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
72-0037	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1972	Porpoise Harbour, Chatham Sound	Water Column: O_2, pH	T,S, turbidity	TLLC, Benthos: species composition and numerical abundance	
73-0024	C.F.A.V. LAYMORE (Fisheries and Marine Service, Pacific Environmental Institute, West Vancouver, B.C.)	June	Kitimat Harbour	Interstitial Water: F	S		
73-0029	C.F.A.V. LAYMORE (National Museum of Natural Sciences, Ottawa, Ont.)	April 2	Swanson Bay, Coolidge Point, Ocean Falls Harbour	Water Column: O_2	T, sediment type	Polychaetes: species composition and numerical abundance	
73-0030	MISCELLANEOUS FISHERMEN (Environmental Protection Service, Vancouver, B.C.)	1973-1974	B.C. West Coast	Biota: (fish) PCB			all fish were considered to be within the inventory area due to their mobility

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
73-0031A	18' WORK BOAT (Pollution Control Branch, Victoria, B.C.)	April 9-11	Prince Rupert, Chatham Sound	Water Column: O_2, pH, NO_3, PO_4, NH_3, TOC, HEC, TR	T,S, tide, turbidity	TLLC, fecal coliforms, colour, PBI	
73-0031B	18' WORK BOAT (Pollution Control Branch, Victoria, B.C.)	July 10-12	Prince Rupert, Chatham Sound	Water Column: O_2, pH, NO_3, PO_4, NH_3, TOC, HEC	T,S, tide, turbidity	TLLC, fecal coliforms, colour, PBI	
73-0031C	18' WORK BOAT (Pollution Control Branch, Victoria, B.C.)	Oct. 24-25	Prince Rupert, Chatham Sound	Water Column: O_2, pH, NO_3, PO_4, NH_3, TOC, HEC	T,S, tide, turbidity	TLLC, fecal coliforms, colour, Secchi depth, PBI	
73-0032	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1973	Porpoise Harbour, Chatham Sound	Water Column: O_2,	T,S, turbidity	TLLC, Benthos: species composition and numerical abundance	
74-0040A	MARINE STUDIES GROUP (Environmental Protection Service, Vancouver, B.C.)	July 9	Porpoise Harbour	Water Column: O_2	T,S	taxonomy: intertidal flora and fauna	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
74-0040B	MARINE STUDIES GROUP (Environmental Protection Service, Vancouver, B.C.)	Aug. 6-9	Porpoise Harbour	Water Column: O_2	T,S	taxonomy: intertidal flora and fauna	
74-0041	C.F.A.V. LAYMORE (National Museum of Natural Sciences, Ottawa, Ont.)	Aug. 1-19	Cousins Inlet, Coolidge Point, Ocean Falls Harbour	Water Column: O_2	sediment type	Polychaetes: species composition and numercial abundance	
74-0042	SEATECH II (Dobrocky Seatech Ltd. for Amax Canada Ltd.)	June 20-30	Alice Arm, Hastings Arm	Water Column: **chl. a, Mo, Cd, Zn, Pb, Cu, Ag, Cr, Ni, Fe** Bottom Sediment: (sub-tidal, inter-tidal) **Mo, Cd, Zn, Pb, Cu, Ag, Cr, Ni, Fe** Biota: (mussels, fish, crabs) **Mo, Cd, Zn, Pb, Cu, Ag, Cr, Ni, Fe**	sediment particle grain size, tides, currents		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
74-0043	SEATECH II (Dobrocky Seatech Ltd. for North coast Environmental Analysis Team)	Oct. 22,23	Prince Rupert Harbour, Chatham Sound	Water Column: O_2	T,S, transmissibility		
74-0044	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1974	Porpoise Harbour, Chatham Sound	Water Column: O_2,	T,S, turbidity	TLLC, Benthos: species composition and numerical abundance	
74-0045A	C.S.S. STEWART (Geological Survey of Canada, Pat Bay, B.C.)	June 18-21	Skeena Delta	Bottom Sediment: OC, N		data for this data set obtained from unpublished original worksheets	
74-0045B	C.F.A.V ENDEAVOUR (Geological Survey of Canada, Pat Bay, B.C.)	Aug. 25-28	Skeena Delta, Prince Rupert Harbour, Ogden Channel, Chatham Sound	Bottom Sediment: OC, N		data for this data set obtained from unpublished original worksheets	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
74-0050A	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June 11	Cousins Inlet	Water Column: O_2	T,S, sediment type	Benthos: species composition	water samples taken during rising tide
74-0050B	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Sept. 4	Cousins Inlet	Water Column: O_2	T,S, sediment type	Benthos: species composition	water samples taken during rising tide
75-0061	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June 24,25	Kitimat Arm	Water Column: O_2, Cu, Pb, Fe, Cd, Hg Bottom Sediment: Co, Cu, Fe, Mn, Ni, Pb, Zn, Al, F	T,S sediment particle grain size	Benthos: species composition and numerical abundance	all water sampling done on rising tide; F not reported due to lack of confidence in results
75-0062	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June	Queen Charlotte Islands	Biota: (birds) PCB			all marine birds of the Queen Charlotte Islands were considered to be inside the inventory area due to their mobility

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
75-0063	C.F.A.V. LAYMORE (National Museum of Natural Sciences, Ottawa, Ont.)	Nov. 19	Cousins Inlet, Swanson Bay, Coolidge Point, Ocean Falls Harbour	Water Column: O_2	T,S, sediment type	Polychaetes: species composition and numerical abundance	
75-0064	SEATECH II (Dobrocky Seatech Ltd. for Amax, Canada Ltd.)	July 9-27	Alice Arm, Hastings Arm	Water Column: **O_2, pH, chl. a, Cd, Cu, Mo, Pb, Zn, W, Hg, As** Bottom Sediment: **Cu, Zn, Mo, Pb, Cd, W, Hg** Biota: (algae, crabs, fish, mussels, cockles, shrimp, crows, zooplankton) **Cu, Zn, Mo, Pb, Cd, W, Hg**	sediment particle grain size	Secchi depth	PC-5
75-0065	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1975	Porpoise Harbour, Chatham Sound	Water Column: O_2,		TLLC, Benthos: species composition and numerical abundance	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
76-0047	KITIMAT II (Environmental Protection Service, Vancouver, B.C.)	June	Granby Bay, Alice Arm	Intertidal Sediment: **Cu, Pb, Zn, Cd, Ni, Mn, Co, Ag, Fe, Hg**			includes results from mine tailings disposal area
76-0048	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1976	Porpoise Harbour, Chatham Sound	Water Column: **O_2, pH**		TLLC, Benthos: species composition and numerical abundance	
76-0049	C.F.S. PARIZEAU (Geological Survey of Canada, Pat Bay, B.C.)	May 11,12	Scott Shelf	Bottom Sediment: **$CaCO_3$**	sediment particle grain size; mineralogy; ^{14}C dating		data for this data set obtained from unpublished original worksheets
76-0050	SEATECH II (Dobrocky Seatech Ltd. for Amax Canada Ltd.)	Aug. 18	Alice Arm	Bottom Sediment: **Al, Sb, As, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Ga, Au, Pb, Mg, Mn, Mo, Nb, Ni, K, Ag, Na, Sr, Ta, Th, Sn, Ti, W, U, V, Zn** Biota: (mussels) **Al, Sb, As, Ba, Be, Bi, B, Cd, Cr, Co, Cu, Ga, Au, Fe, Pb, Mn, Mo, Nb, Ni, K, Ag, Sr, Ta, Th, Sn, Ti, W, U, V, Zn**	sediment particle grain size		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
77-0042A	SEA LION (Dobrocky Seatech Ltd., Pat Bay, B.C.)	July 10-16	Douglas Channel, Verney Passage, Gardner Canal, Squally Channel	Water Column: O_2	T,S		
77-0042B	M.V. SEA LION (Dobrocky Seatech Ltd., Pat Bay, B.C.)	Sept. 29 - Oct. 2	Kitimat Arm, Douglas Channel, Gardner Canal	Water Column: O_2	T,S		
77-0042C	M.V. SEA LION (Dobrocky Seatech Ltd., Pat Bay, B.C.)	Dec. 14-17	Kitimat Arm, Douglas Channel, Gardner Canal	Water Column: O_2	T,S		
77-0042D	M.V. SEA LION (Dobrocky Seatech Ltd., Pat Bay, B.C.)	Mar. 11-13	Kitimat Arm, Douglas Channel, Gardner Canal	Water Column: O_2	T,S		
77-0042E	M.V. SEA LION (Dobrocky Seatech Ltd., Pat Bay, B.C.)	June 11-12	Kitimat Arm, Douglas Channel, Gardner Canal	Water Column: O_2	T,S		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
77-0043	C.S.S. PARIZEAU (Institute of Ocean Sciences, Pat Bay, B.C.)	Feb. 8-13	Kitimat Arm, Porpoise Harbour, Douglas Channel, Hecate Strait	Water Column: O_2, NO_3, SiO_3, PO_4, hydrocarbons Bottom Sediment: ^{210}Pb, OC, hydrocarbons, tarballs, plastics	T,S water content, porosity	Mussels and Plankton: species composition and numerical abundance	
77-0057A	C.S.S. PARIZEAU (Institute of Ocean Sciences, Pat Bay, B.C.)	May 12	Queen Charlotte Sound	Water Column: O_2, NO_3, PO_4, SiO_3	T,S, S/V		
77-0057B	C.F.A.V. ENDEAVOUR (Institute of Ocean Sciences, Pat Bay, B.C.)	July 13	Queen Charlotte Sound, Laredo Sound, Principe Channel, Caamaño Channel	Water Column: O_2, NO_3, PO_4, SiO_3	T,S, S/V		nutrient data lost due to freezer failure
77-0057C	C.S.S. PARIZEAU (Institute of Ocean Sciences, Pat Bay, B.C.)	Sept. 14	Queen Charlotte Sound, Laredo Sound, Principe Channel	Water Column: O_2, NO_3, PO_4, SiO_3	T,S, S/V		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
77-0058	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June	Porpoise Harbour	Water Column: O_2	T,S		
77-0059	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June	Alice Arm, Hastings Arm	Biota (bivalves, algae) Cu, Pb, Zn, Cd, Fe			composite samples
77-0060	24' BOAT (Canadian Cellulose Ltd., Prince Rupert, B.C.)	1977	Porpoise Harbour, Chatham Sound	Water Column: O_2			
77-0061	GEOLOGICAL SURVEY OF CANADA (Pat Bay, B.C.)	Aug. 14-17	Kitimat Arm	Bottom Sediment: OC, N			data for this data set obtained from unpublished original worksheets
77-0062	C.F.S. PANDORA II (Geological Survey of Canada, Pat Bay, B.C.)	June 8	Scott Shelf	Bottom Sediment: $CaCO_3$	sediment particle grain size; mineralogy; ^{14}C dating		data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0028C	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Aug. 16-21	Dixon Entrance, Hecate Strait, Whale Channel, Princess Royal Channel, Fisher Channel, Rivers Inlet, Smith Inlet, Smith Sound,	Water Column: **chl. a, phaeo.**	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	
78-0028D	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Sept. 18-26	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Grenville Channel, Whale Channel, Tolmie Channel, Dean Channel, Lama Passage	Water Column: **chl. a, phaeo., PO_4, NO_3**	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	
78-0028E	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Oct. 19-25	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait, Grenville Channel, Princess Royal Channel, Milbanke Sound, Fitz Hugh Sound	Water Column: **chl. a, phaeo., PO_4, NO_3**	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0028F	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Jan. 3-5	Hecate Strait, Queen Charlotte Sound	Water Column: chl. a, phaeo., PO_4, NO_3 + NO_2	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	
78-0028G	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Apr. 2-7	Hecate Strait, Queen Charlotte Sound, Princess Royal Channel, Milbanke Sound, Fitz Hugh Sound	Water Column: chl. a, phaeo., PO_4, NO_3 + NO_2	T,S,BT	Phytoplankton and Zooplankton: species composition and numerical abundance	
78-0029A	M.V. SEA LION (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	June 21-27	Kitimat Arm, Principe Channel, Caamaño Sound, Gardner Canal	Water Column: O_2, PO_4, SiO_3, NO_3, SPM, PAH Bottom Sediment: ANTH + PHEN, FLAN, PYRN, CHRY + B(a)A, BFS, BPS + PERY, n-alkanes, RCM, UCM, OC, ^{210}Pb	T,S		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0029A (cont'd)				Biota: (mussels) **PHEN + ANTH, FLAN, PYRN, CHRY + B(a)A, BFS, BPS + PERY, n-alkanes, RCM, UCM**			
78-0029B	M.V. SEA LION (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	Oct. 20-25	Kitimat Arm, Douglas Channel, Gardner Canal, Principe Channel	Water Column: **O_2, PO_4, SiO_3, NO_3, SPM, PAH** Bottom Sediment: **ANTH + PHEN, FLAN, PYRN, CHRY + B(a)A, BFS, BPS + PERY, n-alkanes, RCM, UCM, OC** Biota: (heart urchins, mussels, mysids) **PHEN + ANTH, FLAN, PYRN, CHRY + B(a)A, BFS, BPS, n-alkanes, RCM, UCM**	T,S		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0029C1	M.V. SEA LION (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	Feb. 8-13, 1979	Kitimat Arm, Douglas Channel, Gardner Canal, Squally Channel, Whale Channel	Water Column: O_2, PO_4, SiO_3, NO_3, SPM, PAH Bottom Sediment: ANTH + PHEN, FLAN, PYRN, CHRY + B(a)A, BFS, BPS, PERY, n-alkanes, RCM, UCM, OC	T,S		
78-0029C2	M.V. SILVER TOKEN (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	Feb. 5-15, 1979	Douglas Channel, Kitimat Arm	Biota: (mussels) PHEN + ANTH, FLAN, CHRY + B(A)A, BFS, BPS, n-alkanes, RCM, UCM		histopathology of mussels	
78-0037	ENVIRONMENTAL PROTECTION SERVICE (Vancouver, B.C.)	July	Porpoise Harbour, Wainwright Bain	Water Column: O_2	T,S		
78-0038	NS	1978	Porpoise Harbour, Porpoise Channel	Biota: (crab) PCB			

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0039	C.F.S. PARIZEAU (Institute of Ocean Sciences, Pat Bay, B.C.)	Oct. 10-18	Alice Arm, Hastings Arm, Dixon Entrance	Water Column: **Pb, $^{206}Pb/^{207}Pb$, $^{206}Pb/^{208}Pb$, $^{206}Pb/^{204}Pb$**			
				Interstitial Water: Cu, Pb, Zn, Cd, Mn, pH, Eh			data not available as of Dec. 1986; PC-7
				Bottom Sediment: **OC, S, Pb,** Cu, Cd, Zn, Fe, Mn			some data not available as of Dec. 1986; PC-7
	(Environmental Protection Service, Vancouver, B.C.)		Alice Arm, Hastings Arm	Bottom Sediment: **Cu, Pb, Zn, Cd, Fe, Ni, Mn, Co, Ag, U, ^{226}Ra, ^{210}Pb, ^{230}Th**			
				Biota: (bivalves, algae, crabs, shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Cr, Fe**		wet weight/ dry weight for all biota	some composite samples
78-0040	C.F.S. PANDORA II (Geological Survey of Canada, Pat Bay, B.C.)	May 28 - June 4	Scott Shelf	Bottom Sediment: **$CaCO_3$**	sediment particle grain size, mineralogy, ^{14}C dating		data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
78-0041A	NS	Jan.	Porpoise Harbour	Bottom Sediment: PCB			
78-0041B	NS	July	Porpoise Harbour	Bottom Sediment: PCB			
79-0036A	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.	May 10-16	Dixon Entrance, Hecate Strait, Queen Charlotte Strait, Portland Inlet, Grenville Channel, Douglas Channel, Princess Royal Channel, Fitz Hugh Sound	Water Column: chl. a, phaeo., SiO_3, NO_3 + NO_2, PO_4	T,S, BT	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km
79-0036B	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.	June 24-30	Dixon Entrance, Hecate Strait, Queen Charlotte Sound	Water Column: chl. a, phaeo., SiO_3, NO_3 + NO_2, PO_4	T,S, BT	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
79-0036C	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	July 17-28	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Portland Inlet, Princess Royal Channel, Milbanke Sound	Water Column: **chl. a, phaeo.,, SiO_3, NO_3 + NO_2, PO_4**	T,S, BT	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km
79-0036D	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C).	Jan. 31 - Feb. 8, 1980	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Grenville Channel, Whale Channel, Milbanke Sound, Fitz Hugh Sound	Water Column: **chl. a, phaeo., SiO_3, NO_3 + NO_2, PO_4**	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km
79-0036E	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	Apr. 11-17, 1980	Dixon Entrance, Hecate Strait, Queen Charlotte Sound, Queen Charlotte Strait, Princess Royal Channel, Fitz Hugh Sound, Milbanke Sound	Water Column: **chl. a, phaeo., SiO_3, NO_3 + NO_2, PO_4**	T,S	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
79-0036F	M.V. IMPERIAL TOFINO (Institute of Oceanography, University of British Columbia, Vancouver, B.C.)	June 1-6, 1980	Dixon Entrance, Hecate Strait, Queen Charlotte Strait, Grenville Channel, Whale Channel, Milbanke Sound, Fitz Hugh Sound	Water Column: **chl. a, phaeo., SiO_3, NO_3 + NO_2, PO_4**	T,S, BT	Phytoplankton and Zooplankton: species composition and numerical abundance	all samples drawn over a distance of ~ 1.3 km
79-0051	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	June 3-10	Porpoise Harbour, Tuck Inlet, Prince Rupert Harbour,	Water Column: **O_2** Bottom Sediment: **Cd, Cu, Fe, Hg, Mn, Ni, Pb, Zn, Cr, V, PCB, OC** Biota: (crabs) **PCB**	CTD, sediment particle grain size		sediment particle grain size analysis and OC not available as of Dec./86
79-0054A	M.V. SILVER TOKEN (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	April 8-13	Kitimat Arm	Biota: (clams, mussels) **PHEN + ANTH, FLAN, CHRY + B(a)A, BFS, BPS, n-alkanes, RCM, UCM**		histopathology of mussels	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
79-0054B	M.V. SILVER TOKEN (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	May 7-9	Emsley Point	Bottom Sediment: **PHEN + ANTH, FLAN, PYRN, CHRY + B(a)A, BFS, BPS, PERY, OC, n-alkanes, RCM, UCM, ^{210}Pb**			
79-0055	INSTITUTE OF OCEAN SCIENCES (Pat Bay, B.C.)	March	Cape St. James	Water Column: **$^{206}Pb/^{207}Pb$ $^{206}Pb/^{204}Pb$ $^{206}Pb/^{208}Pb$**			
79-0056A	M.V. G.B. REED (Geological Survey of Canada, Pat Bay, B.C.)	June 26 - July 13	Browning Entrance, Hecate Strait	Bottom Sediment: **$CaCO_3$, Al, Ba, Cd, Cr, Cu, Fe, Hg, Mg, Mn, Mo, Ni, Pb, Si, Sn, Sr, Ti, V, Zn**			data for this data set obtained from unpublished original worksheets
79-0056B	M.V. G.B. REED (Geological Survey of Canada, Pat Bay, B.C.)	Sept. 6-21	Hecate Strait	Bottom Sediment: **$CaCO_3$, Al, Ba, Cd, Cr, Cu, Fe, Hg, Mg, Mn, Mo, Ni, Pb, Si, Sn, Sr, Ti, V, Zn**			data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
80-0042A	DEPARTMENT OF FISHERIES AND OCEANS	April 22 - June 29	Masset Inlet, Yakoun River and Estuary	Water Column: O_2, NO_3, NO_2, NH_3, TKN, chl. a Bottom Sediment: chl. a, DON, NO_3, NH_3, P Biota: chl. a	S, tides	Zooplankton and Phytoplankton: biomass abundance Fish: numerical abundance and size	before trial fertilization on June 29
80-0042B	DEPARTMENT OF FISHERIES AND OCEANS	June 30 - July 4	Masset Inlet, Yakoun River and Estuary	Water Column: NO_3, NO_2, NH_3, TKN, chl. a Bottom Sediment: DON, NO_3, NH_3, P Biota: (algae) chl. a	S, tides	Zooplankton and Phytoplankton: biomass, abundance Fish: numerical abundance and size	before trial fertilization on June 29

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
80-0043A	C.S.S. VECTOR (Institute of Ocean Sciences, Pat Bay, B.C.)	May 20-30	Portland Inlet, Alice Arm	Water Column: **Pb, Zn, Cd, $^{206}Pb/^{207}Pb$, $^{206}Pb/^{208}Pb$, $^{206}Pb/^{204}Pb$**			
				Interstitial Water: Cu, Pb, Zn, Cd, Mn, pH, Eh			data not released as of Dec. 1985; PC-7
				Bottom Sediment: Cu, Cd, Zn, Pb, Fe, Mn			
				Biota: (crabs, shrimp, flatfish) metallothionein, protein			
	(ENVIRONMENTAL PROTECTION SERVICE, Vancouver, B.C.)		Alice Arm, Hastings Arm	Bottom Sediment: **Mo, Cu, Pb, Zn, Cd, Fe, Ni, Mn, Cr, T, V, Hg, Al, Si**			
				Biota: (crabs, shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Cr, Fe**		wet weight/ dry weight for all biota	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
80-0043B	C.S.S. VECTOR (Institute of Ocean Sciences, Pat Bay, B.C.)	Oct. 6-19	Portland Inlet, Alice Arm	Water Column: **Pb, Zn, Cd, 206Pb/207Pb, 206Pb/208Pb, 206Pb/204Pb**			
				Interstitial Water: Cu, Pb, Zn, Cd, Mn, pH, Eh, PO_4 SiO_3			PC-3; data not released as of Dec. 1985; PC-7
				Bottom Sediment: Cu, Cd, Zn, Pb, Fe, Mn			
				Biota: (species not specified) metallothionein, protein			
	ENVIRONMENTAL PROTECTION SERVICE, (Vancouver, B.C.)		Alice Arm, Hastings Arm	Biota: (shrimp, algae, bivalves, crabs, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	
80-0052	ENVIRONMENTAL PROTECTION SERVICE (Vancouver, B.C.)	Aug. 20-21	Porpoise Channel, Porpoise Harbour, Wainwright Basin	Water Column: O_2	T,S		water samples taken on rising tide

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
81-0018	C.S.S. PARIZEAU (Ocean Chemistry and Coastal Zone Oceano-Institute of Ocean Sciences, Pat Bay, B.C.)	Dec. 3-7	Alice Arm, Observatory Inlet	Water Column: **O_2, PO_4, SiO_3, NO_3**	T,S		PC-6; O_2 data for this data set obtained from unpublished original worksheets
81-0019A	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	May	Chatham Sound	Biota: (shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	
81-0019B	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Oct.	Chatham Sound	Biota: (shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	
81-0020	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Oct.	Laredo Sound	Biota: (bivalves, shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
81-0021A	SEAKEM OCEANOGRAPHY LTD. AND ENVIRON-MENTAL SCIENCES LTD. (for Dome Petroleum Limited, Calgary, Alta.)	May 23	Port Simpson Bay	Water Column: O_2	T,S, current		
81-0021B	SEAKEM OCEANOGRAPHY LTD. AND ENVIRON-MENTAL SCIENCES LTD. (for Dome Petroleum Limited, Calgary, Alta.)	Aug. 25	Port Simpson Bay	Water Column: O_2	T,S, current		
81-0021C	SEAKEM OCEANOGRAPHY LTD. AND ENVIRON-MENTAL SCIENCES LTD. (for Dome Petroleum Limited, Calgary, Alta.)	Nov. 26	Port Simpson Bay	Water Column: O_2	T,S, current		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
81-0021D	SEAKEM OCEANOGRAPHY LTD. AND ENVIRON-MENTAL SCIENCES LTD. (for Dome Petroleum Limited, Calgary, Alta.)	Jan. 26, 1982	Port Simpson Bay	Water Column: O_2	T,S, current		
81-0022	C.F.A.V. ENDEAVOUR (Environmental Protection Service, Vancouver, B.C.)	Aug. 4-5	Port Simpson Bay, Chatham Sound	Water Column: O_2, PO_4, NO_3, NO_2, NH_3, chl. a, phaeo. Bottom Sediment: Cu, Fe, Mn, Ni, Pb, Zn, Cd, Hg, organic content	T,S, sediment particle grain size	Benthos: species composition and numerical abundance Otter trawl for fish, large benthic invertebrates examination of intertidal region	
81-0023	C.S.S. VECTOR (Institute of Ocean Sciences, Pat Bay, B.C.)	July 8-12	Kitimat Arm	Water Colum: SPM, chl. a	T,S		data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
81-0024A	C.S.S. VECTOR (Environmental Protection Service, Vancouver, B.C.)	May - June	Hastings Arm, Alice Arm	Biota: (bivalves, crabs, shrimp, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	occasional composite samples
81-0024B	C.S.S. VECTOR (Ocean Chemistry, Institute of Ocean Sciences, Pat Bay, B.C.)	Oct. 16-30	Portland Inlet, Alice Arm, Hastings Arm	Water Column: **Pb, Zn, Cd, $^{206}Pb/^{208}Pb$, $^{206}Pb/^{207}Pb$, $^{206}Pb/^{204}Pb$**			
				Interstitial Water: Cu, Pb, Zn, Cd, Mn, Mo, pH, Eh			data not released as of Dec. 1985; PC-7
	(Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)		Hastings Arm, Alice Arm, Observatory Inlet, Portland Inlet,	Water Column: **O_2**			PC-6

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
82-0025B	M.V. ARRAWAC FREIGHTER (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	Oct.	Portland Inlet, Alice Arm	Water Column: **Pb, Zn, Cd,** $^{206}Pb/^{207}Pb$, $^{206}Pb/^{208}Pb$, $^{206}Pb/^{204}Pb$	T,S		isotope data not available as of Feb. 1986
82-0034	C.S.S. PARIZEAU (Ocean Chemistry and Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	Jan. 28-29	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: **O_2, PO_4, SiO_3, NO_3**	T,S		PC-6; O_2 data for this data set obtained from unpublished original worksheets
82-0036	C.S.S. VECTOR (Ocean Chemistry and Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	June 6-22	Alice Arm, Observatory Inlet	Water Column: **O_2, PO_4, SiO_3, NO_3**, STP	T,S		PC-6; analysis of STP not released as of Feb. 1986; O_2 data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
81-0024B (cont'd)	(Environmental Protection Service, Vancouver, B.C.)		Hastings Arm, Alice Arm	Bottom Sediment: **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, V, Al**			
				Biota: (bivalves, crabs, sea cucumbers, shrimp, snails, fish) **Cu, Pb, Zn, Cd, As, Mo, Ni, Cr, Fe, Mn, Mg, Al**		wet weight/ dry weight for all biota	occasional composite samples
81-0050	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	Aug. 3,4	Porpoise Channel, Porpoise Harbour, Wainwright Basin	Water Column: O_2	T,S		water samples taken on rising tide
82-0025A	M.V. ARRAWAC FREIGHTER (Seakem Oceanography Ltd. for Institute of Ocean Sciences, Pat Bay, B.C.)	June	Portland Inlet, Alice Arm	Water Column: **Pb, Zn, Cd, $^{206}Pb/^{208}Pb$, $^{206}Pb/^{207}Pb$, $^{206}Pb/^{204}Pb$**	T,S		

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
82-0037	C.F.S. PARIZEAU (Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	Aug. 30 - Sept. 4	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: O_2			PC-6; data for this data set obtained from unpublished original worksheets
82-0038	C.S.S. VECTOR (Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	Nov. 25-30	Alice Arm, Observatory, Hastings Arm	Water Column: O_2			PC-6; data for this data set obtained from unpublished original worksheets
82-0039	C.S.S. VECTOR (Ocean Chemistry and Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	Mar. 24 - Apr. 5	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: O_2, chl.a, PO_4, SiO_3, NO_3, SPM, trace metals, STP	T,S		trace metal and STP data not released as of Feb. 1986

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
82-0040	C.S.S. VECTOR (Ocean Chemistry, Institute of Ocean Sciences, Pat Bay, B.C.)	Sept. 24-29	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: **O_2, chl. a, SPM, SiO_3, NO_3, PO_4,** STP	T,S,		analysis of STP not released as of Feb. 1986
82-0045	ENVIRON-MENTAL PROTECTION SERVICE (Vancouver, B.C.)	April 29	Porpoise Channel, Porpoise Harbour	Water Column: **O_2**	T,S, water colour		water samples taken on rising tide
83-0002	C.F.A.V. ENDEAVOUR (Department of Fisheries and Oceans)	July 2-10	Queen Charlotte Sound, Hecate Strait	Sea water: **O_2, NO_3, PO_4, SiO_3 chl a, ^{14}C primary product-ivity (Pm),** in-situ fluorescence	T,S, in-situ light, beam attenuance	phytoplankton (species composi-tion and numerical abundance), zooplank-ton species and numerical abundance	

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
83-0003	C.S.S. VECTOR (Institute of Ocean Sciences, Pat Bay, B.C.; Royal Roads Military College (Chemistry Dept.), Victoria, B.C.; Environmental Protection Service, Vancouver, B.C.)	July 10-12	Lama Passage, Tolmie Channel, Alice Arm, Hastings Arm	Water Column: O_2, NO_3, PO_4, chl. a, Hg, OAs, IAs Interstitial Water: OAs, IAs Bottom Sediment: OAs, IAs Biota: (plankton) OAs, IAs	T,S		data not released as of Dec. 1985
83-0014	C.S.S. VECTOR (Ocean Chemistry and Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	Jan. 20,21	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: O_2, STP	T,S		PC-6; analysis of STP not released as of Feb. 1986; O_2 data for this data set obtained from unpublished original worksheets
83-0015	C.S.S. VECTOR (Coastal Zone Oceanography, Institute of Ocean Sciences, Pat Bay, B.C.)	April 13,14	Alice Arm, Observatory Inlet, Hastings Arm	Water Column: O_2			PC-6; data for this data set obtained from unpublished original worksheets

DATA SET I.D.	COLLECTING AGENCY, SHIP	DATES OF MEASUREMENT	AREA	CHEMICAL QUANTITIES MEASURED OR SAMPLED	CONCURRENT PHYSICAL MEASUREMENTS	CONCURRENT BIOLOGICAL MEASUREMENTS	REMARKS
83-0062A	DEPARTMENT OF FISHERIES AND OCEANS C.S.S. ENDEAVOUR	Oct. 8 - November 2	Hastings Arm Alice Arm	Biota (crabs)		weight, length, sex	
83-0062B	C.S.S. VECTOR (DEPARTMENT OF FISHERIES AND OCEANS)	Oct. 7-10	Alice Arm Hastings Arm	Biota (clam): **Cd, Zn, Cu, Fe, Pb**		shell length, width, tissue lysis, pathology, gut contents, kidney length	Qualitative histochemical analysis of metal containing intercellular granules
84-0036	DEPARTMENT OF FISHERIES AND OCEANS	February 1984	Observatory Inlet	Biota (Cockles); **As, Cd, Cr, Cu, Pb, Mn, Hg, Mo, Ni, Zn**		dorsal-ventral length; anterior-posterior length; wet weight tissue	

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8. DATA INVENTORY TABLE 2.

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NOTES APPLICABLE TO TABLE 2

The following notes are referred to in the remarks column of Table 2.

NOTE 1.

Delta value
The delta value (in parts per thousand) is defined as:

$$\delta Y = \left(\frac{R_X}{R_{ST}} - 1 \right) \times 1000$$

where δY = ^{13}C, ^{18}O, ^{34}S etc.

R_X = isotopic ratio of unknown (e.g. $^{18}O/^{16}O$)

R_{ST} = isotopic ratio of standard

The standard is Chicago PDB for carbon; SMOW (Standard Mean Ocean Water) for oxygen and CDT (Cañon Diablo Troilite) for sulphur.

NOTE 2.

Ratings for dissolved heavy metals and nutrients were downgraded to 0 if values reported for background conditions exceeded the concentrations listed below. These "upper limit values" are based on generally accepted maximum published values for unpolluted coastal areas.

Element	Concentration $\mu mol\ m^{-3}$
Mn	180
Fe	180
Zn	76
Cr	19
Cu	79
Pb	5
Cd	9
Ni	85
Co	85
Mo	52
Hg	0.1
As	67
	$mmol\ m^{-3}$
Si	70
NO_3-N	30
PO_4-P	3.0

A double rating score, (x,0) indicates that some (unspecified) samples may have a rating of 0 while others are of higher data qualtiy.

NOTE 3.

Silicate determined on samples having salinity values less than 27×10^{-3} that have been stored by freezing are prone to large uncertainties (see Section 5.5.3). In the inventory a value of 0 is assigned to those samples for which the above conditions prevail. A double rating of (0, x) indicates some data with a 0 rating (low salinity, stored by freezing) and others with a rating of x.

NOTE 4.

When results are quoted on a WWB and no water content is given, a 4-rating is impossible because of the large variability (perhaps ±50% or more) possible among the samples. Where no water content is given for results when wet weight basis is used, "NOTE 4" is indicated in the remarks column. A maximum rating score of 2 is assigned.

NOTE 5.

Reference materials having certified values for given constituents that are greatly different from values obtained with "unknown" samples may not be good measures of the performance of the analytical method used. As a result, data shown in this inventory were limited to a maximum rating score of 2 when the mean value of the reference material differed from the mean value of data points by an order of magnitude or more. Choice of this criterion is totally subjective.

NOTE 6.

When appropriate reference materials have been used and when these indicate analyte recoveries less than 50% or greater than 150% of the expected (certified) values, a serious problem with the analytical method is suspected. The data are downrated to a maximum score of 1.

NOTE 7.

No estimate of precision or accuracy was made for the actual data in the data set. The report indicates values for accuracy and precision that might be achievable by some under optimum conditions.

NOTE 8.

This note identifies cases where the matrix of the reference material used to validate the method and estimate accuracy is judged to be sufficiently

different from that of the sample so as to make the results obtained for the reference material irrelevant for assessing the quality of the sample data (see additional information, Section 5.1 E). In these cases the maximum rating score is 2. Examples of inappropriate use of reference materials are (1) use of National Bureau of Standards SRM 1577 (Bovine Liver), National Bureau of Standards SRM 1566 (Oyster tissue) or National Bureau of Standards RM 50 (Tuna) to validate seaweed analyses and (2) use of National Bureau of Standards SRM 1571 (Orchard Leaves) to validate seaweed, fish and mammal tissue analyses.

NOTE 9.

All or almost all of the values reported for a data set are less than the detection limit. In such cases, it is impossible to interpret any of the data. Maximum rating is 2 because with additional information some estimation of ranges may be possible. The most probable data rating for these data, however, is zero.

ADDITIONAL COMMENTS ABOUT TABLE 2.

Use of NPG

where NPG (No Position Given) is used in the remarks column it appears only on the first line of the data set but applies to all parameters of the data set unless specifically indicated otherwise.

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DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES x.d.i.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
37-0004	SEA WATER	O_2	mol m^{-3}	14	130	130	NS	NS	NS	NS	NS	0.089 - 3.24	0.22	0.22	2	
38-0002	SEA WATER	O_2	mol m^{-3}	57	304	304	Ekman bottles	none, analysis on shipboard	WT	NS	NS	0.070 - 0.401	0.233	0.265	2	
50-0006	SEA WATER	O_2	mol m^{-3}	1	2	2	NS	none, analysis on shipboard	WT	NS	NS	0.143 - 0.184	0.164	0.164	2	
51-0009	SEA WATER	O_2	mol m^{-3}	182	1758	1758	NS	NS	WT	NS	NS	0.013 - 0.526	0.227	0.216	2	
53-0015A	SEA WATER	O_2	mol m^{-3}	7	40	40	Mark II Fjarlie reversing bottles	NS	WT	NS	NS	0.110 - 0.294	0.233	0.248	2	
53-0015B	SEA WATER	O_2	mol m^{-3}	62	407	407	Mark II Fjarlie reversing bottles	NS	WT	NS	NS	0.052 - 0.386	0.251	0.264	2	
54-0012A	SEA WATER	O_2	mol m^{-3}	70	559	559	sfc: canvas bucket; depth: Fjarlie bottles	NS	WT	NS	NS	0.003 - 0.403	0.276	0.299	2	
54-0012B	SEA WATER	O_2	mol m^{-3}	53	419	419	sfc: canvas bucket; depth: Fjarlie bottles	NS	WT	NS	NS	0.071 - 0.414	0.248	0.268	2	
54-0012C	SEA WATER	O_2	mol m^{-3}	64	516	516	sfc: canvas bucket; depth: Fjarlie bottles	NS	WT	NS	NS	0.056 - 0.406	0.224	0.236	2	
54-0012D	SEA WATER	O_2	mol m^{-3}	13	104	104	sfc: canvas bucket; depth: Fjarlie bottles	NS	WT	NS	NS	0.102 - 0.289	0.254	0.268	2	
55-0012	SEA WATER	O_2	mol m^{-3}	6	61	61	NS	NS	WT	NS	NS	0.053 - 0.333	0.204	0.230	2	
55-0013	SEA WATER	O_2	mol m^{-3}	83	528	528	sfc: canvas bucket; depth: Fjarlie bottles	NS	WT	NS	NS	0.056 - 0.383	0.251	0.276	2	
56-0008	SEA WATER	O_2	mol m^{-3}	57	616	616	NS	NS	WT	NS	NS	0.007 - 0.507	0.212	0.204	2	
56-0009	SEA WATER	O_2	mol m^{-3}	12	86	86	Acme water bottles	NS	WT	NS	NS	0.142 - 0.441	0.322	0.316	2	
		PO_4	mol m^{-3}	12	86	86	Acme water bottles	NS	colorimetry	NS	NS	0.59 - 2.05	1.38	1.42	2	
57-0007A	SEA WATER	O_2	mol m^{-3}	1	9	9	sfc: metal bucket; depth: reversing bottles	NS	Strickland (1957)	NS	NS	0.114 - 0.266	0.199	0.211	2	
		PO_4	mmol m^{-3}	1	9	9	sfc: metal bucket; depth: reversing bottles	NS	Strickland (1957)	NS	NS	0.68 - 2.42	1.68	1.80	2	
57-0007B	SEA WATER	O_2	mol m^{-3}	8	78	78	sfc: metal bucket; depth: reversing bottles	NS	Strickland (1957)	NS	NS	0.088 - 0.294	0.225	0.275	2	
57-0008	SEA WATER	O_2	mol m^{-3}	1	12	12	sfc: canvas bucket; depth: NS	none, analysis on shipboard	modified WT	NS	NS	0.133 - 0.301	0.235	0.221	2	
		PO_4	mmol m^{-3}	1	12	12	sfc: canvas bucket; depth: NS	none, analysis on shipboard	Robinson and Thompson (1948)	NS	NS	2.32 - 3.44	2.89	2.82	2	
57-0009	SEA WATER	O_2	mol m^{-3}	1	11	11	NS	NS	NS	NS	NS	0.103 - 0.322	0.190	0.153	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
58-0007	SEA WATER	O_2	mol m^{-3}	5	52	52	sfc: galvanized metal bucket; depth: Nansen and Fjarlie bottles	NS	WT	NS	NS	0.024 - 0.398	0.224	0.283	2	
58-0008	SEA WATER	O_2	mol m^{-3}	5	43	43	Fjarlie bottles	NS	WT	NS	NS	0.131 - 0.317	0.259	0.285	2	
		pH	pH units	4	15	15	Fjarlie bottles	NS	Strickland (1958)	NS	NS	7.82 - 8.30	Note 11	8.22	2	pH corrected for in situ temperature and pressure
		alk_t	meq L^{-1}	4	8	8	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	2.05 - 2.30	2.18	2.18	2	no. milliequivalents of H^+ neutralized by 1 L of sea water in presence of a strong acid
		alk_{CO_3}	meq L^{-1}	4	8	8	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	1.97 - 2.27	2.12	2.11	2	no. milliequivalents of H^+ neutralized by 1 L of sea water in converting CO_3 and HCO_3^- to CO_2
		SiO_3	mmol m^{-3}	4	36	35	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	<0.1 - 58.5	16.5	11.1	2	
		Fe (reactive particulate)	mmol m^{-3}	4	7	7	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.047 - 0.150	0.085	0.065	2	
		Fe (reactive soluble)	mmol m^{-3}	3	6	6	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.07 - 0.17	0.13	0.13	2	
		Fe (reactive total)	mmol m^{-3}	3	5	5	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.147 - 1.135	0.412	0.280	2	
		NO_3	mmol m^{-3}	4	28	19	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	<0.3 - 20.0	5.4	1.8	2	
		NO_2	mmol m^{-3}	4	18	18	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.03 - 0.35	0.15	0.13	2	
		NH_3	mmol m^{-3}	4	15	13	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	<0.20 - 4.35	1.36	1.10	2	
		P (total)	mmol m^{-3}	4	16	16	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.83 - 2.82	1.52	1.32	2	
		P (particulate)	mmol m^{-3}	4	16	16	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.03 - 0.60	0.27	0.22	2	
		P (inorganic)	mmol m^{-3}	4	24	24	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.39 - 2.63	0.96	0.67	2	
		P (organic)	mmol m^{-3}	4	16	16	Fjarlie bottles	frozen (-30°C) if analysis delayed	Strickland (1958)	NS	NS	0.16 - 0.86	0.42	0.39	2	
58-0009	SEA WATER	O_2	mol m^{-3}	24	225	225	sfc: PE bucket; depth: NS	BOD bottles; immediate shipboard analysis	Strickland (1958)	NS	NS	0.089 - 0.326	0.255	0.282	2	
		SiO_3	mmol m^{-3}	6	47	47	sfc: PE bucket; depth: NS	NS	Strickland (1958)	NS	NS	17.1 - 67.1	36.0	35.1	2	
		NO_3	mmol m^{-3}	3	17	17	sfc: PE bucket; depth: NS	NS	Strickland (1958)	NS	NS	8.2 - 15.6	10.5	10.0	2	
59-0011A	SEA WATER	O_2	mol m^{-3}	38	489	489	NS	BOD bottles; immediate shipboard analysis	WT	NS	NS	0.067 - 0.444	0.232	0.253	2	
		NO_3	mmol m^{-3}	3	12	12	NS	NS	NS	NS	NS	0.22 - 34.40	9.03	5.10	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES xd.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
59-0011B	SEA WATER	O_2	mol m^{-3}	31	239	289	NS	BOD bottles; immediate shipboard analysis	WT	NS	NS	0.108 - 0.319	0.278	0.296	2	
		NO_3	mmol m^{-3}	4	20	20	NS	NS	Strickland (1958)	NS	NS	3.7 - 19.2	12.0	13.2	2	
59-0011C	SEA WATER	O_2	mol m^{-3}	49	456	456	sfc: PE bucket; depth: NS	BOD bottles immediate shipboard analysis	Strickland (1958)	NS	NS	0.062 - 0.508	0.279	0.301	2	
		NO_3	mmol m^{-3}	3	17	17		NS	Strickland (1958)	NS	NS	4.7 - 34.6	14.3	15.9	2	
60-0011	SEA WATER	O_2	mol m^{-3}	4	34	34	sfc: thermoplastic bucket; depth: Fjarlie and Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.110 - 0.282	0.210	0.214	2	
60-0012	SEA WATER	O_2	mol m^{-3}	16	170	170	sfc: thermoplastic bucket; depth: Fjarlie and Nansen bottles	BOD bottles; immediate shipboard analysis	modified WT	NS	NS	0.065 - 0.336	0.202	0.219	2	
61-0016	SEA WATER	O_2	mol m^{-3}	2	16	16	sfc: bucket; depth: Nansen bottles	none, analysis on shipboard	modified WT	NS	NS	0.160 - 0.307	0.276	0.295	2	
61-0017A	SEA WATER	O_2	mol m^{-3}	44	470	470	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.067 - 0.488	0.245	0.247	2	
61-0017B	SEA WATER	O_2	mol m^{-3}	72	780	780	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.064 - 0.305	0.202	0.216	2	
61-0018	SEA WATER	O_2	mol m^{-3}	18	190	190	sfc: bucket; depth: Fjarlie and Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.034 - 0.308	0.266	0.289	2	
61-0019	SEA WATER	O_2	mol m^{-3}	5	74	74	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.020 - 0.331	0.192	0.219	2	
61-0020	SEA WATER	O_2	mol m^{-3}	5	45	45	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.106 - 0.276	0.197	0.213	2	
61-0021	SEA WATER	O_2	mol m^{-3}	3	20	20	NS	NS	WT	NS (Note 7)	NS	0.065 - 0.312	0.238	0.275	2	
		chl. a	mg m^{-3}	3	4	4	NS	NS	spectrophotometry	NS (Note 7)	NS	0.8 - 4.1	1.7	0.9	2	
		chl. c	MSPU m^{-3}	3	4	4	NS	NS	spectrophotometry	NS (Note 7)	NS	0.50 - 2.50	1.10	0.75	2	
		plant carotene	MSPU m^{-3}	3	4	4	NS	NS	spectrophotometry	NS (Note 7)	NS	0.50 - 1.04	0.71	0.65	2	
		TKN	mmol m^{-3}	3	3	3	NS	NS	micro Kjeldahl-Nessler method	NS (Note 7)	NS	2.2 - 3.6	2.7	2.3	2	
		carbo-hydrate	mg m^{-3}	3	3	3	NS	NS	reaction with anthrone	NS (Note 7)	NS	149 - 253	196	187	2	
		C	mol m^{-3}	3	4	4	NS	NS	H_2SO_4/Cr_2O_7 oxidation	NS (Note 7)	NS	0.170 - 0.395	0.321	0.359	2	
		NO_3	mmol m^{-3}	3	4	4	NS	NS	reduction to NO_2; modified Greiss technique	NS (Note 7)	NS	0.63 - 11.15	3.75	1.61	2	
		SiO_3	mmol m^{-3}	3	4	4	NS	NS	silicomolybdate formation; metal-sulphite oxalic acid reduction	NS (Note 7)	NS	4.5 - 21.1	11.4	10.0	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
61-0022	SEA WATER	O_2	mol m^{-3}	34	285	272	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	modified WT	NS	NS	< d.l. - 0.309	NC	0.165	2	d.l. not given
		pH	pH units	34	280	280	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	6.01 - 8.19	Note 11	7.78	2	
		alk_t	meq L^{-1}	28	246	246	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.10 - 2.43	1.88	1.99	2	
		alk_{CO_3}	meq L^{-1}	28	246	246	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.10 - 2.40	1.86	1.98	2	
62-0015A	SEA WATER	O_2	mol m^{-3}	37	373	373	sfc: metal bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.098 - 0.326	0.269	0.299	2	
62-0016	SEA WATER	O_2	mol m^{-3}	5	50	50	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.106 - 0.311	0.245	0.273	2	
62-0017	SEA WATER	O_2	mol m^{-3}	1	8	8	sfc: bucket; depth: Nansen and Fjarlie bottles	BOD bottles for a few h	modified WT	NS	NS	0.245 - 0.300	0.279	0.279	2	
62-0018	SEA WATER	O_2	mol m^{-3}	23	291	291	sfc: bucket; depth: Nansen bottles	BOD bottles for a few h	modified WT	NS	NS	0.089 - 0.297	0.187	0.187	2	
62-0019	SEA WATER	O_2	mol m^{-3}	16	133	133	NS	NS	WT	NS	NS	0.014 - 0.494	0.167	0.162	2	
62-0020	SEA WATER	O_2	mol m^{-3}	55	359	358	sfc: bucket; depth: Fjarlie bottles	none, immediate shipboard analysis	modified WT	NS	NS	< d.l. - 0.375	NC	0.278	2	d.l. not given
		pH	pH units	55	357	357	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	6.05 - 9.21	Note 11	7.84	2	
		alk_t	meq L^{-1}	55	499	499	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.05 - 2.41	1.99	2.06	2	
		alk_{CO_3}	meq L^{-1}	55	496	496	sfc: bucket; depth: Fjarlie bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.05 - 2.39	1.95	2.04	2	
63-0011A	SEA WATER	O_2	mol m^{-3}	28	244	244	NS	NS	WT	NS	NS	0.021 - 0.343	0.153	0.147	2	
63-0011B	SEA WATER	O_2	mol m^{-3}	6	59	59	NS	NS	WT	NS	NS	0.098 - 0.348	0.207	0.194	2	
63-0011C	SEA WATER	O_2	mol m^{-3}	18	184	184	NS	NS	WT	NS	NS	0.112 - 0.397	0.215	0.187	2	
64-0010	SEA WATER	O_2	mol m^{-3}	3	24	24	NS	NS	NS	NS	NS	0.079 - 0.257	0.166	0.158	2	
		NO_2	mmol m^{-3}	3	24	24	NS	NS	NS	NS	NS	0.01 - 0.38	0.13	0.10	2	
		NO_3	mmol m^{-3}	3	24	24	NS	NS	NS	NS	NS	4.5 - 34.0	18.2	20.0	2	
64-0011	SEA WATER	O_2	mol m^{-3}	2	20	20	NS	NS	WT	NS	NS	0.090 - 0.347	0.193	0.172	2	
64-0012	SEA WATER	O_2	mol m^{-3}	47	417	413	sfc: bucket; depth: Nansen bottles	none, immediate shipboard analysis	modified WT	NS	NS	< d.l. - 0.380	NC	0.203	2	d.l. not given
		pH	pH units	47	416	416	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	4.62 - 8.05	Note 11	7.80	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
64-0012 (cont'd)		alk_t	meq L^{-1}	47	410	410	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.04 - 2.41	1.68	1.83	2	
		alk_{CO_3}	meq L^{-1}	47	416	416	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	0.04 - 2.47	1.65	1.80	2	
65-0011	SEA WATER	O_2	mol m^{-3}	3	43	43	NS	NS	NS	NS	NS	0.121 - 0.375	0.270	0.285	2	
		SiO_3	mmol m^{-3}	3	23	23	NS	NS	NS	NS	NS	1.4 - 6.7	4.4	4.5	2	
65-0012	SEA WATER	O_2	mol m^{-3}	3	24	24	NS	NS	WT	NS	NS	0.050 - 0.274	0.132	0.110	2	
65-0015A	BOTTOM SEDIMENT	H_2S	mol kg^{-1}	9	9	9	in situ gas collector; Werner and Waldichuk (1967)	none, analysis on ship	H_2S (g) absorbed in I_2 (1 M); HCl addition; thio-sulphate/starch indicator titration	NS	NS	0.079 - 0.296	0.145	0.105	2	
65-0015B	BOTTOM SEDIMENT	H_2S	mol kg^{-1}	14	14	14	in situ gas collector; Werner and Waldichuk (1967)	none, analysis on ship	H_2S (g) absorbed in I_2 (1 M); HCl addition; thio-sulphate/starch indicator titration	NS	NS	0.041 - 0.193	0.091	0.079	2	
		C (total)	mol kg^{-1}	13	13	13	jar held in iron cage	NS	combustion in O_2; heated catalyst oxidation; weight of CO_2 determined	NS	NS	1.72 - 34.65	13.83	8.78	2	
		C (inorganic)	mol kg^{-1}	13	13	3	jar held in iron cage	NS	HCl digestion; volume CO_2 determined	NS	NS	< d.l. - 1.19	NC	NC	1, 2	d.l. not given; Note 9
		C (plankton)	mol kg^{-1}	14	14	14	jar held in iron cage	NS	oxalic acid/acetone extraction; centri-fuged; optical density determined	NS	NS	0.09 - 0.83	0.31	0.25	2	
65-0015C	BOTTOM SEDIMENT	H_2S	mol kg^{-1}	17	17	17	in situ gas collector; Werner and Waldichuk (1967)	none, analysis on ship	H_2S (g) absorbed in I_2 (1 M); HCl addition; thio-sulphate/starch indicator titration	NS	NS	0.01 - 0.27	0.08	0.07	2	
		C (total)	mol kg^{-1}	14	14	14	jar held in iron cage	NS	combustion in O_2; heated catalyst oxidation; weight of CO_2 determined	NS	NS	2.02 - 39.36	14.96	9.36	2	
		C (inorganic)	mol kg^{-1}	14	14	3	jar held in iron cage	NS	HCl digestion; volume CO_2 determined	NS	NS	< d.l. - 2.41	NC	NC	1, 2	d.l. not given; Note 9
		C (plankton)	mol kg^{-1}	14	14	14	jar held in iron cage	NS	oxalic acid/acetone extraction; centri-fuged; optical density determined	NS	NS	0.01 - 1.07	0.36	0.23	2	
66-0013	SEA WATER	O_2	mol m^{-3}	39	409	409	NS	NS	WT	NS	NS	0.007 - 0.328	0.157	0.147	2	
66-0016	SEA WATER	NO_3	mmol m^{-3}	10	26	26	NS	NS	spectrophotometry S & P (1965)	NS	NS	9.3 - 26.4	12.9	11.0	2	
66-0017	SEA WATER	NO_3	mmol m^{-3}	1	1	1	NS	NS	spectrophotometry S & P (1965)	NS	NS	-	3.93	-	2	
67-0008	SEA WATER	O_2	mol m^{-3}	23	85	67	sfc: bucket; depth: Nansen bottles	none, immediate shipboard analysis	modified WT	NS	NS	< d.l. - 0.328	NC	0.143	1, 2	d.l. not given
67-0009	SEA WATER	O_2	mol m^{-3}	11	135	135	sfc: bucket; depth: Nansen bottles	none, immediate shipboard analysis	modified WT	NS	NS	0.007 - 0.351	0.234	0.231	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
67-0009 (cont'd)		pH	pH units	11	19	19	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	6.83 - 8.01	Note 11	7.25	2	
		alk_t	meq L^{-1}	3	20	13	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	< d.l. - 2.48	NC	0.66	2	d.l. not given
		alk_{CO_3}	meq L^{-1}	3	19	13	sfc: bucket; depth: Nansen bottles	none, analysis within 12 h on ship	model G or GS Beckman pH meter	NS	NS	< d.l. - 2.46	NC	0.99	2	d.l. not given
67-0014	SEA WATER	O_2	mol m^{-3}	5	42	42	Van Dorn bottle	NS	WT	NS	NS	0.21 - 0.35	0.30	0.32	2	
67-0015	SEA WATER	NO_3	mmol m^{-3}	3	3	3	NS	NS	spectrophotometry S & P (1965)	NS	NS	1.04 - 10.60	7.18	9.90	2	
67-0016	SEA WATER	NO_3	mmol m^{-3}	6	6	6	NS	NS	spectrophotometry S & P (1965)	NS	NS	2.1 - 11.8	7.6	8.1	2	
67-0017	BIOTA (Pigeon (Guillemot)	BHC	µmol kg^{-1}	1	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.01	NC	2	NPG; PC-1; liver - WWB; Note 4; data presented as mean value
			µmol kg^{-1}	1	5	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	NC	NC	2	eggs - WWB; Note 4; data presented as mean value
	(Rhinoceros Auklet)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.050	-	2	liver - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.045	-	2	liver - WWB; Note 4
	(Ancient Murrelet)	BHC	µmol kg^{-1}	3	10	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean values; d.l. not given
			µmol kg^{-1}	2	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.035	NC	2	head - WWB; Note 4; data presented as mean values
67-0018A	BOTTOM SEDIMENT (sand + mud fraction)	CO_3	mol kg^{-1}	71	71	49	Petersen device or Dietz-Lafond clam snapper	NS	ground in mortar (< 0.5 mm); Chittick apparatus; Dreimanis (1962)	NS	NS	< d.l. - 3.3	NC	0.2	2	d.l. not given
		OC	mol kg^{-1}	71	71	44	Petersen device or Dietz-Lafond clam snapper	NS	LECO carbon analyser	NS	NS	< d.l. - 1.4	NC	0.2	2	CO_3 subtracted to give non-carbonate organic carbon; d.l. not given
67-0018B	BOTTOM SEDIMENT (sand + mud fraction)	CO_3	mol kg^{-1}	46	46	38	Petersen device or Dietz-Lafond clam snapper	NS	ground in mortar (< 0.5 mm); Chittick apparatus; Dreimanis (1962)	NS	NS	< d.l. - 4.7	NC	0.3	2	d.l. not given
		OC	mol kg^{-1}	46	46	38	Petersen device or Dietz-Lafond clam snapper	NS	LECO carbon analyser	NS	NS	< d.l. - 2.0	NC	0.4	2	CO_3 subtracted to give non-carbonate organic carbon; d.l. not

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
68-0011A	SEA WATER	O_2	mol m^{-3}	12	112	112	NS	NS	WT	NS	NS	0.041 - 0.362	0.175	0.183	2	
68-0011B	SEA WATER	O_2	mol m^{-3}	2	22	22	NS	NS	WT	NS	NS	0.064 - 0.222	0.128	0.104	2	
68-0012	SEA WATER	O_2	mol m^{-3}	1	14	14	NS	NS	NS	NS	NS	0.135 - 0.271	0.199	0.186	2	
68-0013	BOTTOM SEDIMENT (sand + mud fraction)	CO_3	mol kg^{-1}	162	162	140	Petersen device or Dietz-Lafond clam snapper	NS	ground in mortar (< 0.5 mm); Chittick apparatus; Dreimanis (1962)	NS	NS	< d.l. - 8.5	NC	0.7	2	d.l. not given
		OC	mol kg^{-1}	163	163	121	Petersen device or Dietz-Lafond clam snapper	NS	LECO carbon analyser	NS	NS	< d.l. - 3.0	NC	0.2	2	CO_3 subtracted to give non-carbonate OC; d.l. not given
68-0014A	BIOTA (Oyster Catcher)	o,p'-DDT	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2CL_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	NPG; PC-1; liver - WWB; Note 4; data presented as mean value; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		DDE	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.063	NC	2	liver - WWB; Note 4; data presented as mean value
		DDD	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		DDT (total)	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.056	NC	2	liver - WWB; Note 4; data presented as mean value
	(Black Turnstone)	o,p'-DDT	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.338	NC	2	liver - WWB; Note 4; data presented as mean value
		DDE	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.23	NC	2	liver - WWB; Note 4; data presented as mean value
		DDD	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.524	NC	2	liver - WWB; Note 4; data presented as mean value
		DDT (total)	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	1.02	NC	2	liver - WWB; Note 4; data presented as mean value
		DDN	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.066	NC	2	liver - WWB; Note 4; data presented as mean value
	(Pigeon Guillemot)	o,p'-DDT	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
68-0019A (cont'd)		p,p'-DDT (total)	μmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		DDE	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.050	NC	2	liver - WWB; Note 4; data presented as mean value
		DDD	μmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NS	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		DDT	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.045	NC	2	liver - WWB; Note 4; data presented as mean value
		DDN	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.045	NC	2	liver - WWB; Note 4; data presented as mean value
		BHC	μmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean values; d.l. not given
	(Rhinoceros Auklet)	o,p'-DDT	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given; Note 9
		p,p'-DDT	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given; Note 9
		DDE	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.75	-	2	liver - WWB; Note 4
		DDD	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.02	-	2	liver - WWB; Note 4
		DDT (total)	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	2.49	-	2	liver - WWB; Note 4
	(Marbled Murrelet)	o,p'-DDT	μmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		p,p'-DDT	μmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		DDE	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.342	NC	2	liver - WWB; Note 4; data presented as mean value
		DDD	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	2.60	NC	2	liver - WWB; Note 4; data presented as mean value
		DDT (total)	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	2.66	NC	2	liver - WWB; Note 4; data presented as mean value
		DDN	μmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.068	NC	2	liver - WWB; Note 4; data presented as mean value

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
68-0014A (cont'd)	(Ancient Murrelet)	o,p'-DDT	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		p,p'-DDT	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		DDE	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.26	-	2	liver - WWB; Note 4
		DDD	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		DDT (total)	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.24	-	2	liver - WWB; Note 4
		BHC	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
68-0014B	BIOTA (Peregrine Falcon)	o,p'-DDT	μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	NPG; PC-1; egg - WWB; Note 4; d.l. not given
		p,p'-DDT	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	12.7	-	2	egg - WWB; Note 4
		DDE	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	71.0	-	2	egg - WWB; Note 4
		DDD	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	21.8	-	2	egg - WWB; Note 4
		DDT (total)	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.23	-	2	egg - WWB; Note 4
		BHC	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	96.2	-	2	egg - WWB; Note 4
	(Cassin's Auklet)	o,p'-DDT	μmol kg^{-1}	1	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
			μmol kg^{-1}	1	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	crop contents - WWB; Note 4; data presented as mean value; d.l. not given
		p,p'-DDT	μmol kg^{-1}	1	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
			μmol kg^{-1}	1	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	crop contents - WWB; Note 4; data presented as mean value; d.l. not given
		DDE	μmol kg^{-1}	1	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	1.79	NC	2	liver - WWB; Note 4; data presented as mean value
			μmol kg^{-1}	1	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	1.66	NC	2	crop contents - WWB; Note 4; data presented as mean value

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
68-0014B (cont'd)		DDD	µmol kg^{-1}	1	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	0.050	NC	2	liver - WWB; Note 4; data presented as mean value
			µmol kg^{-1}	1	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	< d.l.	NC	2	crop contents - WWB; Note 4; data presented as mean value; d.l. not given
		DDT (total)	µmol kg^{-1}	1	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	NC	1.65	NC	2	liver - WWB; Note 4; data presented as mean value
			µmol kg^{-1}	1	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	1.49	NC	2	crop contents - WWB; Note 4; data presented as mean value
	(Marbled Murrelet)	o,p'-DDT	µmol kg^{-1}	1	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	< d.l.	NC	2	liver - WWB; Note 4; data presented as mean value; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	0.12	NC	2	liver - WWB; Note 4; data presented as mean value
		DDE	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	0.19	NC	2	liver - WWB; Note 4; data presented as mean value
		DDD	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	0.090	NC	2	liver - WWB; Note 4; data presented as mean value
		DDT (total)	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	0.364	NC	2	liver - WWB; Note 4; data presented as mean value
		DDN	µmol kg^{-1}	1	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered GC	NS	NS	NC	0.029	NC	2	liver - WWB; Note 4; data presented as mean value
	(Ancient Murrelet)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	brain - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	brain - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.082	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
68-0014B (cont'd)			$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.15	-	2	brain - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.09	-	2	liver - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.082	-	2	muscle - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	3.39	-	2	fat - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.26	-	2	crop contents - WWB; Note 4
		DDD	$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	brain - WWB; Note 4; d.l. not given
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.090	-	2	liver - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given; Note 9
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.20	-	2	fat - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.13	-	2	brain - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.14	-	2	liver - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.073	-	2	muscle - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	3.23	-	2	fat - WWB; Note 4
			$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		BHC	$\mu mol\ kg^{-1}$	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	brain - WWB; Note 4; d.l. not given
69-0018	SEA WATER	O_2	$mol\ m^{-3}$	20	225	225	NS	NS	modified WT	NS	NS	0.020 - 0.396	0.213	0.222	2	
69-0019	BOTTOM SEDIMENT (sand + mud fraction)	CO_3	$mol\ kg^{-1}$	40	54	36	grabs: Petersen device or Dietz-Lafond clam snapper; cores: 2 or 4 metre long barrel	NS	ground in mortar (< 0.5 mm); Chittick apparatus; Dreimanis (1962)	NS	NS	< d.l. - 3.5	NC	0.2	2	d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
69-0019 (cont'd)		OC	mol kg^{-1}	40	54	34	grabs: Petersen device or Dietz-Lafond clam snapper; cores: 2 or 4 metre long barrel	NS	LECO carbon analyser	NS	NS	< d.l. - 1.7	NC	0.2	2	CO_3 subtracted to give non-carbonate OC; d.l. not given
69-0020A	BIOTA (Peregrine Falcon)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.25	0.13	NC	2	NPG; liver - WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	4.38 - 12.70	7.03	NC	2	egg - WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	NC	3.24	NC	2	chick - WWB; Note 4; data presented as mean value
69-0020B	BIOTA (Ancient Murrelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	NC	0.959	NC	2	NPG; chick - WWB; Note 4; data presented as mean value
	(Peregrine Falcon)		mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.387	0.19	NC	2	nestling breast muscle - WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.009 - 1.17	0.629	NC	2	nestling liver - WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.403 - 0.602	0.503	NC	2	nestling brain - WWB; Note 4; data presented as range and mean
69-0020C	BIOTA	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.775 - 1.770	1.410	NC	2	NPG; fat - WWB; Note 4; data presented as range and mean
69-0035A	SEA WATER	O_2	mol m^{-3}	5	NS	NS	NS	NS	NS	NS	NS	0.02 - 0.32	NC	NC	2	data presented as range
69-0035B	SEA WATER	O_2	mol m^{-3}	5	NS	NS	NS	NS	NS	NS	NS	0.05 - 0.29	NC	NC	2	data presented as range
69-0035C	SEA WATER	O_2	mol m^{-3}	5	NS	NS	NS	NS	NS	NS	NS	0.03 - 0.27	NC	NC	2	data presented as range
69-0035D	SEA WATER	O_2	mol m^{-3}	4	NS	NS	NS	NS	NS	NS	NS	< d.l. - 0.27	NC	NC	2	data presented as range; d.l. not given
70-0020A	SEA WATER	O_2	mol m^{-3}	3	33	33	NS	NS	NS	NS	NS	0.056 - 0.272	0.174	0.161	2	
70-0020B	SEA WATER	O_2	mol m^{-3}	31	344	344	NS	NS	NS	NS	NS	0.028 - 0.445	0.179	0.151	2	
70-0020C	SEA WATER	O_2	mol m^{-3}	4	42	42	NS	NS	NS	NS	NS	0.055 - 0.289	0.161	0.160	2	
70-0023A	BIOTA (Ancient Murrelet)	p,p'-DDT	μmol kg^{-1}	2	2	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.051	NC	NC	2	NPG; PC-1; muscle - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
70-0023A (cont'd)			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	1.5 - 11.2	6.3	6.3	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.4 - 11.2	5.8	5.8	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	8.5 - 12.9	10.7	10.7	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.57	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	2	2	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.37	NC	NC	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.9 - 3.4	2.2	2.2	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Notes 4, 9; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	10.9 - 13.8	12.4	12.4	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	13.8 - 21.9	17.9	17.9	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.51	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		HCE	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDN	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
70-0023A (cont'd)			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		LIND	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2[illegible] filtered; [illegible]	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2[illegible] filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Hair Seal)	p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.5	-	2	blubber - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.38	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	[illegible]genized; [illegible]Cl_2 extraction; filtered; GC	NS	NS	-	1.7	-	2	blubber - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	blubber - WWB; Note 4
	(total)	DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.34	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	3.44	-	2	blubber - WWB; Note 4
		HCE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given
		DDN	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given
		LIND	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given
	BIOTA (Pigeon Guillemot)	p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	NPG; PC-1; liver - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
70-0023A (cont'd)			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	4.03	-	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - Note 4; d.l. not given
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.4	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	2.0	-	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.1	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.56	-	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.98	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	6.35	-	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		HCE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDN	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES <d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
70-0023B (cont'd)			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		LIND	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Rhinoceros Auklet)	p,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.62	-	2	liver + other tissues - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	10.2	-	2	liver + other tissues - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.69	-	2	liver + other tissues - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	7.59	-	2	liver + other tissues - WWB; Note 4
		HCE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + other tissues - WWB; Note 4; d.l. not given
		DDN	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + other tissues - WWB; Note 4; d.l. not given
		LIND	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + other tissues - WWB; Note 4; d.l. not given
	(Marbled Murrelet)	p,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver + muscle + fat - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.3	-	2	liver + muscle + fat - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.34	-	2	liver + muscle + fat - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.7	-	2	liver + muscle + fat - WWB; Note 4
		HCE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + muscle + fat - WWB; Note 4; d.l. not given
		DDN	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + muscle + fat - WWB; Note 4; d.l. not given
		LIND	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver + muscle + fat - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
70-0023C	BIOTA (Rhinoceros Aukelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	1.28 - 6.02	3.65	NC	2	NPG; fat - WWB; Note 4; data presented as range and mean
70-0024A	BIOTA (Fork-Tailed Petrel)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	NC	1.52	NC	2	egg - WWB; Note 4; data presented as mean value
	(Glaucous Winged Gull)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	NC	0.487	NC	2	NPG; egg - WWB; Note 4; data presented as mean value
70-0024B	BIOTA (Rhinoceros Aukelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	1.28 - 6.02	3.65	NC	2	NPG; fat - WWB; Note 4; data presented as range and mean
70-0034A	SEA WATER	O_2	mol m^{-3}	5	NS	NS	NS	NS	NS	NS	NS	0.01 - 0.22	NC	NC	2	data presented as range
70-0034B	SEA WATER	O_2	mol m^{-3}	5	NS	NS	NS	NS	NS	NS	NS	NS	0.25	NS		data presented as mean values; means pooled
70-0034C	SEA WATER	O_2	mol m^{-3}	6	527	493	NS	NS	NS	NS	NS	< d.l. - 0.31	0.13	0.13	2	d.l. not given
71-0019A	SEA WATER	O_2	mol m^{-3}	1	11	11	NS	NS	modified WT	NS	NS	0.093 - 0.307	0.200	0.206	2	
71-0019B	SEA WATER	O_2	mol m^{-3}	2	22	22	NS	NS	modified WT	NS	NS	0.101 - 0.301	0.186	0.194	2	
71-0027A	BIOTA (Arctic Loon)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	NPG; PC-1; liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.65	-	2	fat - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	5.09	-	2	fat - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES <d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.56	-	2	fat - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	5.72	-	2	fat - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	-	0.1	-	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
	(Pelagic Cormorant)	o,p'-DDT	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.8 - 1.3	1.0	1.0	2	fat - WWB; Note 4
		DDE	µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.4 - 1.4	0.9	0.9	2	liver - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.5 - 1.1	0.9	0.9	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	4.14 - 4.90	4.52	4.52	2	fat - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES <d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
71-0027A (cont'd)		DDD	µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	2	2	liver - WWB; Notes 4, 9; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	2	2	muscle - WWB; Notes 4, 9; d.l. not given
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.8 - 1.5	1.2	1.2	2	fat - WWB; Note 4
		DDT (total)	µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.31 - 1.27	0.79	0.79	2	liver - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.48 - 0.99	0.76	0.76	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	2	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	5.25 - 6.12	5.70	5.70	2	fat - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	–	0.1	–	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	fat - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	fat - WWB; Note 4; d.l. not given
	(Glaucous Winged Gull)	o,p'-DDT	µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	ovary - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	3	6	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.11	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.93	NC	0.27	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 4.4	NC	1.6	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	–	< d.l.	–	2	ovary - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.3 - 2.0	1.2	1.4	2	liver - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)			µmol kg^{-1}	3	6	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 2.1	NC	1.7	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	3.1 - 24.5	11.6	11.3	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 2.7	0.6	0.6	2	ovary - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	3	6	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.47	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.5	NC	0.3	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 3.0	NC	0.8	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.3 - 3.3	1.3	1.2	2	liver - WWB Note 4
			µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.7 - 3.3	2.0	2.1	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	4.1 - 29.1	13.2	13.5	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 2.4	NC	0.6	2	ovary - WWB; Note 4; d.l. not given
		Hg	µmol kg^{-1}	3	6	2	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	<0.05 - 0.10	0.05	0.05	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
	(Pigeon Guillemot)	o,p'-DDT	µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-00Z7A (cont'd)			µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 1.3	NC	0.9	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.25 - 0.47	0.41	0.44	2	liver - WWB; Note 4
			µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.13 - 0.47	0.28	0.31	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	1.9 - 23.9	6.9	4.0	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	6	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.59	NC	0.44	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l.not given
		DDT (total)	µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.20 - 0.42	0.37	0.39	2	liver - WWB; Note 4
			µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.11 - 0.42	0.25	0.28	2	muscle - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)			µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	2.6 - 22.7	7.3	4.7	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		Hg	µmol kg^{-1}	3	6	6	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	0.1 - 0.2	0.1	0.1	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	6	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Tufted Puffin)	o,p'-DDT	µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 1.6	NC	0.5	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction;	NS	NS	-	< d.l.	-	2	ovary - WWB;

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
71-0027A (cont'd)		DDE	μmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.1 - 1.3	0.7	0.7	2	liver - WWB; Note 4
			μmol kg^{-1}	3	5	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.44	NC	0.3	2	muscle - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.4 - 11.3	4.6	2.4	2	fat - WWB; Note 4
			μmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		DDD	μmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	5	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 1.4	NC	0.4	2	fat - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		Hg	μmol kg^{-1}	3	4	2	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	< d.l. - 0.05	NC	NC	2	liver - WWB; Note 4; d.l. not given
		PCB (1254)	mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Notes 4, 9; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
	(Rhinoceros Auklet)	o,p'-DDT	μmol kg^{-1}	3	3	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.2	NC	NC	2	liver - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.4	NC	0.3	2	muscle - WWB; Note 4; d.l. not given
			μmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.90	NC	0.59	2	fat - WWB; Note 4; d.l. not given
			μmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES <d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)		p,p'-DDT	µmol kg^{-1}	3	3	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.42	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.5	NC	0.8	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	3.30 - 8.57	6.63	8.01	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	2.1 - 11.0	5.5	2.4	2	liver - WWB; Note 4
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	2.2 - 53.3	25.2	20.0	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	56.3 - 273.2	188.5	236.1	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	3	3	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.3	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.53	NC	0.37	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	3.4 - 16.2	8.9	6.9	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	2.1 - 9.9	4.9	2.7	2	liver - WWB; Note 4
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	1.9 - 49.0	23.5	19.7	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	57.0 - 269.5	184.5	226.9	2	fat - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.03	-	2	crop contents - WWB; Note 4
		Hg	µmol kg^{-1}	3	3	3	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	0.05 - 0.10	0.10	0.05	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - d.l.	NC	NC	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)		PCB (1260)	mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - d.l.	NC	NC	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Marbled Murrelet)	o,p'-DDT	µmol kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	2	4	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.2	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.1 - 1.9	1.1	1.4	2	fat - WWB; Note 4
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	2	4	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 2.5	NC	2.3	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	4	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.19 - 0.57	0.31	0.44	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	8.2 - 10.6	9.7	10.4	2	fat - WWB; Note 4
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	2	4	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.53	NC	0.31	2	liver - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
71-0027A (cont'd)			µmol kg^{-1}	2	4	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.1	NC	NC	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	1.0 - 2.2	1.6	1.6	2	fat - WWB; Note 4
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	2	4	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 2.8	NC	1.8	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	2	4	4	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.1 - 0.6	0.3	0.2	2	muscle - WWB; Note 4
			µmol kg^{-1}	2	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	10.6 - 11.6	11.3	11.6	2	fat - WWB; Note 4
			µmol kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		Hg	µmol kg^{-1}	2	4	2	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	< d.l. - d.l.	NC	NC	2	liver - WWB; Note 4; d.l. not given
		PCB (1254)	mg kg^{-1}	2	4	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.5	NC	NC	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	3	3	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.1 - 1.1	0.6	0.5	2	fat - WWB; Note 4
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	4	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	3	2	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.21	NC	0.07	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	2	2	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Ancient Murrelet)	o,p'-DDT	µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	egg - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
71-0027A (cont'd)	BIOTA (cont'd)	p,p'-DDT	µmol kg^{-1}	3	5	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.2	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	3.55 - 32.00	13.00	7.22	2	fat - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	egg - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.3 - 1.1	0.8	0.9	2	liver - WWB; Note 4
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.4 - 1.9	1.0	0.8	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	3.95 - 35.63	10.90	8.04	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	6.91	-	2	egg - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDD	µmol kg^{-1}	3	5	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	< d.l. - 0.1	NC	NC	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.6 - 3.0	1.7	1.9	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	egg - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.3 - 1.1	0.7	0.9	2	liver - WWB; Note 4
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	0.3 - 1.7	0.9	0.7	2	muscle - WWB; Note 4
			µmol kg^{-1}	3	5	5	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	6.9 - 34.1	16.5	13.5	2	fat - WWB; Note 4
			µmol kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	6.20	-	2	egg - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		Hg	µmol kg^{-1}	3	4	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	<0.05 - 0.05	NC	NC	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	egg - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	5	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
			mg kg^{-1}	3	3	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	ovary - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	egg - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	crop contents - WWB; Note 4; d.l. not given
	(Hair Seal)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027A (cont'd)		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.62	-	2	blubber - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.1	-	2	blubber - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	blubber - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.8	-	2	blubber - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	-	0.05	-	2	liver - WWB; Note 4
		PCB (1254)	mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given
		PCB (1260)	mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			mg kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	blubber - WWB; Note 4; d.l. not given
	(Peregrine Falcon)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	NPG; PC-1 muscle - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	fat - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l.
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	5.58	-	2	fat - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.75	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.35	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	44.59	-	2	fat - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027B (cont'd)		DDD	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.76	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l.
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	4.71	-	2	fat - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	1.6	-	2	muscle - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.31	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	49.89	-	2	fat - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	-	2.4	-	2	liver - WWB; Note 4
	(Tufted Puffin)	o,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH_3 preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.34	-	2	muscle - WWB; Note 4
		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.47	-	2	muscle - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH_3 preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.76	-	2	muscle - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	-	4.14	-	2	liver - WWB; Note 4
	(Ancient Murrelet)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.06	-	2	muscle - WWB; Note 4
		p,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.1	-	2	liver - WWB; Note 4
			µmol kg-1	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.08	-	2	muscle - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027B (cont'd)		DDE	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	muscle - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.09	-	2	muscle - WWB; Note 4
		DDT (total)	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.56	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.45	-	2	muscle - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion CVAAS	NS	NS	-	0.2	-	2	liver - WWB; Note 4
	(Pigeon Guillemot)	o,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	NPG; PC-1; liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		DDE	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.1	-	2	muscle - WWB; Note 4
		DDD	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		DDT (total)	µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	liver - WWB; Note 4; d.l. not given
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.1	-	2	muscle - WWB; Note 4
		Hg	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	acid digestion; CVAAS	NS	NS	-	21	-	2	liver - WWB; Note 4
	(Rhinoceros Auklet)	o,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	0	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	< d.l.	-	2	muscle - WWB; Note 4; d.l. not given
		p,p'-DDT	µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.3	-	2	liver - WWB; Note 4
			µmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	muscle - WWB; Note 4

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0027B (cont'd)		DDE	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction filtered; GC	NS	NS	-	1.8	-	2	liver - WWB; Note 4
			μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.47	-	2	muscle - WWB; Note 4
		DDD	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction filtered; GC	NS	NS	-	0.2	-	2	liver - WWB; Note 4
			μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.2	-	2	muscle - WWB; Note 4
		DDT (total)	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction filtered; GC	NS	NS	-	2.2	-	2	liver - WWB; Note 4
			μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	homogenized; CH_2Cl_2 extraction; filtered; GC	NS	NS	-	0.82	-	2	muscle - WWB; Note 4
		Hg	μmol kg^{-1}	1	1	1	NS	CH_3OH preservation	[illegible] digestion; [illegible]	NS	NS	-	6.0	-	2	liver - WWB; Note 4
71-0028	SEA WATER	O_2	mol m^{-3}	2	NS	NS	sfc: 5 gallon bucket; depth: Niskin bottles	NS	WT	NS	NS	0.06 - 0.031	NC	NC	2	NPG; data presented graphically
71-0029	BIOTA (Herring: Hamengus pallasi, Flounder: species unknown	Hg	μmol kg^{-1}	2	NS	NS	NS	NS	NS	NS	NS	NC	0.45	NC	2	NPG; data presented mean values
71-0030	BIOTA (Pacific grey cod: Gadus macrocephalus)	Hg	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (25°C)	CVAAS	NS	NS	0.30 - 0.70	0.53	NC	2	NPG; muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	8	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 0.050	0.050	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean
		Pb	μmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.02	1.65	NC	2	muscle-WWB Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.26	0.78	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cd	μmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.98	0.60	NC	2	muscle-WWB; Note 4; date presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg-1	1	8	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.42	0.88	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		As	mmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.036 - 0.59	0.165	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	7	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.031 - 0.102	0.070	NC	2	liver-WWB; Note 4; data presented as range and mean
		Se	µmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	1.91 - 12.76	6.53	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	7	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	11.7 - 28.3	18.0	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ag	µmol kg^{-1}	1	10	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.65	0.44	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.74	0.41	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 5.69	2.96	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	8	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.65	2.00	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cu	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.73 - 6.77	3.48	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	22.67 - 59.34	40.69	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.027 - 0.109	0.068	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.059 - 0.266	0.170	NC	2	liver-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Ni	μmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 8.52	5.19	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	8	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.47	3.80	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mo	μmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.56	1.56	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 2.60	1.31	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	μmol kg^{-1}	1	10	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 9.82	8.83	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	8	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.4	1.4	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	μmol kg^{-1}	1	10	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.91	2.37	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	4.6 - 18.2	10.4	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	1	10	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 13.4	8.1	NC	2	muscle-WBB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	7	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.23	0.90	NC	2	liver-WWB Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Sn	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.0 - 10.5	4.8	NC	2	muscle-WWB; Note 4; data presented as range and mean;
			μmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 4.72	2.35	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
	(Pacific hake: Merluccius productus)	Hg	μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVASS	NS	NS	0.25 - 1.15	0.71	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Pb	μmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.30 - 3.43	2.27	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cd	μmol kg^{-1}	1	8	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.979	0.543	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		As	mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0265 - 0.0901	0.0500	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	3.85 - 8.64	6.16	NC	2	muscle-WWB, Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	8	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted, FAAS	NS	NS	< d.l. - 0.46	0.40	NC	2	muscle-WWB; Note 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	μmol kg^{-1}	1	8	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.54	3.85	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not given
		Cu	μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.31 - 6.14	4.55	NC	2	muscle-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Zn	mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.044 - 0.123	0.073	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.81	3.32	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mo	µmol kg^{-1}	1	8	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted, FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Note 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	µmol kg^{-1}	1	8	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted, FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	µmol kg^{-1}	1	8	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 2.55	2.20	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sb	µmol kg^{-1}	1	8	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.45	5.42	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	µmol kg^{-1}	1	8	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 5.06	3.77	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
	(Rex sole; Glyptocephalus zachirus)	Hg	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 0.90	0.32	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Pb	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.92 - 5.07	2.34	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Cd	µmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 2.13	0.88	NC	2	muscle-WWB Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		As	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.099 - 0.315	0.161	NC	2	muscle-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Se	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0181 - 0.122	0.033	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Ag	µmol kg^{-1}	1	10	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.37	0.29	NC	2	muscle-WWB; Note 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 7.69	5.15	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cu	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.87 - 2.52	1.5	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.033 - 0.072	0.048	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	10	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 4.09	9.89	NC	1,2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mo	µmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.56	1.56	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	µmol kg^{-1}	1	10	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 9.82	9.82	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C) thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.27 - 4.92	3.02	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Sb	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 8.22	4.40	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.61 - 6.32	4.10	NC	2	muscle-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)	(Pacific halibut: Hippoglossus stenolepis)	Hg	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	0.050 - 0.190	0.893	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	3	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 0.20	0.20	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Pb	μmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 2.54	1.56	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}1	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.21 - 3.43	2.16	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	10	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.36	0.31	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.16 - 15.22	8.90	NC	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0239 - 0.0645	0.0421	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.175 - 0.278	0.227	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Se	mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	5.4 - 20.7	11.5	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	13.7 - 25.0	19.4	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Ag	mmol kg^{-1}	1	10	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.37	0.32	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)			mmol kg^{-1}	1	3	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.19	0.19	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	mmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.15	3.62	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			mmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.65 - 6.35	4.94	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cu	mmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 4.25	2.39	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			mmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	50.5 - 72.9	65.1	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.0367 - 0.0655	0.0499	NC	2	muscle-WWB, Note 4; data presented as range and mean
			mmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.344 - 0.526	0.422	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 10.3	4.7	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.87 - 4.60	3.01	NC	2	liver-WWB; Note 4; data presented as range and mean
		Mo	µmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.52	0.52	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	3	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.35	1.35	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		V	μmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.96	1.96	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	3	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	μmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 4.55	1.73	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	7.10 - 12.4	10.4	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 13.4	7.91	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	3	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 7.72	5.05	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.11 - 7.17	4.54	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	3	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.86 - 8.43	4.13	NC	2	liver-WWB; Note 4; data presented as range and mean
	(dover sole: Microstomus pacificus)	Hg	μmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	0.30 - 1.15	0.55	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Hg	μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	1.20 - 1.50	1.35	NC	2	liver-WWB; Note 4; data presented as range and mean
		Pb	μmol kg^{-1}	1	9	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.65	2.34	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
71-0030 (cont'd)			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.63 - 3.12	2.87	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	9	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.60	0.61	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	19.0 - 22.5	20.8	NC	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0742 - 0.1068	0.0908	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	0.0561	-	2	liver-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	10.2 - 15.9	12.4	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	39.0	-	2	liver-WWB; Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	9	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.43	0.32	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 0.51	0.51	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	μmol kg^{-1}	1	9	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 9.81	4.29	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.27 - 3.75	3.52	NC	2	liver-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cu	μmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.63 - 5.12	2.49	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	44.2 - 52.9	48.5	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.029 - 0.120	0.060	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.221 - 0.383	0.302	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ni	μmol kg^{-1}	1	9	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 9.37	4.97	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.79 - 6.13	5.96	5.96	2	liver-WWB; Note 4; data presented as range and mean
		Mo	μmol kg^{-1}	1	8	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.64	2.65	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.62 - 2.39	1.51	NC	2	liver-WWB; Note 4; data presented as range and mean
		V	μmol kg^{-1}	1	8	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 14.7	7.5	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 51.6	51.6	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	μmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.5 - 7.8	2.9	NC	2	muscle-WWB; Note 4; data presented as range and mean
		Mn	μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	8.2 - 16.9	12.6	NC	2	liver-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Sb	μmol kg^{-1}	1	9	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 15.9	9.7	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	2	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 4.64	4.64	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	μmol kg^{-1}	1	8	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.88 - 6.16	4.36	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.70 - 5.67	4.68	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Ling cod: Ophidon elongatus)	Hg	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	-	0.70	-	2	muscle-WWB; Note 4; data presented as range and mean
		Pb	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given
		Cd	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given
		As	mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	0.009	-	2	muscle-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	8.44	-	2	muscle-WWB; Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
		Cr	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cu	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	6.77	-	2	muscle-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	0.082	-	2	muscle-WWB; Note 4; data presented as range and mean
		Ni	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
		Mo	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
		V	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
		Mn	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	2.00	-	2	muscle-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
		Sn	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	5.90	-	2	muscle-WWB; Note 4; data presented as range and mean
	(Albacore tuna: Thunnus alalunga)	Hg	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	0.55 - 1.20	0.79	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	0.649 - 0.749	0.699	NC	2	liver-WWB; Note 4; data presented as range and mean
		Pb	μmol kg^{-1}	1	9	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 2.91	1.82	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Pb	µmol kg^{-1}	1	2	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 6.67	6.67	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given
		Cd	µmol kg^{-1}	1	10	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 1.25	0.70	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	18.6 - 23.3	21.0	NC	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0168 - 0.0634	0.0442	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	0.0285	-	2	liver-WWB; Note 4; data presented as range and mean
		Se	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.004 - 0.015	0.011	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.117 - 0.194	0.155	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ag	µmol kg^{-1}	1	10	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 0.65	0.34	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used to calculate mean; d.l. not given
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.74 - 1.02	0.88	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cr	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.7 - 11.6	3.8	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.2 - 2.5	1.3	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cu	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.003 - 0.010	0.007	NC	2	muscle-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030		Cu	mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.088 - 0.150	0.119	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.040 - 0.100	0.058	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground, stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.363 - 0.765	0.564	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	9	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 6.64	2.95	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used for calculation of mean; d.l. not given
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.21 - 3.41	2.81	NC	2	liver-WWB; Note 4; data presented as range and mean
		Mo	µmol kg^{-1}	1	10	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 7.49	3.50	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.66 - 11.65	6.66	NC	2	liver-WWB; Note 4; data presented as range and mean
		V	µmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 5.50	5.50	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.36 - 9.82	6.09	NC	2	liver-WWB; Note 4; data presented as range and mean
		Mn	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.73 - 7.83	2.31	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	7.8 - 19.3	13.6	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sb	µmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 14.0	7.0	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Sb	μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	4.60 - 8.71	6.66	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sn	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.78 - 7.93	4.45	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	2	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.82 - 8.43	7.13	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Sable fish: Anoplopoma fimbria)	Hg	μmol kg^{-1}	1	5	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l - 0.85	0.39	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	- -	0.17	-	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Pb	μmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.73 - 2.95	1.44	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	2.40	-	2	liver-WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	6	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 0.62	0.42	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	6.94	-	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0027 - 0.0547	0.0301	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	0.0344	-	2	liver-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	3.87 - 9.78	5.73	NC	2	muscle-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Se	µmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	-	19.9	-	2	liver-WWB; Note 4; data presented as range and mean
		Ag	µmol kg^{-1}	1	6	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 0.37	0.25	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	0.65	-	2	liver-WWB; Note 4; data presented as range and mean
		Cr	µmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.77 - 4.71	2.27	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	5.10	-	2	liver-WWB; Note 4; data presented as range and mean
		Cu	µmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.20 - 6.14	3.97	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	35.9	-	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.0383 - 0.0707	0.0471	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	0.290	-	2	liver-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	6	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 9.20	6.10	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	13.4	-	2	liver-WWB; Note 4; data presented as range and mean
		Mo	µmol kg^{-1}	1	6	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 1.04	1.04	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Mo	μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	2.03	-	2	liver-WWB; Note 4; data presented as range and mean
		V	μmol kg^{-1}	1	6	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	1	0	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	< d.l	-	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	μmol kg^{-1}	1	6	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 1.6	1.4	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	20.6	-	2	liver-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	1	6	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 20.5	9.0	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	2.63	-	2	liver-WWB; Note 4; data presented as range and mean
		Sn	μmol kg^{-1}	1	6	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 5.31	8.43	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	1	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	-	3.37	-	2	liver-WWB; Note 4; data presented as range and mean
	(Perch, Rockfish: Sebastes alutus, Sebastes paucispinis, Sebastes pinniger)	Hg	μmol kg^{-1}	1	27	20	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l - 0.25	0.96	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	2	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l - 1.50	0.77	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Pb	μmol kg^{-1}	1	27	24	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 5.31	2.07	NC	1,2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.48 - 2.70	1.47	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	27	16	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 1.25	0.55	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.4 - 10.5	7.4	NC	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	24	24	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0024 - 0.0748	0.0321	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0067 - 0.0607	0.0315	NC	2	liver-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	24	24	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	7.7 - 17.8	11.3	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	3.6 - 50.8	32.1	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	27	13	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 0.46	0.33	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 1.30	0.40	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cr	μmol kg^{-1}	1	27	24	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 14.1	4.4	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cr	μmol kg^{-1}	1	11	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 5.10	2.87	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cu	μmol kg^{-1}	1	27	27	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.89 - 6.77	3.97	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	16.8 - 52.1	33.1	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	27	27	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.0327 - 0.0789	0.0598	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.23 - 1.48	0.58	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ni	μmol kg^{-1}	1	27	19	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 13.1	5.0	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.68 - 6.47	4.09	NC	2	liver-WWB; Note 4; data presented as range and mean
		Mo	μmol kg^{-1}	1	27	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 4.58	2.38	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 9.05	2.57	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	μmol kg^{-1}	1	27	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 8.64	4.81	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	5	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 12.2	4.4	NC	2	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Mn	μmol kg^{-1}	1	27	21	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 2.9	1.8	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	11	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.8 - 18.2	11.6	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	1	27	16	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 9.29	4.96	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	1	11	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l - 11.3	4.8	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	μmol kg^{-1}	1	27	27	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.15 - 7.08	4.21	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	1	9	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.52 - 6.83	3.91	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Eulachon; Thaleichthys pacificus)	Hg	μmol kg^{-1}	1	10	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l - 0.050	0.050	NC	2	whole body-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Pb	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.74 - 5.12	3.00	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.27 - 1.87	0.97	NC	2	whole body-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	3.81 - 8.51	5.65	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed hydride; generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0172 - 0.0547	0.0359	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.28 - 0.74	0.50	NC	2	whole body-WWB; Note 4; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cr	µmol kg^{-1}	1	10	9	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 6.35	4.15	NC	2	whole body-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Cu	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	10.5 - 26.9	16.1	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.119 - 0.221	0.179	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Ni	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.2 - 12.3	6.3	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Mo	µmol kg^{-1}	1	10	8	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 3.22	1.83	NC	2	whole body-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	µmol kg^{-1}	1	10	6	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 12.2	6.7	NC	2	whole body-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Mn	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	7.6 - 12.9	9.9	NC	2	whole body-WWB; Note 4; data presented as range and mean
		Sb	µmol kg^{-1}	1	10	7	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 13.6	7.8	NC	2	whole body-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	µmol kg^{-1}	1	10	10	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	6.8 - 21.8	11.6	NC	2	whole body-WWB; Note 4; data presented as range and mean
	(Salmon: Oncorhynchus gorbuscha, Oncorhynchus Keta, Oncorhynchus Kisutch, Oncorhynchus Nerka)	Hg	µmol kg^{-1}	2	40	19	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 0.35	0.13	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	2	4	1	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 2.05	2.05	NC	1	liver-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Pb	µmol kg^{-1}	2	36	36	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	<0.10 - 5.12	2.20	NC	2	muscle-WWB; Note 4; data presented as range and mean
			µmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.21 - 1.84	1.56	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cd	µmol kg^{-1}	2	38	37	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.65	0.81	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.25 - 8.01	6.85	NC	2	liver-WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	2	36	31	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	< d.l. - 0.0649	0.0288	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			mmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0019 - 0.0140	0.0081	NC	2	liver-WWB; Note 4; data presented as range and mean
		Se	mmol kg^{-1}	2	36	35	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	< d.l. - 0.0086	0.0054	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			mmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.008 - 0.114	0.039	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ag	µmol kg^{-1}	2	38	31	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.02	0.32	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			µmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.28 - 2.78	1.20	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cr	µmol kg^{-1}	2	37	34	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 11.7	3.5	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cr	μmol kg^{-1}	2	4	4.	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.2 - 4.2	4.1	NC	2	liver-WWB; Note 4; data presented as range and mean
		Cu	mmol kg^{-1}	2	38	38	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.0041 - 0.0227	0.0104	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.338 - 2.312	0.926	NC	2	liver-WWB; Note 4; data presented as range and mean
		Zn	mmol kg^{-1}	2	37	37	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.055 - 0.153	0.088	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.264 - 0.956	0.494	NC	2	liver-WWB; Note 4; data presented as range and mean
		Ni	μmol kg^{-1}	2	38	38	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.7 - 12.1	4.1	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.87 - 4.43	3.49	NC	2	liver-WWB; Note 4; data presented as range and mean
		Mo	μmol kg^{-1}	2	38	15	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 11.6	3.6	NC	2	muscle-WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	2	4	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 9.05	4.44	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	μmol kg^{-1}	2	38	21	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 22.2	8.6	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	2	4	3	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 36.3	14.5	NC	2	liver-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Mn	μmol kg^{-1}	2	38	38	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.73 - 7.46	3.48	NC	2	muscle-WWB; Note 4; data presented as range and mean
			μmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	10.2 - 14.2	11.5	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sb	μmol kg^{-1}	2	38	30	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 19.0	8.1	NC	2	muscle-WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
			μmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.47 - 6.66	4.79	NC	2	liver-WWB; Note 4; data presented as range and mean
		Sn	μmol kg^{-1}	2	36	36	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.4 - 10.5	5.7	NC	2	muscle-WWB; Note 4; data presented as range and mean;
			μmol kg^{-1}	2	4	4	NS	frozen; shipped under dry ice; stored (-25°C); thawed; ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.11 - 8.43	6.32	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Razor clam (soft body tissues only): Siliqua patula)	Hg	μmol kg^{-1}	1	8	4	NS	ground; stored in PE cups (-25°C)	CVAAS	NS	NS	< d.l. - 0.25	0.17	NC	2	WWB; Notes 4, 9; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Pb	μmol kg^{-1}	1	7	7	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.01 - 1.96	1.62	NC	2	WWB; Note 4; data presented as range and mean
		Cd	μmol kg^{-1}	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.36 - 1.51	0.91	NC	2	WWB; Note 4; data presented as range and mean
		As	mmol kg^{-1}	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed or wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	0.0129 - 0.0587	0.0375	NC	2	WWB; Note 4; data presented as range and mean
		Se	μmol kg^{-1}	1	8	8	NS	ground; stored in PE cups (-25°C)	wet ashed; hydride generation; Dalton and Malanoski (1971); AAS	NS	NS	1.78 - 6.35	4.98	NC	2	WWB; Note 4; data presented as range and mean
		Ag	μmol kg^{-1}	1	8	7	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 1.02	0.67	NC	2	WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
71-0030 (cont'd)		Cr	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.2 - 14.6	5.5	NC	2	WWB; Note 4; data presented as range and mean
		Cu	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	5.1 - 10.5	7.2	NC	2	WWB; Note 4; data presented as range and mean
		Zn	$mmol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	0.181 - 0.377	0.243	NC	2	WWB; Note 4; data presented as range and mean
		Ni	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	3.3 - 13.5	7.1	NC	2	WWB; Note 4; data presented as range and mean
		Mo	$\mu mol\ kg^{-1}$	1	8	5	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 7.49	2.50	NC	2	WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		V	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	1.8 - 13.3	7.3	NC	2	WWB; Note 4; data presented as range and mean
		Mn	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	16.2 - 30.2	23.8	NC	2	WWB; Note 4; data presented as range and mean
		Sb	$\mu mol\ kg^{-1}$	1	8	7	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	< d.l. - 16.4	9.0	NC	2	WWB; Note 4; data presented as range and mean; values < d.l. not used in calculation of mean; d.l. not given
		Sn	$\mu mol\ kg^{-1}$	1	8	8	NS	ground; stored in PE cups (-25°C)	dry ashed; diluted; FAAS	NS	NS	2.53 - 7.93	5.05	NC	2	WWB; Note 4; data presented as range and mean
71-0039 A	SEA WATER	O_2	$mol\ m^{-3}$	5	35	35	NS	NS	NS	NS	NS	0.04 - 0.29	0.15	0.13	2	
71-0039 B	SEA WATER	O_2	$mol\ m^{-3}$	5	36	36	NS	NS	NS	NS	NS	0.02 - 0.24	0.10	0.08	2	
72-0025	SEA WATER	O_2	$mol\ m^{-3}$	28	313	313	NS	NS	modified WT	NS	NS	0.016 - 0.464	0.202	0.198	2	
72-0026 A	SEA WATER	F	$mol\ m^{-3}$	2	28	28	PVC Van Dorn bottles	frozen in PE bottles	specific ion meter	± 1.8%	-3%	0.005 - 0.579	0.062	NC	3	data presented as range and mean; accuracy based on recovery of spike
72-0026 B	SEA WATER	F	$mol\ m^{-3}$	2	6	6	PVC Van Dorn bottles	frozen in PE bottles	specific ion meter	± 1.8%	-3%	0.058 - 0.068	0.063	NC	3	data presented as range and mean; accuracy based on recovery of spike
72-0036 A	SEA WATER	O_2	$mol\ m^{-3}$	12	12	12	Van Dorn or or Nansen bottles	NS	modified WT	NS	NS	0.065 - 0.163	0.116	0.122	2	
72-0036 B	SEA WATER	O_2	$mol\ m^{-3}$	14	14	14	Van Dorn or Nansen bottles	NS	modified WT	NS	NS	0.04 - 0.27	0.12	0.10	2	
72-0037	SEA WATER	O_2	$mol\ m^{-3}$	2	NS	NS	sfc: 5 gallon buckets; depth: Niskin bottles	NS	WT	NS	NS	0.08 - 0.29	NC	NC	2	NPG; data presented graphically
73-0024	INTERSTITIAL WATER	F	$mol\ m^{-3}$	9	9	9	Dietz LaFond, Shipek grabs; Reeburgh (1967) apparatus	frozen	specific ion meter	± 1.8%	-3%	0.084 - 0.095	0.088	0.086	3	accuracy based on recovery of spike

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
73-0029	SEA WATER	O_2	mol m^{-3}	16	36	36	Van Dorn or Nansen bottles	NS	modified WT	NS	NS	0.054 - 0.283	0.149	NC	2	some data presented as range and mean
73-0030	BIOTA (Dog fish)	PCB	mg kg^{-1}	NS	8	8	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.160 - 1.717	0.540	NC	2	NPG; whole body WWB; Note 4; data presented as range and mean
			mg kg^{-1}	NS	2	2	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.356 - 5.336	2.846	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Skate)	PCB	mg kg^{-1}	NS	6	6	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.004 - 0.017	0.009	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Halibut)	PCB	mg kg^{-1}	NS	28	28	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.012 - 0.182	0.061	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Sole)	PCB	mg kg^{-1}	NS	11	11	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.006 - 0.045	0.018	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Flounder)	PCB	mg kg^{-1}	NS	2	2	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.011 - 0.011	0.011	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Grey cod)	PCB	mg kg^{-1}	NS	10	10	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.001 - 0.016	0.010	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Ling cod)	PCB	mg kg^{-1}	NS	9	9	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.051 - 0.184	0.051	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Sable fish)	PCB	mg kg^{-1}	NS	7	7	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.024 - 0.513	0.163	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Rock fish)	PCB	mg kg^{-1}	NS	14	14	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.006 - 0.233	0.043	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Tuna)	PCB	mg kg^{-1}	NS	2	2	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.023 - 0.032	0.028	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Herring)	PCB	mg kg^{-1}	NS	6	6	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.157 - 0.492	0.261	NC	2	whole body - WWB; Note 4; data presented as range and mean
	(Whiting)	PCB	mg kg^{-1}	NS	1	1	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	-	0.005	-	2	whole body - WWB; Note 4
	(Eulachon)	PCB	mg kg^{-1}	NS	1	1	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	-	0.057	-	2	whole body - WWB; Note 4
	(Rat fish)	PCB	mg kg^{-1}	NS	1	1	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	-	0.031	-	2	whole body - WWB; Note 4
	(Salmon: Chum, Coho, Pink sockeye, Steelhead)	PCB	mg kg^{-1}	NS	52	52	NS	NS	acetone/hexane extraction; filtration; ECGC	NS	NS	0.007 - 0.103	0.031	NC	2	whole body - WWB; Note 4; data presented as ranges and means
73-0031 A	SEA WATER	O_2	mol m^{-3}	20	39	39	N/A	N/A	in situ (YSI Model 54 O_2 meter)	± 4%	NS	0.100 - 0.310	0.232	0.272	2	precision value unsupported

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
73-0031 A (cont'd)		pH	pH units	20	39	39	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	plastic beaker (few min)	Metrohm Model E488 pH meter	± 5%	NS	3.0 - 8.3	Note 11	7.9	2	precision value unsupported
	(dissolved)	NO_3	mmol m^{-3}	16	35	35	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	Cd reduction; colorimetry	± 6%	NS	1.0 - 3.5	2.9	3.1	2	precision value unsupported
	(dissolved)	PO_4	mmol m^{-3}	17	36	36	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	ascorbic acid reduction; colorimetry	± 2%	NS	0.4 - 25.5	1.8	1.3	2	precision value unsupported
		NH_3	mmol m^{-3}	11	24	6	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	distillation; Nesslerization; colorimetry	± 107%	NS	< 1. - 14.	2.	NC	2	an obvious typo-graphical error was omitted from calculations; precision value unsupported; Note 9
		TOC	mol m^{-3}	19	38	38	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	infrared analyser	± 37%	NS	0.4 - 3.7	0.9	0.7	2	an obvious typo-graphical error was omitted from calculations; precision value unsupported; Note 9
		HEC	g m^{-3}	9	18	8	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	hexane extraction; gravimetry	± 4%	NS	< 1.0 - 2.4	1.3	NC	2	precision value is unsupported
		TR	g m^{-3}	20	39	39	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	gravimetry	± 6%	NS	32.74 - 63.34	37.01	36.46	2	precision value is unsupported
73-0031 B	SEA WATER	O_2	mol m^{-3}	17	38	38	N/A	N/A	in situ (YSI Model 54 O_2 meter)	± 4%	NS	0.075 - 0.401	0.244	0.255	2	precision value is unsupported
		pH	pH units	17	38	38	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	plastic beaker (few min)	Metrohm Model E488 pH meter	± 5%	NS	7.6 - 8.6	Note 11	8.2	2	precision value is unsupported
	(dissolved)	NO_3	mmol m^{-3}	17	38	38	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	Cd reduction; colorimetry	± 8%	NS	0.3 - 4.2	2.0	1.8	2	precision value is unsupported
	(dissolved)	PO_4	mmol m^{-3}	17	38	38	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	ascorbic acid reduction; colorimetry	± 4%	NS	0.1 - 1.6	0.8	0.8	2	precision value is unsupported
		NH_3	mmol m^{-3}	9	16	8	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	distillation; Nesslerization; colorimetry	± 107%	NS	< 1. - 10.	2.	NC	2	precision value is unsupported; Note 9
		TOC	mol m^{-3}	17	38	38	sfc; by hand depth: sub-mersible pump attached to a plastic garden hose	NS	infrared analyser	± 56%	NS	0.2 - 3.3	0.6	0.5	2	precision value is unsupported

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
73-0031 B (cont'd)		HEC	g m^{-3}	7	7	3	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	NS	hexane extraction; gravimetry	± 4%	NS	< 1.0 - 2.0	1.3	NC	2	precision value is unsupported; Note 9
73-0031 C	SEA WATER	O_2	mol m^{-3}	17	36	36	N/A	N/A	in situ (YSI Model 54 O_2 meter)	± 3%	NS	0.20 - 0.39	0.28	0.28	2	precision value is unsupported
		pH	pH units	17	38	38	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	plastic beaker (few min)	Metrohm Model E488 pH meter	± 5%	NS	8.0 - 8.7	Note 11	8.5	2	precision value is unsupported
	(dissolved)	NO_3	mmol m^{-3}	17	38	38	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	NS	Cd reduction; colorimetry	± 5%	NS	3.1 - 3.9	3.4	3.5	2	precision value is unsupported
	(dissolved)	PO_4	mmol m^{-3}	17	38	38	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	NS	ascorbic acid reduction; colorimetry	± 2%	NS	1.2 - 1.8	1.6	1.6	2	precision value is unsupported
		TOC	mol m^{-3}	17	38	38	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	NS	infrared analyser	± 48%	NS	0.5 - 0.8	0.7	0.7	2	precision value is unsupported
		HEC	g m^{-3}	10	7	3	sfc: by hand depth: sub-mersible pump attached to a plastic garden hose	NS	hexane extraction; gravimetry	± 4%	NS	< 1.0 - 1.7	1.1	NC	2	precision value is unsupported; Note 9
73-0032	SEA WATER	O_2	mol m^{-3}	2	NS	NS	sfc: 5 gallon buckets; depth - 1.7 litre Niskin bottle	NS	WT	NS	NS	0.12 - 0.31	NC	NC	2	NPG; data presented graphically
74-0040 A	SEA WATER	O_2	mol m^{-3}	6	29	29	Nansen bottles	NS	azide modification of WT	NS	NS	0.11 - 0.30	0.18	0.15	2	
74-0040 B	SEA WATER	O_2	mol m^{-3}	13	84	84	Nansen bottles	NS	azide modification of WT	NS	NS	0.10 - 0.37	0.24	0.24	2	
74-0041	SEA WATER	O_2	mol m^{-3}	11	32	NS	Van Dorn or Nansen bottles	NS	modified WT	NS	NS	< d.l. - 0.378	0.065	NC	2	some data presented as range and mean; d.l. not given
74-0042	SEA WATER	chl.a	mg m^{-3}	12	84	58	55 m hose and pump	none (in situ); filtered; stored in dark, sealed jar, -20°C (others)	Turner fluorometer (in situ) Perkin Elmer Spectro-photometry (others)	NS	NS	< d.l. - 7.2	NC	0.5	2	NPG; d.l. not given
		Mo	mmol m^{-3}	6	10	7	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	< 0.01 - 0.22	0.06	0.04	0,2	Note 2
		Cd	mmol m^{-3}	7	10	0	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	-	< 0.009	-	1	Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES xd.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	Precision	Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
74-0042 (cont'd)		Zn	mmol m^{-3}	7	11	9	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	< 0.02 - 0.17	0.08	0.06	0,2	Note 2
		Pb	mmol m^{-3}	7	11	0	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	-	< 0.01	-	0	Note 2
		Cu	mmol m^{-3}	7	11	11	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	0.02 - 0.11	0.04	0.03	2	
		Ag	mmol m^{-3}	7	11	0	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	-	< 0.009	-	0,2	Note 2; Note 9
		Cr	mmol m^{-3}	7	11	0	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	-	< 0.02	-	2	Note 9
		Ni	mmol m^{-3}	7	11	0	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	-	< 0.03	-	2	Note 9
		Fe	mmol m^{-3}	7	11	6	Niskin water bottles	frozen in plastic jugs	filtered (0.45 μm); HCl acidification (pH 2.5); APDC chelation; $CHCl_3$ extraction; AAS	NS	NS	< 0.02 - 0.13	0.04	0.04	2	Note 9
	BOTTOM SEDIMENT (intertidal, subtidal < 180 μm)	Mo	mmol kg^{-1}	11	12	8	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	< 0.17 - 5.67	1.81	2.08	2	DWB; d.l. varies with sample weight
		Cd	mmol kg^{-1}	11	12	6	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	< 0.007 - 0.278	0.053	NC	2	DWB; Note 9
		Zn	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	1.5 - 16.0	4.4	3.8	2	DWB
		Pb	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.079 - 3.70	0.74	0.46	2	DWB
		Cu	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.68 - 2.96	1.19	1.07	2	DWB
		Ag	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.006 - 0.196	0.040	0.028	2	DWB
		Cr	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/$HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.40 - 1.25	0.69	0.63	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
74-0042 (cont'd)		Ni	mmol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/ $HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.283 - 0.729	0.411	0.376	2	DWB
		Fe	mol kg^{-1}	11	12	12	plastic scoop; Van Veen grab	frozen in plastic bags	sieved; dried (105°C) HNO_3/ $HClO_4$ digestion (20:1); filtered; AAS	NS	NS	0.491 - 1.276	0.710	0.696	2	DWB
	BIOTA (Mussels: Mytilus edulis)	Mo	mmol kg^{-1}	6	15	0	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	< 0.310 - < 0.639	NC	NC	2	whole-DWB; d.l. varies with sample weight; Note 9
		Cd	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0483 - 0.0988	0.0651	0.0623	2	whole-DWB
		Zn	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	1.48 - 3.17	2.13	2.10	2	whole-DWB
		Pb	mmol kg^{-1}	6	15	12	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	< 0.032 - 0.222	0.121	0.107	2	whole-DWB; d.l. varies with sample weight
		Cu	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.201 - 0.787	0.322	0.271	2	whole-DWB
		Ag	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0036 - 0.0185	0.0076	0.0061	2	whole-DWB
		Cr	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.210 - 1.07	0.41	0.37	2	whole-DWB
		Ni	mmol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.078 - 0.426	0.151	0.128	2	whole-DWB
		Fe	mol kg^{-1}	6	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0334 - 0.1273	0.0598	0.0519	2	whole-DWB
	(Fish: Limanda aspera; Myoxocephalus polyacanthocephalus, halibut, species unknown	Mo	mmol kg^{-1}	2	15	0	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	< 0.19 - < 1.73	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Cd	mmol kg^{-1}	2	15	13	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	< 0.010 - 0.300	0.097	0.067	2	liver-DWB; d.l. varies with sample weight
		Zn	mmol kg^{-1}	2	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	1.21 - 3.52	1.96	1.94	2	liver-DWB
		Pb	mmol kg^{-1}	2	15	3	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	< 0.018 - < 0.159	NC	NC	2	liver-DWB; d.l. varies with sample weight
		Cu	mmol kg^{-1}	2	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.11 - 2.97	0.67	0.44	2	liver-DWB
		Ag	mmol kg-1	2	15	11	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0028 - 0.0492	0.0145	NC	2	liver-DWB; d.l. varies with sample weight

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
74-0042 (cont'd)		Cr	mmol kg^{-1}	2	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.073 - 0.760	0.317	0.196	2	liver-DWB
		Ni	mmol kg^{-1}	2	15	1	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.031 - <0.283	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Fe	mmol kg^{-1}	2	15	15	NS	frozen in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	1.86 - 39.17	10.10	8.88	2	liver-DWB
	(Crabs: Cancer magister)	Mo	mmol kg^{-1}	2	3	0	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	<0.200 - <0.215	NC	NC	2	whole-DWB; d.l. varies with sample weight; Note 9
		Cd	mmol kg^{-1}	2	3	0	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	-	< 0.0089	-	2	whole-DWB; Note 9
		Zn	mmol kg^{-1}	2	3	3	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	3.35 - 4.13	3.75	3.78	2	whole-DWB
		Pb	mmol kg^{-1}	2	3	2	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0185 - 0.0199	0.0194	NC	2	whole-DWB; d.l. varies with sample weight
		Cu	mmol kg^{-1}	2	3	3	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.0203 - 0.0653	0.0462	0.0529	2	whole-DWB
		Ag	mmol kg^{-1}	2	3	3	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.79 - 1.19	0.99	0.97	2	whole-DWB
		Cr	mmol kg^{-1}	2	3	3	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	0.078 - 0.124	0.096	0.087	2	whole-DWB
		Ni	mmol kg^{-1}	2	3	1	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	<0.032 - 0.035	NC	NC	2	whole-DWB; Note 9
		Fe	mmol kg^{-1}	2	3	3	NS	frozen individ-ually in plastic bags	homogenized; dried; HNO_3/ $HClO_4$ digestion (20:1); AAS	NS	NS	1.88 - 2.06	1.93	1.88	2	whole-DWB
74-0043	SEA WATER	O_2	mol m^{-3}	6	NC	NC	N/A	N/A	in situ (hydro-lab surveyor model 6D water quality anlayser)	NS	NS	0.20 - 0.33	NC	NC	2	NPG; data presented graphically; Note 7
74-0044	SEA WATER	O_2	mol m^{-3}	2	NS	NS	sfc: 5 gallon bucket; depth; Niskin bottles	NS	WT	NS	NS	0.11 - 0.30	NC	NC	2	NPG; data presented graphically
74-0045 A	BOTTOM SEDIMENT (< 2 mm fraction)	OC	mol kg^{-1}	13	16	16	Shipek grab sampler	4°C	dried; pulverized to < 150 µm; homogenized; boiled in HCl (80°C); filtered; washed; dried; LECO Induction Furnace technique	NS	+ 0.4 % (CI)	0.28 - 0.73	0.53	0.51	2	DWB; Note 3; PC-8

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
74-0045 A (cont'd)		TKN	mmol kg^{-1}	13	15	15	Shipek grab sampler	4°C	dried; pulverized; Kjeldahl method; titration of liberated NH_3	NS	+ 0.7 %(1) + 0.2 %(2) - 0.3 %(3) + 0.0 %(4) - 1.3 %(5)	40. - 140.	70.	71.	2	DWB; Note 8; accuracy based on (1) reagent grade KNO_3 and (2) $(NH_4)_2SO_4$, (3) 15-15-15 fertilizer, (4) 4-10-10 fertilizer and (5) NBS orchard leaves (OL) reference material
74-0045 B	BOTTOM SEDIMENT (< 2 mm fraction)	OC	mol kg^{-1}	110	131	131	Shipek grab sampler	4°C	dried; pulverized to < 150 μm; homogenized; boiled in HCl (80°C); filtered; washed; dried; LECO Induction Furnace technique	NS	+ 0.4 % (CI)	0.19 - 2.23	0.77	0.77	2	DWB; Note 8; PC-8
		TKN	mmol kg^{-1}	110	132	132	Shipek grab sampler	4°C	dried; pulverized; Kjeldahl method; titration of liberated NH_3	NS	+ 0.7 %(1) + 0.2 %(2) - 0.3 %(3) + 0.0 %(4) - 1.3 %(5)	40. - 360.	100.	86.	2	DWB; Note 8; accuracy based on (1) reagent grade KNO_3 and (2) $(NH_4)_2SO_4$, (3) 15-15-15 fertilizer, (4) 4-10-10 fertilizer and (5) NBS orchard leaves (OL) reference material
74-0050 A	SEA WATER	O_2	mol m^{-3}	8	47	47	Van Dorn bottles	NS	azide modification of WT	NS	NS	0.078 - 0.369	0.233	0.232	2	
74-0050 B	SEA WATER	O_2	mol m^{-3}	8	47	47	Nansen bottles	NS	azide modification of WT	NS	NS	0.003 - 0.426	0.204	0.182	2	
75-0061	SEA WATER	O_2	mol m^{-3}	6	47	47	Nansen bottles	NS	modified WT; Davidson et al. (1974)	NS	NS	0.16 - 0.34	0.25	0.27	2	NPG
		Cu	mmol m^{-3}	6	12	12	Nansen bottles	HNO_3 addition (pH < 1.5)	chelation/solvent extraction; AAS	NS	NS	0.2 - 1.0	0.7	0.7	2	
		Pb	mmol m^{-3}	6	12	0	Nansen bottles	HNO_3 addition (pH < 1.5)	chelation/solvent extraction; AAS	NS	NS	-	< 0.1	-	2	Note 9
		Fe	mmol m^{-3}	6	12	10	Nansen bottles	HNO_3 addition (pH < 1.5)	chelation/solvent extraction; AAS	NS	NS	< 0.5 - 4.5	2.5	2.6	2	
		Cd	mmol m^{-3}	6	12	0	Nansen bottles	HNO_3 addition (pH < 1.5)	chelation/solvent extraction; AAS	NS	NS	-	< 0.1	-	2	Note 9
		Hg	mmol m^{-3}	6	12	12	Nansen bottles	HNO_3 addition (pH < 1.5)	chelation/solvent extraction; AAS	NS	NS	1. - 2.	2.	1.	2	
	BOTTOM SEDIMENT (< 180 μm)	Co	mmol kg^{-1}	14	14	14	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.14 - 0.23	0.18	0.19	2	DWB
		Cu	mmol kg^{-1}	15	15	15	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.14 - 0.78	0.53	0.51	2	DWB
		Fe	mol kg^{-1}	14	14	14	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.34 - 0.57	0.44	0.43	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0061 (cont'd)		Mn	mmol kg^{-1}	15	15	15	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.098 - 7.429	5.156	5.327	2	DWB
		Ni	mmol kg^{-1}	15	15	15	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.308 - 0.538	0.396	0.368	2	DWB
		Pb	mmol kg^{-1}	2	2	2	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.018 - 0.082	0.050	0.050	2	DWB
		Zn	mmol kg^{-1}	15	15	15	Ponar grab	frozen	air dried (under cover); 4:1 $HNO_3/HClO_4$ digestion; evaporate to dryness; 1.5 M HCl addition; AAS	NS	NS	0.23 - 1.19	0.84	0.83	2	DWB
		Al	mmol kg^{-1}	3	3	3	Ponar grab	frozen	dried; sieved; HNO_3/HF addition; heated in bomb (110°C); boric acid addition; AAS	NS	NS	2.9 - 3.0	2.9	2.9	2	DWB
75-0062	BIOTA (Ancient Murrelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.13	0.04	NC	2	PC-1; NPG; brain-WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.35 - 0.43	2.00	NC	2	muscle-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.26 - 2.39	1.40	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Marbled Murrelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 3.05	0.54	NC	2	brain-WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 2.56	0.99	NC	2	muscle-WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 2.56	1.01	NC	2	liver-WWB; Note 4; d.l. not given; data presented as range and mean
	(Cassin's Aukelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.34 - 3.98	2.52	NC	2	brain-WWB; Note 4; d.l. data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	1.13 - 2.74	1.68	NC	2	breast and muscle-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.74 - 1.97	1.37	NC	2	liver-WWB; Note 4; data presented as range and mean
	(Rhinoceros Aukelet)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	0.10 - 0.33	0.22	NC	2	brain-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.56	0.28	NC	2	breast and muscle-WWB; Note 4; d.l. not given; data presented as range and mean

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0062 (cont'd)		PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	< d.l. - 2.50	1.25	NC	2	liver-WWB; Note 4; d.l. not given; data presented as range and mean
	(Puffin)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	0.10 - 0.33	0.22	NC	2	brain-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.56	0.28	NC	2	breast and muscle-WWB; Note 4; d.l. not given; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	< d.l. - 2.50	1.25	-	2	liver-WWB; Note 4; d.l. not given; data presented as range and mean
	(Tufted Puffin)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	NC	0.28	NC	2	brain-WWB; Note 4; data presented as mean value
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	NC	0.41	NC	2	breast and muscle-WWB; Note 4; data presented as mean value
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	NC	0.24	NC	2	liver-WWB; Note 4; data presented as mean value
	(Oyster Catcher)	PCB	mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	0.73 - 0.85	0.79	NC	2	brain-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	1.03 - 1.49	1.26	NC	2	breast and muscle-WWB; Note 4; data presented as range and mean
			mg kg^{-1}	1	NS	NS	NS	NS	homogenized; acetone/ hexane extraction; filtered; ECGC	NS	NS	< d.l. - 0.25	0.13	NC	2	liver-WWB; Note 4; data presented as range and mean
75-0063	SEA WATER	O_2	mol m^{-3}	7	26	26	Van Dorn Nansen bottles	NS	modified WT	NS	NS	0.116 - 0.291	0.158	NC	2	some data presented as range and mean
75-0064	SEA WATER	O_2	mol m^{-3}	5	44	44	N/A	N/A	in situ (Hydrolab survey or Model 6D water quality analyser)	± 2%	NS	0.241 - 0.389	0.294	0.266	2	an obvious typographical error was omitted from calculations; precision value is unsupported
		pH	pH units	5	45	45	N/A	N/A	in situ (Hydrolab survey or Model 6D water quality analyser)	± 1%	NS	6.10 - 8.89	Note 11	7.50	2	precision value is unsupported
		chl.a	mg m^{-3}	4	35	35	Niskin bottles	plastic bottles; cool; dark until filtered (0.45 µm); filters frozen in dark bottles (-15°C) immediately	spectrophotometry	NS	NS	0.1 - 8.5	1.6	1.2	2	
	(dissolved)	Cd	mmol m^{-3}	2	2	2	plastic containers	filtered (0.45 µm) HNO_3 acidification; frozen (-15°C)	MIBK extraction; AAS	NS	NS	0.009 - 0.009	0.009	0.009	2	
		Cu	mmol m^{-3}	2	2	2	plastic containers	filtered (0.45 µm) HNO_3 acidification; frozen (-15°C)	MIBK extraction; AAS	NS	NS	0.02 - 0.03	0.02	0.02	2	
		Mo	mmol m^{-3}	2	2	1	plastic containers	filtered (0.45 µm) HNO_3 acidification; frozen (-15°C)	MIBK extraction; AAS	NS	NS	< 0.02 - 0.42	NC	NC	2	Note 9
			mmol m^{-3}	2	2	2	plastic containers	filtered (0.45 µm) HNO_3 acidification; frozen (-15°C)	MIBK extraction; AAS	NS	NS	0.01 - 0.01	0.01	0.01	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0064 (cont'd)	(dissolved)	Zn	mmol m^{-3}	2	2	2	plastic containers	filtered (0.45 μm) HNO_3 acidification; frozen (-15°C)	MIBK extraction; AAS	NS	NS	0.09 - 0.10	0.10	0.10	2	
		W	mmol m^{-3}	2	2	0	plastic containers	filtered (0.45 μm) HNO_3 acidification; frozen (-15°C)	colorimetry	NS	NS	-	< 0.03	-	2	Note 9
	(total)	Hg	mmol m^{-3}	2	2	2	plastic containers	H_2SO_4 acidification; frozen (-15°C)	CVAAS	NS	NS	0.001 - 0.002	0.001	0.001	2	
		As	mmol m^{-3}	2	2	0	plastic containers	filtered; (0.45 μm) HNO_3 acidification; frozen (-15°C)	colorimetry	NS	NS	< 0.03 - 0.03	NC	NC	2	Note 9
	BOTTOM SEDIMENT (< 180 μm)	Cu	mmol kg^{-1}	12	24	24	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; AAS	NS	NS	0.5 - 8.5	1.5	0.9	2	DWB
		Zn	mmol kg^{-1}	84	168	168	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; AAS	NS	NS	0.90 - 34.40	3.58	2.86	2	DWB
		Mo	mmol kg^{-1}	84	168	168	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; AAS	NS	NS	0.01 - 4.22	0.71	0.18	2	DWB
		Pb	mmol kg^{-1}	12	24	24	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; AAS	NS	NS	0.03 - 1.09	0.36	0.18	2	DWB
		Cd	mmol kg^{-1}	12	24	24	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; AAS	NS	NS	0.007 - 0.052	0.015	0.008	2	DWB
		W	mmol kg^{-1}	12	24	6	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; $HClO_4/HNO_3$ extraction; colorimetry	NS	NS	< 0.02 - 0.19	NC	NC	2	DWB; Note 9
		Hg	mmol kg^{-1}	12	24	24	by hand or Van Veen grab; subsampled (bare hands)	refrigerated in plastic containers or double plastic bags (< 8h); frozen (-15°C)	sieved (180 μm); filtered; pulverized; homogenized; aqua regia extraction; CVAAS	NS	NS	0.25 - 1.90	0.78	0.70	2	DWB
	BIOTA (Algae: Fucus distichus)	Cu	mmol kg^{-1}	17	34	34	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.091 - 1.75	0.34	0.20	2	DWB
		Zn	mmol kg^{-1}	17	34	34	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.31 - 6.53	0.98	0.53	2	DWB
		Mo	mmol kg^{-1}	17	34	2	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.20 - 3.19	0.47	0.28	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	17	34	34	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.017 - 0.860	0.092	0.041	2	DWB
		Cd	mmol kg^{-1}	17	34	34	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.018 - 0.205	0.030	0.024	2	DWB
		W	mmol kg^{-1}	17	34	0	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.106 - < 0.316	NC	NC	2	DWB; d.l. varies with sample weight; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0064 (cont'd)		Hg	μmol kg^{-1}	17	34	0	by hand	double plastic bags (on ice) until frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 0.4 - < 1.1	NC	NC	2	DWB; d.l. varies with sample weight Note 9
	(Crab: Cancer magister, Hyaslyratus)	Cu	mmol kg^{-1}	13	23	23	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.36 - 1.87	0.87	0.76	2	muscle-DWB
		Zn	mmol kg^{-1}	13	23	23	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	1.97 - 8.28	4.76	4.57	2	muscle-DWB
		Mo	mmol kg^{-1}	13	23	0	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.222 - < 0.441	NC	NC	2	muscle-DWB; d.l. varies with sample
		Pb	mmol kg^{-1}	13	23	23	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.012 - 0.155	0.036	0.032	2	muscle-DWB
		Cd	mmol kg^{-1}	13	23	23	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0038 - 0.0449	0.0127	0.0113	2	muscle-DWB
		W	mmol kg^{-1}	13	23	0	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.116 - < 0.231	NC	NC	2	muscle-DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	13	23	9	commercial crab traps baited with herring	plastic bags on ice (< 24h); frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; colorimetry	NS	NS	< 0.4 - 5.9	1.1	0.7	2	muscle-DWB; d.l. varies with sample weight; Note 9
	(Great Sculpin: Myoxocephalus polyacanthocephalus)	Cu	mmol kg^{-1}	9	12	12	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.08 - 1.87	0.55	0.35	2	liver-DWB
		Zn	mmol kg^{-1}	9	12	12	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	1.19 - 6.78	2.64	2.49	2	liver-DWB
		Mo	mmol kg^{-1}	9	12	0	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.128 - < 0.186	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	9	12	12	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0079 - 0.0309	0.0172	0.0153	2	liver-DWB
		Cd	mmol kg^{-1}	9	12	12	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0107 - 0.0556	0.0236	0.0204	2	liver-DWB
		W	mmol kg^{-1}	9	12	0	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.0689 - < 0.0974	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	9	12	3	long line fishing equipment	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 0.2 - 2.5	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0064 (cont'd)	(Yellowfin Sole: Limanda aspera)	Cu	mmol kg^{-1}	8	10	10	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.168 - 0.507	0.289	0.263	2	liver-DWB mn
		Zn	mmol kg^{-1}	8	10	10	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.66 - 1.77	1.15	1.16	2	liver-DWB
		Mo	mmol kg^{-1}	8	10	0	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.130 - < 0.181	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	8	10	10	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0141 - 0.0773	0.0347	0.0280	2	liver-DWB
		Cd	mmol kg^{-1}	8	10	10	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.018 - 0.154	0.057	0.044	2	liver-DWB
		W	mmol kg^{-1}	8	10	0	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.0680 - < 0.0947	NC	NC	2	liver-DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	8	10	2	commercial crab traps	livers removed and placed in plastic containers; frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 0.2 - 2.2	NC	NC	1,2	liver-DWB; d.l. varies with sample weight; Note 9
	(Mussels (soft body tissue only): Mytilus edulis)	Cu	mmol kg^{-1}	10	30	30	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.224 - 0.826	0.405	0.328	2	DWB
		Zn	mmol kg^{-1}	10	30	30	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	1.19 - 6.75	2.41	2.31	2	DWB
		Mo	mmol kg^{-1}	10	30	0	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.486 - < 1.19	NC	NC		DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	10	30	30	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.037 - 0.244	0.104	0.075	2	DWB
		Cd	mmol kg^{-1}	10	30	30	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.043 - 0.735	0.125	0.079	2	DWB
		W	mmol kg^{-1}	10	30	0	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.254 - < 0.620	NC	NC		DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	10	30	8	NS	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; CVAAS	NS	NS	< 1.0 - 17.8	NC	NC	2	DWB; d.l. varies with sample weight; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0064 (cont'd)	(Cockles (soft body tissue only): Clinocardium nuttali	Cu	mmol kg^{-1}	4	8	8	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.13 - 1.28	0.44	0.17	2	DWB
		Zn	mmol kg^{-1}	4	8	8	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	1.82 - 4.56	2.65	2.12	2	DWB
		Mo	mmol kg^{-1}	4	8	0	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.321 - < 0.448	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	4	8	8	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0274 - 0.0434	0.0352	0.0346	2	DWB
		Cd	mmol kg^{-1}	4	8	8	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0126 - 0.0185	0.0152	0.0146	2	DWB
		W	mmol kg^{-1}	4	8	0	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.168 - < 0.234	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	4	8	0	SCUBA divers	double plastic bags on ice (< 8h); frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 0.60 - < 0.85	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
	(Shrimp (soft body tissue only): Pandalopsis dispar, Crangon alaskensis)	Cu	mmol kg^{-1}	2	3	3	Otter trawl	double plastic bags; frozen (-15°C)	contents of shell removed; homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.642 - 0.710	0.669	0.656	2	DWB
		Zn	mmol kg^{-1}	2	3	3	Otter trawl	double plastic bags; frozen (-15°C)	contents of shell removed; homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.716 - 0.895	0.791	0.762	2	DWB
		Mo	mmol kg^{-1}	2	3	0	Otter trawl	double plastic bags; frozen (-15°C)	contents of shell removed; homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.222 - < 0.227	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	2	3	3	Otter trawl	double plastic bags; frozen (-15°C)	contents of shell removed; homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0128 - 0.0209	0.0181	0.0206	2	DWB
		Cd	mmol kg^{-1}	2	3	3	Otter trawl	double plastic bags; frozen (-15°C)	contents of shell removed; homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0077 - 0.0099	0.0090	0.0094	2	DWB
		W	mmol kg^{-1}	2	3	0	Otter trawl	double plastic bags; frozen (-15°C)	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.116 - < 0.119	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	2	3	0	Otter trawl	double plastic bags; frozen (-15°C)	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	-	< 0.55	-	2	DWB; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES w.d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
75-0064 (cont'd)	(Crows: Corvus sp.)	Cu	mmol kg^{-1}	2	4	4	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.286 - 0.305	0.292	0.288	2	liver-DWB
		Zn	mmol kg^{-1}	2	4	4	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	1.59 - 1.74	1.65	1.64	2	liver-DWB
		Mo	mmol kg^{-1}	2	4	0	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	< 0.127 - < 0.134	NC	NC	2	liver-DWB; d.l. varies with sample weight
		Pb	mmol kg^{-1}	2	4	4	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.0176 - 0.0253	0.0205	0.0195	2	liver-DWB
		Cd	mmol kg^{-1}	2	4	4	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; AAS	NS	NS	0.104 - 0.122	0.113	0.113	2	liver-DWB
		W	mmol kg^{-1}	2	4	0	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.0664 - < 0.0702	NC	NC	2	liver-DWB; d.l. varies with sample weight;
		Hg	μmol kg^{-1}	2	4	0	0.22 calibre rifle	plastic bags; frozen (-15°C) immediately	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 0.30 - < 0.35	NC	NC	2	liver-DWB
	(Plankton: mixed species)	Cu	mmol kg^{-1}	4	8	8	plankton net (0.7 m diameter)	snap-top plastic container; frozen	$HClO_4/HNO_3$ HNO_3 digestion; AAS	NS	NS	0.162 - 0.343	0.272	0.289	2	DWB
		Zn	mmol kg^{-1}	4	8	8	plankton net (0.7 m diameter)	snap-top plastic container; frozen	$HClO_4/HNO_3$ HNO_3 digestion; AAS	NS	NS	2.11 - 6.04	4.01	3.89	2	DWB
		Mo	mmol kg^{-1}	4	8	0	plankton net (0.7 m diameter)	snap-top plastic container; frozen	$HClO_4/HNO_3$ HNO_3 digestion; AAS	NS	NS	< 0.85 - < 1.53	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	4	8	8	plankton net (0.7 m diameter)	snap-top plastic container; frozen	$HClO_4/HNO_3$ HNO_3 digestion; AAS	NS	NS	0.058 - 0.112	0.097	0.108	2	DWB
		Cd	mmol kg^{-1}	4	8	8	plankton net (0.7 m diameter)	snap-top plastic container; frozen	$HClO_4/HNO_3$ HNO_3 digestion; AAS	NS	NS	0.0219 - 0.0433	0.0338	0.0354	2	DWB
		W	mmol kg^{-1}	4	8	0	plankton net (0.7 m diameter)	snap-top plastic container; frozen	homogenized; $HClO_4/HNO_3$ digestion; colorimetry	NS	NS	< 0.45 - < 0.80	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Hg	μmol kg^{-1}	4	8	0	plankton net (0.7 m diameter)	snap-top plastic container; frozen	homogenized; H_2SO_4/HNO_3 digestion; CVAAS	NS	NS	< 1.6 - < 2.9	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
75-0065	SEA WATER	O_2	mol m^{-3}	2	NS	NS	sfc: 5 gallon bucket; depth: Niskin bottles	NS	WT	NS	NS	0.19 - 0.31	NC	NC	2	NPG; data presented graphically

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
76-0047	BOTTOM SEDIMENT (intertidal, <180 μm) (includes mine tailings disposal area)	Cu	mmol kg^{-1}	4	9	9	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	± 11% ± 12% ± 10%	- 5.7% (BCSS) + 3.8% (MESS) + 9.2% (RS)	0.83 - 55.1	18.4	1.5	2	NPG; DWB; analytical methods, precision and accuracy for samples analysed by EPS only; precision based on replicate standards.
		Pb	mmol kg^{-1}	4	9	9	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	± 10% ± 8% ± 8%	- 11.3% (BCSS) + 12.1% (MESS) - 12.3% (RS)	0.04 - 1.88	0.76	0.64	2	DWB; analytical methods, precision and accuracy for samples analysed by EPS only; precision based on replicate standards
		Zn	mmol kg^{1-}	4	9	9	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	± 4% ± 4% ± 8%	- 14.3% (BCSS) - 9.8% (MESS) - 3.0% (RS)	2.3 - 199	61.5	7.5	2	DWB; analytical methods, precision and accuracy for samples analysed by EPS only; precision based on replicate standards
		Cd	mmol kg^{-1}	4	9	8	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	± 17% ± 26%	+ 50% (BCSS) + 18% (MESS) - 27.5% (RS)	< d.l. - 0.142	NC	0.027	2	DWB; analytical methods, precision and accuracy for samples analysed by EPS only; precision based on replicate standards; d.l. not given
		Ni	mmol kg^{-1}	4	5	5	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.11 - 0.97	0.50	0.59	2	DWB
		Mn	mmol kg^{-1}	4	4	4	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	8.2 - 12.6	9.8	9.3	2	DWB
		Co	mmol kg_{-1}	4	4	4	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.23 - 3.80	1.16	0.31	2	DWB
		Ag	mmol kg^{-1}	4	5	5	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	4. - 56.	32.	42.	2	DWB
		Fe	mol kg^{-1}	4	9	9	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.39 - 9.11	2.75	0.90	2	DWB
		Hg	mmol kg^{-1}	4	4	4	NS	frozen in Whirlpak bags	freeze-dried; 4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.21 - 0.74	0.47	0.46	2	DWB
76-0048	SEA WATER	O_2	mol m^{-3}	2	NS	NS	sfc: 5 gallon bucket; depth: Niskin bottles	NS	WT	NS	NS	0.18 - 0.31	NC	NC	2	NPG; data presented graphically
		pH	pH units	12	NS	NS	sfc: 5 gallon bucket; depth: Niskin bottles	NS	pH meter	NS	NS	7.0 - 7.7	Note 11	NC	2	data presented graphically

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
76-0049	BOTTOM SEDIMENT (<2mm, >62.5 μm fraction)	$CaCO_3$	mol kg^{-1}	6	6	5	Dietz-LaFond grab sampler	4°C	wet sieved; dried; crushed; HCl addition; gasometric methods	± 0.3%	NS	< d.l. - 4.18	2.08	2.30	1	DWB; d.l. not given
76-0050	BOTTOM SEDIMENT	Al	mol kg_{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	1. - 2.	2.	1.	1	DWB; data are semi-quantitative only
		Sb	mmol kg_{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 2.	-	1	DWB; Note 9; data are semi-quantitative only
		As	mmol kg_{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 7.	-	1	DWB; Note 9; data are semi-quantitative only
		Ba	mmol kg^{-1}	4	4	4	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	2. - 2.	2.	2.	1	DWB; data are semi-quantitative only
		Be	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 1.	-	1	DWB; data are semi-quantitative only
		Bi	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 0.2	-	1	DWB; Note 9; data are semi-quantitative only
		B	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	4. - 9.	6.	6.	1	DWB; data are semi-quantitative only
		Cd	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 3.	-	1	DWB; Note 9; data are semi-quantitative only
		Ca	mol kg^{-1}	5	5	5	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	1. - 2.	1.	1.	1	DWB; data are semi-quantitative only
		Cr	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	2. - 10.	5.	6.	1	DWB; data are semi-quantitative only
		Co	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.2 - 0.5	0.4	0.5	1	DWB; data are semi-quantitiative only
		Cu	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	2. - 8.	5.	5.	1	DWB; data are semi-quantitative only
		Ga	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 7.	-	1	DWB; Note 9; data are semi-quantitative only

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
76-0050 (cont'd)		Au	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 5.	-	1	DWB; Note 9; data are semi-quantitative only
		Pb	μmol kg^{-1}	7	7	2	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	< 0.2 - 2.4	NC	NC	1	DWB; Note 9; data are semi-quantitative only
		Mg	mol kg^{-1}	4	4	4	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	2. - 2.	2.	2.	1	DWB; data are semi-quantitative only
		Mn	mol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.04 - 0.07	0.05	0.04	1	DWB; data are semi-quantitative only
		Mo	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.1 - 5.2	1.2	0.3	1	DWB; data are semi-quantitative only
		Nb	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 3	-	1	DWB; Note 9; data are semi-quantitative only
		Ni	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	1. - 5.	2.	2.	1	DWB; data are semi-quantitative only
		K	mol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.3 - 0.3	0.3	0.3	1	DWB; data are semi-quantitative only
		Ag	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	< 0.09 - <0.09	NC	NC	1	DWB; Note 9; data are semi-quantitative only
		Na	mol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	1. - 2.	2.	2.	1	DWB; data are semi-quantitative only
		Sr	mol kg^{-1}	6	6	6	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.02 - 0.05	0.04	0.03	1	DWB; data are semi-quantitative only
		Ta	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 6.	-	1	DWB; data are semi-quantitative only
		Th	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 4.	-	1	DWB; data are semi-quantitative only
		Sn	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 0.4	-	1	DWB; Note 9; data are semi-quantitative only

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
76-0050 (cont'd)		Ti	mol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	0.1 - 0.1	0.1	0.1	1	DWB; data are semi-quantitative only
		W	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 3.	-	1	DWB; Note 9; data are semi-quantitative only
		U	mmol kg^{-1}	7	7	0	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	-	< 5.	-	1	DWB; Note 9; data are semi-quantitative only
		V	mmol kg^{-1}	7	7	7	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	6. - 10.	6.	6.	1	DWB; data are semi-quantitative only
		Zn	mmol kg^{-1}	7	7	1	by hand	frozen in PE bags; subsamples oven dried (90°C) and packed in plastic Petri dishes	emission spectrography	NS	NS	< 5. - 8.	NC	NC	1	DWB; Note 9; data are semi-quantitative only
	BIOTA (Mussels (soft body tissue only): Mytilus edulis)	Al	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.3 - 0.56	0.4	0.4	1	AWB; data are semi-quantitative only
		Sb	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 2.	-	1	AWB; Note 9; data are semi-quantitative only
		As	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 7.	-	1	AWB; Note 9; data are semi-quantitative only
		Ba	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.01 - 0.03	0.03	0.03	1	AWB; data are semi-quantitative only
		Be	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 1.	-	1	AWB; Note 9; data are semi-quantitative only
		B	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.03 - 0.04	0.03	0.03	1	AWB; data are semi-quantitative only
		Cd	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 3.	-	1	AWB; Note 9; data are semi-quantitative only
		Cr	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.8 - 3.8	2.0	1.6	1	AWB; data are semi-quantitative only
		Co	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 0.2	-	1	AWB; Note 9; data are semi-quantitative only
		Cu	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	6. - 9.	8.	8.	1	AWB; data are semi-quantitative only
		Ga	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 7.	-	1	AWB; Note 9; data are semi-quantitative only
		Au	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 5	-	1	AWB; Note 9; data are semi-quantitative only

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
76-0050 (cont'd)		Fe	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.5 - 0.7	0.7	0.7	1	AWB; data are semi-quantitative only
		Pb	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	1. - 20.	7.	3.	1	AWB; data are semi-quantitative only
		Mn	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.04 - 0.04	0.04	0.04	1	AWB; data are semi-quantitative only
		Mo	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 0.1	-	1	AWB; Note 9; data are semi-quantitative only
		Nb	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 3.	-	1	AWB; Note 9; data are semi-quantitative only
		Ni	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	1. - 2.	2.	2.	1	AWB; data are data are semi-quantitative only
		K	mol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 0.3	-	1	AWB; Note 9; data are semi-quantitative only
		Ag	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.05 - 0.19	0.09	0.07	1	AWB; data are semi-quantitative only
		Sr	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	10. - 10.	10.	10.	1	AWB; data are semi-quantitative only
		Ta	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 6.	-	1	AWB; Note 9; data are semi-quantitative only
		Th	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 4.	-	1	AWB; Note 9; data are semi-quantitative only
		Sn	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 0.4	-	1	AWB; Note 9; data are semi-quantitative only
		Ti	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.02 - 0.04	0.03	0.03	1	AWB; data are semi-quantitative only
		W	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 3.	-	1	AWB; Note 9; data are semi-quantitative only
		U	mmol kg^{-1}	4	4	0	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	-	< 4.	-	1	AWB; Note 9; data are semi-quantitative only
		V	mmol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	2. - 2.	2.	2.	1	AWB; data are semi-quantitative only
		Zn	mol kg^{-1}	4	4	4	NS	frozen; scrubbed; tissues refrozen; freeze-dried	ashed (500°C); emission spectrography	NS	NS	0.023 - 0.031	0.027	0.027	1	AWB; Note 9; data are semi-quantitative only
77-0042A	SEA WATER	O_2	mol m^{-3}	6	37	37	Niskin bottles	NS	WT	NS	NS	0.151 - 0.235	0.192	0.190	2	
77-0042B	SEA WATER	O_2	mol m^{-3}	8	48	48	Niskin bottles	NS	WT	NS	NS	0.137 - 0.257	0.166	0.166	2	
77-0042C	SEA WATER	O_2	mol m^{-3}	8	50	50	Niskin bottles	NS	WT	NS	NS	0.137 - 0.285	0.223	0.234	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
77-0042D	SEA WATER	O_2	mol m^{-3}	8	51	51	Niskin bottles	NS	WT	NS	NS	0.137 - 0.308	0.262	0.276	2	
77-0042E	SEA WATER	O_2	mol m^{-3}	8	52	52	Niskin bottles	NS	WT	NS	NS	0.164 - 0.270	0.223	0.226	2	
77-0043	SEA WATER	O_2	mol m^{-3}	12	130	130	Niskin bottles	$MnCl_2$/KI or NaI addition; stopped flasks	micro WT	NS (Note 7)	NS (Note 7)	0.140 - 0.327	0.237	0.245	2	
		PO_4	mmol m^{-3}	12	130	130	Niskin bottles	glass and plastic screw cap test tubes; frozen	molybdophosphoric formation; ascorbic acid reduction; technicon II AuA	NS (Note 7)	NS (Note 7)	1.12 - 2.78	1.84	1.79	2	
		SiO_3	mmol m^{-3}	12	130	130	Niskin bottles	glass and plastic screw cap test tubes; frozen	molybdosilicic acid formation; ascorbic acid reduction; technicon II AuA	NS (Note 7)	NS (Note 7)	18.8 - 55.0	36.2	35.3	2	
		NO_3	mmol m^{-3}	12	130	130	Niskin bottles	glass and plastic screw cap test tubes; frozen	reduction to NO_2; diazo formation; coupling with N-1-napthlethylene-diamine dihydrochloride; technicon II AuA	NS (Note 7)	NS (Note 7)	12.3 - 28.9	21.6	21.1	2	
	BOTTOM SEDIMENT (cores)	^{210}Pb	dpm g^{-1}	1	17	17	sfc: ponar grab; below: box corer	frozen in Whirlpak bags	precipitation as PbO_2; measurement of decay of ^{210}Bi daughter; Matsumoto (1975)	NS	NS	1.410 - 52.457	17.208	5.806	2	
		OC	mol kg^{-1}	1	5	5	sfc: ponar grab; below: box corer	frozen in Whirlpak bags	$K_2Cr_2O_7/H_2SO_4$ oxidation; $Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$ back titration	NS (Note 7)	NS (Note 7)	1.39 - 1.88	1.53	1.45	2	
77-0057A	SEA WATER	O_2	mol m^{-3}	3	35	35	Niskin bottles	pickled in flasks; analysis within 24 h	micro WT	± 1%	NS	0.079 - 0.362	0.232	0.256	3	precision value is unsupported; Note 1
		NO_3	mmol m^{-3}	1	4	4	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	17.0 - 20.1	18.7	18.8	2	
		PO_4	mmol m^{-3}	1	4	4	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	1.67 - 1.88	1.79	1.81	2	
		SiO_3	mmol m^{-3}	1	4	4	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	29.1 - 35.1	32.5	33.0	2	
77-0057B	SEA WATER	O_2	mol m^{-3}	6	129	129	Niskin bottles	pickled in flasks; analysis within 24 h	micro WT	± 1%	NS	0.065 - 0.300	0.205	0.222	3	precision value is unsupported; Note 1
77-0057C	SEA WATER	O_2	mol m^{-3}	6	72	72	Niskin bottles	pickled in flasks; analysis within 24 h	micro WT	± 1%	NS	0.072 - 0.290	0.192	0.192	3	precision value is unsupported; Note 1
		NO_3	mmol m^{-3}	7	66	66	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	2.4 - 37.9	20.1	19.6	2	
		PO_4	mmol m^{-3}	7	67	67	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	0.55 - 3.02	1.88	1.99	2	
		SiO_3	mmol m^{-3}	7	67	67	Niskin bottles	2 glass, 2 plastic vials; frozen	technicon AuA	NS	NS	12.9 - 75.0	36.8	33.9	2	
77-0058	SEA WATER	O_2	mol m^{-3}	4	20	20	NS	NS	NS	NS	NS	0.230 - 0.283	0.253	0.250	2	
77-0059	BIOTA (Algae: Fucus distichus)	Cu	mmol kg^{-1}	10	10	10	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 1.0% (BL) + 3.8% (OT)	0.057 - 0.913	0.173	0.084	2	DWB; Note 3

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
77-0059 (cont'd)		Pb	$\mu mol\ kg^{-1}$	10	10	2	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 20.9% (BL) - 6.7% (OT)	< 4.83 - 7.25	5.26	NC	2	DWB; Notes 8, 9
		Zn	$mmol\ kg^{-1}$	10	10	10	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 5.1% (BL) - 0.6% (OT)	0.199 - 0.857	0.398	0.360	2	DWB; Note 8
		Cd	$\mu mol\ kg^{-1}$	10	10	10	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 12.9% (BL) - 2.8% (OT)	5.1 - 18.7	13.3	13.8	2	DWB; Note 8
		Fe	$mmol\ kg^{-1}$	10	10	10	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 5.9% (BL) - 20.4% (OT)	0.23 - 13.79	2.84	1.56	3	DWB; Note 8
	(Mussels (soft body tissue only): Mytilus edulis)	Cu	$mmol\ kg^{-1}$	8	8	8	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 1.0% (BL) + 3.8% (OT)	0.14 - 0.43	0.20	0.16	3	whole body - DWB
		Pb	$\mu mol\ kg^{-1}$	8	8	5	NS	frozen in Whirlpak bags	washed with distilled H_2O blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 20.9% (BL) - 6.7% (OT)	< 4.8 - 24.2	9.6	7.7	3	whole body - DWB
		Zn	$mmol\ kg^{-1}$	8	8	8	NS	frozen in Whirlpak bags	washed with distilled H_2O blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 5.1% (BL) +0.6% (OT)	1.33 - 3.52	1.83	1.61	3	whole body - DWB
		Cd	$\mu mol\ kg^{-1}$	8	8	8	NS	frozen in Whirlpak bags	washed with distilled H_2O blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	+ 12.9% (BL) + 2.8% (OT)	29.4 - 61.4	49.4	52.5	3	whole body - DWB
		Fe	$mmol\ kg^{-1}$	8	8	8	NS	frozen in Whirlpak bags	washed with distilled H_2O blended; freeze-dried; oxidized (low heat); $+HNO_3$; AAS	NS	- 5.9% (BL) - 20.4% (OT)	2.7 - 14.5	7.1	7.3	3	whole body - DWB
77-0060	SEA WATER	O_2	$mol\ m^{-3}$	2	NS	NS	sfc: 5 gallon buckets; depth: Niskin bottles	NS	WT	NS	NS	0.21 - 0.31	NC	NC	2	NPG; data presented graphically
77-0061	BOTTOM SEDIMENT (< 2 mm fraction)	OC	$mol\ kg^{-1}$	14	17	17	Shipek grab sampler	4°C	dried; pulverized to < 150 μm; homogenized; boiled in HCl(80°C); filtered; washed; dried; LECO Induction Furnace technique	NS	+ 0.4% (CI)	0.64 - 1.50	0.97	0.88	2	DWB; Note 8; PC-8
		TKN	$mmol\ kg^{-1}$	14	17	17	Shipek grab sampler	4°C	dried; pulverized; Kjeldahl method	NS	+ 0.7% (1) + 0.2% (2) - 0.3% (3) + 0.0% (4) - 1.3% (5) (OL)	40. - 86.	60.	60.	2	DWB; Note 8; accuracy based on (1) reagent grade KNO_3, (2) $(NH_4)_2SO_4$, (3) 15-15-15 fertilizer, (4) 4-10-10 fertilizer, and (5) NBS orchard leaves reference

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
77-0062	BOTTOM SEDIMENT (<2 mm, >62.5 µm fraction)	$CaCO_3$	mol kg^{-1}	2	2	2	Shipek grab sampler	4°C	dried; pulverized to < 150 µm; homogenized; 6M HCl addition; gasometry	± 0.3%	NS	0.02 - 6.52	3.27	3.27	3	DWB; precision based on replicate standards
78-0028C	SEA WATER	chl. a	mg m^{-3}	13	13	13	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.32 - 10.01	2.41	1.58	2	
		Phaeo.	mg m^{-3}	13	13	13	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.64 - 3.86	1.65	1.41	2	
78-0028D	SEA WATER	chl.a	mg m^{-3}	10	10	10	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.47 - 3.84	1.33	0.95	2	
		Phaeo.	mg m^{-3}	10	10	9	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	< d.l. - 3.10	NC	0.51	2	d.l. not given
		PO_4	mmol m^{-3}	10	10	10	Jabsco impeller pump	filtered; frozen	manual colorimetry	NS	NS	0.15 - 0.97	0.49	0.45	2	
		NO_3	mmol m^{-3}	9	9	9	Jabsco impeller pump	filtered; frozen	manual colorimetry	NS	NS	1.67 - 9.40	4.49	3.13	2	
		NO_2	mmol m^{-3}	10	10	10	Jabsco impeller pump	filtered; frozen	manual colorimetry	NS	NS	0.070 - 0.441	0.239	0.248	2	
78-0028E	SEA WATER	chl. a	mg m^{-3}	15	15	15	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.18 - 5.83	1.33	0.57	2	
		Phaeo	mg m^{-3}	15	15	14	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	< d.l. - 1.78	NC	0.62	2	d.l. not given
		NO_3	mmol m^{-3}	9	9	9	Jabsco impeller pump	filtered; frozen	colorimetry - AuA	NS	NS	6.6 - 12.2	9.3	8.8	2	
		NO_2	mmol m^{-3}	9	9	9	Jabsco impeller pump	filtered; frozen	colorimetry - AuA	NS	NS	0.1 - 0.6	0.3	0.3	2	
78-0028F	SEA WATER	chl. a	mg m^{-3}	3	3	3	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.14 - 0.40	0.26	0.24	2	
		Phaeo.	mg m^{-3}	3	3	3	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.16 - 0.42	0.29	0.29	2	
		PO_4	mmol m^{-3}	3	3	3	Jabsco impeller pump	filtered; frozen	manual colorimetry	NS	NS	1.41 - 1.49	1.46	1.49	2	
		NO_3+NO_2	mmol m^{-3}	2	2	2	Jabsco impeller pump	filtered; frozen	manual colorimetry	NS	NS	14.1 - 16.1	15.1	15.1	2	
78-0028G	SEA WATER	chl. a	mg m^{-3}	8	8	8	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.54 - 15.08	4.24	1.49	2	
		Phaeo.	mg m^{-3}	8	8	8	Jabsco impeller pump	filtered; frozen	fluorometry	NS	NS	0.30 - 1.90	0.77	0.52	2	
		PO_4	mmol m^{-3}	10	10	10	Jabsco impeller pump	filtered; frozen	colorimetry - AuA	NS	NS	0.24 - 2.22	1.22	1.39	2	
		NO_3	mmol m^{-3}	10	10	9	Jabsco impeller pump	filtered; frozen	colorimetry - AuA	NS	NS	< d.l. - 19.7	NC	13.8	2	d.l. not given
		NO_2	mmol m^{-3}	10	10	10	Jabsco impeller pump	filtered; frozen	colorimetry - AuA	NS	NS	0.1 - 0.3	0.2	0.2	2	
78-0029A	SEA WATER	O_2	mol m^{-3}	12	116	116	PVC Niskin samplers	stoppered Erlenmeyer flasks pickled with $MnCl_2$/KI or NaI for 1 day	micro WT	± 0.01%	NS	0.141 - 0.414	0.248	0.230	3	
		PO_4	mmol m^{-3}	12	131	130	PVC Niskin samplers	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	< d.l. - 2.4	NC	1.8	2	d.l. not given
		SiO_3	mmol m^{-3}	12	131	126	PVC Niskin samplers	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	< d.l. - 54.0	NC	34.2	2	d.l. not given

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029A (cont'd)		NO_3	mmol m^{-3}	12	131	112	PVC Niskin samplers	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	< d.l. - 29.7	NC	20.0	2	
		SPM	g m^{-3}	10	39	39	PVC Niskin samplers	NS	gravimetry	NS	NS	0.21 - 3.06	0.99	0.85	2	
		PAH	mg m^{-3}	12	39	39	PVC Niskin samplers	NS	CH_2Cl_2 extraction; HPLC	NS	NS	3.7 - 271.6	37.5	18.5	2	
	BOTTOM SEDIMENT	ANTH + PHEN	µg kg^{-1}	16	19	19	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 2.94%	NS	0.5 - 463.0	80.5	35.7	3	DWB
		FLAN	µg kg^{-1}	16	19	18	Smith McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 5.76%	NS	< d.l. - 535.0	NC	31.0	3	DWB; d.l. not given
		PYRN	µg kg^{-1}	16	18	17	Smith McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 3.34%	NS	< d.l. - 643.0	NC	35.8	3	DWB; d.l. not given
		CHRY + B(a)A	µg kg^{-1}	16	18	17	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.56%	NS	< d.l - 872.0	NC	33.0	3	DWB; d.l. not given
		BFS	µg kg^{-1}	16	18	16	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.84%	NS	< d.l. - 1535.0	NC	75.0	3	DWB; d.l. not given
		BPS	µg kg^{-1}	16	18	16	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	< d.l. - 1545.0	NC	67.2	2	DWB; d.l. not given
		PERY	µg kg^{-1}	16	18	16	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	30.0 - 1474.0	368.0	201.0	2	DWB
		OC	mol kg^{-1}	2	17	17	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in plastic Whirlpak bags (-20°C)	$K_2Cr_2O_7$ oxidation; $Fe(NH_4)_2(SO_4)$-$6H_2O$ back titration	NS	NS	0.7 - 2.9	1.6	1.3	2	
		n-alkane np-HC (total)	mg kg^{-1}	15	17	17	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 5.50%	NS	0.43 - 4.58	2.47	2.70	3	
		RCM np-HC (total)	mg kg^{-1}	15	17	17	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 6.98%	NS	1.06 - 9.09	5.34	4.92	3	
		UCM np-HC	mg kg^{-1}	15	17	17	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 10.47%	NS	1.32 - 34.57	12.14	14.21	3	
		^{210}Pb	dpm g^{-1}	1	14	14	Smith-McIntyre grab; Soutar-Bruland box corer	frozen in plastic Whirlpak bags (-20°C)	HNO_3 digestion; electrodeposition as PbO_2; precipitated as $PbSO_4$; dried; flow-type counter	NS	NS	1.038 - 17.882	7.195	4.905	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029A (cont'd)	BIOTA (Mussels (soft body tissue only): Mytilus edulis)	PHEN + ANTH	$\mu g\ kg^{-1}$	3	4	4	fork, shovel or hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C);GCMS	NS	NS	6.1 - 17.4	10.8	9.9	2	WWB; PC-11
		FLAN	$\mu g\ kg^{-1}$	3	4	4	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C);GC	NS	NS	6.1 - 27.3	16.1	15.4	2	WWB
		PYRN	$\mu g\ kg^{-1}$	3	4	4	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	2.0 - 11.1	6.3	6.1	2	WWB
		CHRY + B(a)A	$\mu g\ kg^{-1}$	3	4	4	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	6.9 - 29.7	20.3	22.3	2	WWB
		BFS	$\mu g\ kg^{-1}$	3	4	2	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GC	NS	NS	< d.l. - 32.1	NC	NC	2	WWB; d.l. not given; Note 9
		BPS + PERY	$\mu g\ kg^{-1}$	3	4	2	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GC	NS	NS	< d.l. - 34.6	NC	NC	2	WWB; d.l. not given; Note 9
		alkane np-HC (total)	$mg\ kg^{-1}$	3	4	2	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	< d.l. - 0.041	NC	NC	2	WWB; d.l. not given; Note 9
		RCM np-HC (total)	$mg\ kg^{-1}$	3	4	4	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	1.50 - 15.92	7.03	5.35	2	WWB
		UCM np-HC (total)	$mg\ kg^{-1}$	3	4	4	fork, shovel or hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	5.06 - 31.35	16.26	14.32	2	WWB
78-0029B	SEA WATER	O_2	$mol\ m^{-3}$	15	165	165	PVC samples	stoppered Erlenmeyer flasks; pickled with $MnCl_2$/KI or NaI for 1 day	micro WT	± 0.01%	NS	0.107 - 0.372	0.214	0.210	3	
		PO_4	$mmol\ m^{-3}$	21	231	231	PVC samplers	acid washed glass vials	colorimetry; technicon AuA II	NS (Note 7)	NS (Note 7)	0.20 - 2.95	1.63	1.66	2	
		SiO_3	$mmol\ m^{-3}$	21	231	231	PVC samplers	acid washed glass vials	colorimetry; technicon AuA II	NS (Note 7)	NS (Note 7)	4.6 - 64.4	36.8	34.8	2	
		NO_3	$mmol\ m^{-3}$	21	231	231	PVC samples	acid washed glass vials	colorimetry; technicon AuA II	NS (Note 7)	NS (Note 7)	3.6 - 29.0	19.2	19.2	2	
		SPM	$g\ m^{-3}$	17	57	57	PVC samplers	NS	gravimetry	NS	NS	0.02 - 3.05	0.37	0.17	2	
		PAH	$mg\ m^{-3}$	21	114	114	PVC samplers	NS	CH_2Cl_2 extraction; HDLC	NS	NS	0.003 - 1.149	0.041	0.011	2	
	BOTTOM SEDIMENT	ANTH + PHEN	$\mu g\ kg^{-1}$	13	13	13	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 2.94%	NS	2.8 - 263.0	70.2	31.8	3	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029B (cont'd)		FLAN	$\mu g\ kg^{-1}$	13	13	13	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 5.76%	NS	3.3 - 361.0	99.4	33.3	3	DWB
		PYRN	$\mu g\ kg^{-1}$	12	12	12	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 3.34%	NS	4.6 - 397.0	110.3	48.9	3	DWB
		CHRY + B(a)A	$\mu g\ kg^{-1}$	13	13	13	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.56%	NS	7.2 - 700.0	152.0	51.7	3	DWB
		BF5	$\mu g\ kg^{-1}$	13	13	13	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.84%	NS	14.6 - 1389.0	391.5	112.0	3	DWB
		BP5	$\mu g\ kg^{-1}$	13	13	13	Smith-McIntyre type grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	12.1 - 1246.0	340.0	85.5	3	DWB
		PERY	$\mu g\ kg^{-1}$	2	4	4	Smith-McIntyre type grab	frozen in alminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	88.0 - 1562.0	687.3	549.5	3	DWB
	(total)	n-alkane np-HC	$mg\ kg^{-1}$	22	22	22	Smith-McIntyre grab	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 5.50%	NS	0.23 - 24.34	3.54	2.47	3	
	(total)	RCM np-HC	$mg\ kg^{-1}$	16	16	16	Smith-McIntyre grab	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 6.98%	NS	4.70 - 50.49	20.78	15.69	3	
	(total)	UCM np-HC	$mg\ kg^{-1}$	16	16	16	Smith-McIntyre grab	frozen in aluminum cans (-20°C)	GC (FID); well documented	± 10.47%	NS	1.74 - 112.57	40.10	30.43	3	
		OC	$mol\ kg^{-1}$	14	14	14	Smith-McIntyre grab	frozen in plastic Whirlpak bags (-20°C)	$K_2Cr_2O_7$ oxidation; $Fe(NH_4)_2(SO_4)\cdot 6H_2O$ back titration	NS	NS	0.2 - 3.0	1.5	1.5	2	
	BIOTA (Mussels (soft body tissue only): Mytilus edulis)	PHEN + ANTH	$\mu g\ kg^{-1}$	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	79.5	-	2	WWB; PC-11
		FLAN	$\mu g\ kg^{-1}$	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	126.4	-	2	WWB; PC-11
		PYRN	$\mu g\ kg^{-1}$	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	112.7	-	2	WWB; PC-11

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029B (cont'd)		CHRY + B(a)A	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	173.	-	2	WWB; PC-11
		BFS	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	95.7	-	2	WWB; PC-11
		BPS + PERY	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	73.8	-	2	WWB; PC-11
		alkane np-HC (total)	mg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	-	0.32	-	2	WWB; PC-11
		RCM np-HC (total)	mg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	-	24.21	-	2	WWB; PC-11
		UCM np-HC (total)	mg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	-	102.27	-	2	WWB; PC-11
	(Heart Urchin (soft body tissue only))	PHEN + ANTH	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	9.2	-	2	WWB; PC-11
		FLAN	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	37.7	-	2	WWB;
		PYRN	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	49.4		2	WWB
		CHRY + B(a)A	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	9.4		2	WWB
		BFS	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	400	-	2	WWB
		BPS + PERY	µg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	311	-	2	WWB;

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029B (cont'd)		alkane np-HC (total)	mg kg^{-1}	1	1	0	by hand at mid tide level	wrapped in tin foil; well documented	GC (FID); well documented	NS	NS	-	< d.l.		2	WWB; d.l. not given
		RCM np-HC (total)	mg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	-	6.03	-	2	WWB
		UCM np-HC (total)	mg kg^{-1}	1	1	1	by hand at mid tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	-	69.32	-	2	WWB;
	(Mysids)	PHEN + ANTH	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	18.7		2	whole - WWB; PC-11
		FLAN	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	193	-	2	whole - WWB; PC-11
		PYRN	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	195	-	2	whole -WWB;
		CHRY + B(a)A	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	140		2	whole - WWB
		BFS	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	23	-	2	whole - WWB
		BFS + PERY	µg kg^{-1}	1	1	1	net tow	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	-	19		2	whole - WWB
78-0029C$_1$	SEA WATER	O_2	mol m^{-3}	14	159	159	PVC samples	stoppered Erlenmeyers pickled with $MnCl_2$/KI or NaI for 1 day	micro WT	± 0.01%	NS	0.121 - 0.338	0.249	0.260	3	
		PO_4	mmol m^{-3}	18	210	210	PVC samples	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	1.43 - 2.49	1.96	1.93	2	
		SiO_3	mmol m^{-3}	18	207	207	PVC samples	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	32.2 - 56.2	43.0	42.1	2	
		NO_3	mmol m^{-3}	18	210	210	PVC samples	acid washed glass vials	colorimetry - technicon AuA II	NS (Note 7)	NS (Note 7)	19.4 - 28.1	23.6	23.3	2	
		SS	g m^{-3}	17	162	162	PVC samples	NS	gravimetry	NS	NS	0.3 - 0.35	0.14	0.14	2	
		PAH	mg m^{-3}	18	86	86	PVC samples	NS	CH_2Cl_2 extraction; HPLC	NS	NS	0.0038 - 0.8883	0.0526	0.0166	2	
	BOTTOM SEDIMENT	PHEN + ANTH	µg kg^{-1}	12	12	12	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	2.5 - 164.0	46.1	29.5	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
78-0029C1 (cont'd)		FLAN	µg kg-1	12	12	12	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	2.1 - 296.	75.3	45.6	2	DWB
		PYRN	µg kg-1	12	12	12	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	2.9 - 287.	72.1	42.7	2	DWB
		CHRY + B(a)A	µg kg-1	11	11	11	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	5.3 - 470.	109.2	61.0	2	DWB
		BFS	µg kg-1	11	11	11	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	11.3 - 595.	180.6	123.0	2	DWB
		BPS	µg kg-1	11	11	11	Smith-McIntyre grab	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	9.0 - 553.	160.5	96.0	2	DWB
		n-alkane np-HC (total)	mg kg-1	22	28	25	Smith-McIntyre grab	frozen in alumnum cans (-20°C)	GC (FID); well documented	NS	NS	< d.l. - 10.41	NC	1.92	2	d.l. not given
		RCM np-HC (total)	mg kg-1	22	28	28	Smith-McIntyre grab	frozen in aluminum cans (-20°C)	GC (FID); well documented	NS	NS	0.28 - 39.77	6.38	4.82	2	
		UCM np-HC (total)	mg kg-1	22	28	28	Smith-McIntyre grab	frozen in aluminum cans (-20°C)	GC (FID) well documented	NS	NS	1.65 - 421.54	37.00	19.94	2	
		OC	mol kg-1	13	13	13	Smith-McIntyre grab	frozen in plastic Whirlpak bags (-20°C)	$K_2Cr_2O_7$ oxidation; $Fe(NH_4)_2 \cdot 6H_2O$ back titration	NS	NS	0.8 - 3.2	1.6	1.3	2	
78-0029C2	BIOTA (Mussels (soft body tissue only): Mytilus edulis)	PHEN + ANTH	µg kg-1	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	4.3 - 413.0	99.2	26.2	2	WWB;PC-11
		FLAN	µg kg-1	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	4. - 778.	226.	116.	2	WWB
		PYRN	µg kg-1	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-oxtane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	3. - 383.	113	76.	2	WWB
		CHRY + B(a)A	µg kg-1	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	8. - 349.	109.	68.	2	WWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0029C2 (cont'd)		BFS	$\mu g\ kg^{-1}$	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	5. - 316.	88.	50.	2	WWB
		BPB + PERY	$\mu g\ kg^{-1}$	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	15. - 223.	69.	38.	2	WWB
		alkane np-HC (total)	$\mu g\ kg^{-1}$	7	7	5	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	< d.l. - 7.91	NC	0.04	2	WWB; d.l. not given
		RCM np-HC (total)	$\mu g\ kg^{-1}$	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	0.24 - 25.07	7.19	5.02	2	WWB
		UCM np-HC (total)	$\mu g\ kg^{-1}$	7	7	7	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	1.34 - 112.31	31.54	16.65	2	WWB
78-0037	SEA WATER	O_2	$mol\ m^{-3}$	8	45	45	NS	NS	NS	NS	NS	0.191 - 0.257	0.221	0.216	2	
78-0038	BIOTA (Crab: Cancer magister)	PCB (Arochlor 1254)	$mg\ kg^{-1}$	9	18	18	traps	NS	NS	NS	NS	0.02 - 0.34	0.14	0.09	2	NPG; DWB
78-0039	SEA WATER (total)	Pb	$nmol\ kg^{-1}$	2	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	aqua regia digestion; stable isotope dilution; Patterson (1976)	NS	NS	NC	71.48	NC	2	NPG (seawater data only); data presented as mean values
	(dissolved)	Pb	$nmol\ kg^{-1}$	2	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	dithizone extraction; stable isotope dilution; Patterson (1976)	NS	NS	NC	55.54	NC	2	data presented as mean values
		$^{206}Pb/^{207}Pb$		2	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	MS	NS	NS	NC	1.247	NC	2	data presented as mean values
		$^{206}Pb/^{204}Pb$		2	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	MS	NS	NS	NC	20.63	NC	2	data presented as mean values
		$^{206}Pb/^{208}Pb$		2	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	MS	NS	NS	NC	0.5037	NC	2	data presented as mean values
	BOTTOM SEDIMENT	TOC	$mol\ kg^{-1}$	2	2	2	Smith-McIntyre grab	sealed polyethylene bags; under nitrogen (4°C)	air-dried; ground (<150μm); $K_2Cr_2O_7$, H_2SO_4/Ag_2SO_4 addition; swirled; left 30 min; $FeSO_4$ titration	NS	NS	0.9 - 2.3	1.6	1.6	2	DWB
		S (as sulphide)	$mmol\ kg^{-1}$	2	2	2	Smith-McIntyre grab	sealed polyethylene bags; under nitrogen (4°C)	H_2S production; HCl, I addition; thiosulphate/ starch back titration; Beak Consultants (1979)	NS	NS	0.12 - 0.12	0.12	0.12	2	DWB
		Pb (HNO_3 extract-able)	$mmol\ kg^{-1}$	2	2	2	Smith-McIntyre grab	sealed polyethylene bags; under nitrogen (4°C)	HNO_3 extraction; filtration (Whatman No. 3); FAAS on filtrate	NS	NS	0.045 - 0.004	0.025	0.025	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0039 (cont'd)		Pb (total)	mmol kg^{-1}	2	2	2	Smith-McIntyre grab	sealed polyethylene bags; under nitrogen (4°C)	aqua regia digestion; filtration (Whatman No. 42); FAAS on filtrate	NS	NS	0.058 - 0.580	0.319	0.319	2	DWB
		Cu (> 180 µm fraction)	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	- 9.5% (MT)	0.57 - 10.40	1.71	1.09	2	DWB
		Pb	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.04 - 1.27	0.24	0.12	2	DWB
		Zn	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	1.39 - 36.50	4.98	2.30	2	DWB
		Cd	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.008 - 0.383	0.079	0.037	2	DWB
		Fe	mol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.44 - 2.39	0.67	0.58	2	DWB
		Ni	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.233 - 0.873	0.600	0.622	2	DWB
		Ma	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	6.17 - 80.98	21.97	13.94	2	DWB
		Co	mmol kg^{-1}	16	41	41	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	0.2 - 2.4	0.4	0.3	2	DWB
		Ag	mmol kg^{-1}	16	41	40	Smith-McIntyre grab; box-corer	freeze-dried; frozen in Whirlpak bags	4:1 $HNO_3/HClO_4$ digestion; evaporated to dryness; 1.5M HCl addition; AAS	NS	NS	< d.l. - 0.041	NC	0.0058	2	DWB; not given
	size fraction not specified	U	pCi g^{-1}	4	12	12	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	NS	NS	NS	1.0 - 3.0	1.7	1.5	2	DWB
		^{226}Ra	pCi g^{-1}	4	12	12	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	NS	NS	NS	0.9 - 1.9	1.4	1.3	2	DWB
		^{210}Pb	pCi g^{-1}	4	12	10	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	NS	NS	NS	< 1. - 4.	2.	2.	2	DWB
		^{230}Th	pCi g^{-1}	4	12	12	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	NS	NS	NS	0.5 - 1.1	0.7	0.7	2	DWB
	BIOTA (Algae: Fucus distichus)	Cu	mmol kg^{-1}	14	15	15	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.04 - 2.00	0.41	0.09	2	DWB; Note 3
		Pb	mmol kg^{-1}	14	15	1	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.0199 - < 0.0216	NC	NC	2	DWB; Notes 3,9; d.l. varies with sample weight

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0039 (cont'd)		Zn	mmol kg^{-1}	14	15	15	box-corer	freeze-dried; frozen in Whirlpak bags; stored 2 y	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.37 - 2.45	0.89	0.71	2	DWB; Note 8
		Cd	µmol kg^{-1}	14	15	15	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	11.5 - 37.4	22.8	22.3	2	DWB; Note 8
		As	mmol kg^{-1}	14	15	15	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	-10.7% (OT)	0.16 - 0.36	0.28	0.28	2	DWB; Note 8
		Mo	mmol kg^{-1}	14	15	0	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.0711 - <0.0775	NC	NC	2	DWB; Notes 8,9; d.l. varies with sample weight
		Cr	mmol kg^{-1}	14	15	15	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 8.3% (BL) + 21.5% (OT)	< 0.0177 - 0.0348	NC	NC	2	DWB; Notes 8,9; d.l. varies with sample weight
		Fe	mmol kg^{-1}	14	15	15	NS	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	2.1 - 35.8	10.2	9.2	2	DWB; Note 8
	(Bivalves (soft body tissue only): Mytilus edulis, Yoldia thraciaeformis/ montereyensis)	Cu	mmol kg^{-1}	17	21	21	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.14 - 6.85	1.38	0.31	2	PC-14; whole body - DWB; Note 12
		Pb	mmol kg^{-1}	17	21	6	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.02 - 0.29	NC	NC	2	PC-14; whole body - DWB; d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	17	21	21	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.6 - 12.1	3.3	1.6	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
78-0039 (cont'd)		Cd	mmol kg^{-1}	17	21	21	NS for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	0.030 - 0.172	0.065	0.053	2	PC-14; whole body - DWB
		As	mmol kg^{-1}	17	21	19	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (BL)	< 0.09 - 0.76	0.20	0.10	2	PC-14; whole body - DWB; Note 8
		Mo	mmol kg^{-1}	17	21	0	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.049 - < 0.077	NC	NC	2	whole body - DWB; d.l. varies with sample weight
		Cr	mmol kg^{-1}	17	21	21	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	0.021 - 0.196	0.056	0.043	2	PC-14; whole body - DWB
		Fe	mmol kg^{-1}	17	21	21	NS (for M. edulis); otter trawl (for others)	frozen in Whirlpak bags	byssal gland and threads removed (M. edulis only); washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	10.0 - 215	42.3	19.0	2	PC-14; whole body - DWB
	(Crab: Lithodes aequispina)	Cu	mmol kg^{-1}	3	6	6	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.40 - 1.34	0.88	0.79	2	PC-14; muscle (leg) - DWB
		Pb	mmol kg^{-1}	3	6	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.0203 - < 0.0213	NC	NC	2	muscle (leg) - DWB; d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	3	6	6	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	2.74 - 2.97	2.86	2.86	2	PC-14; muscle (leg) - DWB
		Cd	µmol kg^{-1}	3	6	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	< 6.3 - < 6.5	NC	NC	2	muscle (leg) - DWB; d.l. varies with sample weight; Note 9
		As	mmol kg^{-1}	3	6	6	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (OT)	1.2 - 1.8	1.4	1.3	2	PC -14; muscle (leg) - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0039 (cont'd)		Mo	mmol kg^{-1}	3	6	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.074 - < 0.076	NC	NC	2	DWB: d.l. varies with sample weight; Note 9
		Cr	µmol kg^{-1}	3	6	5	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	< 0.018 - 0.0281	0.0223	0.0214	2	PC-14; muscle (leg) - DWB
		Fe	mmol kg^{-1}	3	6	6	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	0.16 - 0.24	0.21	0.21	2	PC-14; muscle (leg) - DWB
	(Shrimp: Crangon communis, Pondalopsis dispar, Pandalus borealis, Pandalus hypsinotus)	Cu	mmol kg^{-1}	6	13	13	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.69 - 1.84	1.38	1.54	2	PC-14; whole body - DWB
			mmol kg^{-1}	7	28	28	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.331 - 0.852	0.558	0.531	2	PC-14; muscle - DWB
			mmol kg^{-1}	2	7	7	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.50 - 1.25	0.76	0.64	2	PC-14; tail - DWB
		Pb	mmol kg^{-1}	6	13	1	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.020 - 0.031	NC	NC	2	whole body - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	7	28	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) +-6.7% (OT)	< 0.020 - < 0.022	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	2	7	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.020 - < 0.022	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	6	13	13	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.9 - 10.1	1.8	1.1	2	PC-14; whole body - DWB
			mmol kg^{-1}	7	28	28	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.716 - 0.941	0.788	0.763	2	PC-14; muscle DWB
			mmol kg^{-1}	2	7	7	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.79 - 1.28	0.99	1.04	2	PC-14; tail - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0039 (cont'd)		Cd	mmol kg^{-1}	6	13	11	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	< 0.006 - 0.306	0.043	0.024	2	PC-14; whole body - DWB; d.l. varies with sample weight
			mmol kg^{-1}	7	28	14	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	< 0.0061 - < 0.0664	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	2	7	2	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	< 0.0062- 0.0103	NC	NC	2	PC-14; tail - DWB; d.l. varies with sample weight; Note 9
		As	mmol kg^{-1}	6	13	13	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried, oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (OT)	0.21 - 0.55	0.36	0.33	2	PC-14; whole body - DWB
			mmol kg^{-1}	7	28	28	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (OT)	0.09 - 1.44	0.64	0.53	2	PC-14; muscle - DWB
			mmol kg^{-1}	2	7	7	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (OT)	0.28 - 0.83	0.55	0.56	2	PC-14; tail - DWB
		Mo	mmol kg^{-1}	6	13	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.073 - < 0.078	NC	NC	2	whole body - DWB; d.l. varies with sample weight; Note 9; Note 8
			mmol kg^{-1}	7	28	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.072 - < 0.078	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9; Note 8
			mmol kg^{-1}	2	7	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.073 - < 0.077	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9; Note 8
		Cr	mmol kg^{-1}	6	13	9	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	< 0.0019- 0.0388	0.0262	0.0265	2	PC-14; whole body - DWB; d.l. varies with sample weight
			mmol kg^{-1}	7	28	18	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	< 0.018 - 0.064	0.028	0.019	2	PC-14; muscle - DWB; d.l. varies with sample weight
			mmol kg^{-1}	2	7	5	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	< 0.018 - 0.066	0.033	0.026	2	PC-14; tail DWB; d.l. varies with sample weight

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0039 (cont'd)		Fe	mmol kg^{-1}	6	13	13	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	1.6 - 28.3	10.2	10.4	2	PC-14; whole body - DWB
			mmol kg^{-1}	7	28	28	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	0.26 - 6.05	1.24	0.84	2	PC-14; muscle - DWB
			mmol kg^{-1}	2	7	7	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	0.64 - 8.05	2.89	2.00	2	PC-14; tail - DWB
	(Fish: Hippoglossoides elassodon, Theragra chalcogramma)	Cu	mmol kg^{-1}	5	12	12	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.044 - 0.272	0.13	0.12	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	5	12	1	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 20.9% (BL) - 6.7% (OT)	< 0.020 - 0.021	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	5	12	12	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.283 - 0.907	0.482	0.386	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
		Cd	mmol kg^{-1}	5	12	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 12.9% (BL) + 2.8% (OT)	< 6.1 - < 6.6	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		As	mmol kg^{-1}	5	12	11	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 10.7% (OT)	< 0.09 - 0.56	0.25	0.23	2	PC-14; muscle - DWB
		Mo	mmol kg^{-1}	5	12	0	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	+ 10.9% (BL)	< 0.072 - < 0.077	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9; Note 3
		Cr	mmol kg^{-1}	5	12	7	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 8.3% (BL) + 21.5% (OT)	< 0.017 - 0.0448	0.0254	0.0238	2	PC-14; muscle - DWB; d.l. varies with sample weight
		Fe	µmol kg^{-1}	5	12	12	otter trawl	frozen in Whirlpak bags	washed with distilled H_2O; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP-OES	NS	- 5.9% (BL) - 20.4% (OT)	0.33 - 2.58	1.14	0.86	2	PC-14; muscle - DWB
78-0040	BOTTOM SEDIMENT (< 2 mm, > 62.5 µm)	$CaCO_3$	mol kg^{-1}	9	9	9	Shipek grab sampler	4°C	dried; pulverized to < 150 µm; homogenized; 6M HCl addition; gasometry	± 0.3%	NS	2.23 - 9.12	5.41	4.25	3	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
78-0041A	BOTTOM SEDIMENT	PCB	mg kg^{-1}	9	9	9	NS	NS	NS	NS	NS	0.4 - 8.8	1.7	0.7	2	NPG
78-0041B	BOTTOM SEDIMENT	PCB	mg kg^{-1}	11	11	11	NS	NS	NS	NS	NS	0.3 - 2.7	1.0	0.8	2	NPG
79-0036A	SEA WATER	chl. a	mg m^{-3}	16	16	16	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.27 - 6.79	2.32	1.92	2	
		Phaeo.	mg m^{-3}	16	16	14	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	< d.l. - 1.89	NC	0.30	2	d.l. not given
		SiO_3	mmol m^{-3}	16	16	16	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	2.4 - 29.7	14.1	12.7	2	
		$NO_3 + NO_2$	mmol m^{-3}	16	16	16	Jabsco impeller	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.2 - 10.7	4.9	4.9	2	
		PO_4	mmol m^{-3}	16	16	16	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.22 - 1.32	0.80	0.86	2	
79-0036B	SEA WATER	chl. a	mg m^{-3}	13	13	13	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.31 - 5.24	2.92	3.21	2	
		Phaeo.	mg m^{-3}	13	13	13	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.22 - 1.99	0.92	0.76	2	
		SiO_3	mmol m^{-3}	13	13	12	Jabsco impeller pump	filtered; frozen	colorimetry - technican AuA	NS	NS	< 1.0 - 25.4	6.7	3.7	2	
		$NO_3 + NO_2$	mmol m^{-3}	13	13	8	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 0.1 - 6.9	1.6	0.2	2	
		PO_4	mmol m^{-3}	13	13	13	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.1 - 0.9	0.4	0.4	2	
79-0036C	SEA WATER	chl. a	mg m^{-3}	15	15	15	Jabsco impeller pump	filtered; frozen	acetone extraction; colorimetry	NS	NS	0.40 - 4.52	2.26	2.17	2	
		Phaeo.	mg m^{-3}	15	15	15	Jabsco impeller pump	filtered; frozen	acetone extraction; colorimetry	NS	NS	0.22 - 1.45	0.62	0.58	2	
		SiO_3	mmol m^{-3}	15	15	14	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 1.0 - 20.8	7.4	5.0	2	
		$NO_3 + NO_2$	mmol m^{-3}	15	15	15	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.2 - 8.3	1.1	0.4	2	
		PO_4	mmol m^{-3}	15	15	15	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.2 - 0.9	0.4	0.5	2	
79-0036D	SEA WATER	chl. a	mg m^{-3}	28	28	28	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.05 - 0.34	0.18	0.17	2	
		Phaeo.	mg m^{-3}	28	28	28	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.03 - 0.19	0.09	0.08	2	
		SiO_3	mmol m^{-3}	24	24	24	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	10.72 - 69.70	29.63	22.67	2	
		$NO_3 + NO_2$	mmol m^{-3}	25	25	25	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	9.00 - 26.40	16.94	16.37	2	
		PO_4	mmol m^{-3}	25	25	25	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.80 - 3.29	1.32	1.17	2	
79-0036E	SEA WATER	chl. a	mg m^{-3}	27	27	27	Jabsco impeller pump	filtered; frozen	acetone exraction; fluorometry	NS	NS	0.33 - 7.46	1.30	0.55	2	
		Phaeo.	mg m m^{-3}	27	27	27	Jabsco impeller pump	filtered; frozen	acetone extraction; fluorometry	NS	NS	0.22 - 2.66	0.65	0.45	2	
		SiO_3	mmol m^{-3}	24	24	24	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	1.80 - 42.45	13.23	11.13	2	
		$NO_3 + NO_2$	mmol m^{-3}	25	25	23	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 0.10 - 15.72	4.23	3.48	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
79-0036E (cont'd)		PO_4	mmol m^{-3}	25	25	25	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	0.06 - 1.44	0.50	0.42	2	
79-0036F	SEA WATER	chl. a	mg m^{-3}	20	20	20	Jabsco impeller pump	filtered; frozen	acetone extractions; fluorometry	NS	NS	0.29 - 6.76	2.76	2.59	2	
		Phaeo.	mg m^{-3}	20	20	20	Jabsco impeller pump	filtered; frozen	acetone extractions; fluorometry	NS	NS	k0.29 - 2.98	1.08	0.92	2	
		SiO_3	mmol M^{-3}	17	17	14	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 1.00 - 22.42	6.15	4.41	2	
		$NO_3 + NO_2$	mmol m^{-3}	17	17	12	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 0.10 - 7.14	1.24	0.36	2	
		PO_4	mmol m^{-3}	17	17	11	Jabsco impeller pump	filtered; frozen	colorimetry - technicon AuA	NS	NS	< 0.05 - 0.73	0.17	0.12	2	
79-0051	SEA WATER	O_2	mol m^{-3}	14	202	202	N/A (in-situ)	N/A (in-situ)	Plessey CTD: DO probe	NS	NS	0.232 - 0.397	0.322	0.320	2	NPG; values are approx. 0.05 mol m^{-3} greater than if determined by WT
	BOTTOM SEDIMENT	Cd	mmol kg^{-1}	40	40	7	NS	NS	NS	NS	NS	< d.l. - 0.0650	0.0128	0.0109	2	d.l. varies with sample weight; Note 9
		Cu	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.26 - 52.6	3.65	0.85	2	
		Fe	mol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.326 - 0.841	0.621	0.621	2	
		Hg	μmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.97 - 13.3	3.35	2.36	2	
		Mn	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	5.35 - 19.29	9.70	8.85	2	
		Ni	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.188 - 0.603	0.458	0.476	2	
		Pb	mmol kg^{-1}	40	40	19	NS	NS	NS	NS	NS	< 0.04 - 1.76	NC	NC	2	d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.54 - 23.18	2.99	1.64	2	
		Cr	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	0.34 - 1.11	0.71	0.71	2	
		V	mmol kg^{-1}	40	40	40	NS	NS	NS	NS	NS	1.00 - 2.23	1.77	1.79	2	
		PCB	mg kg^{-1}	11	11	11	NS	NS	NS	NS	NS	0.01 - 2.60	0.40	0.21	2	
	BIOTA (Crab: Cancer magister)	PCB (Arochlor 1254)	mg kg^{-1}	6	12	7	NS	NS	NS	NS	NS	< 0.005 - 0.200	0.032	0.014	2	DWB
79-0054A	BIOTA (Clams (soft body tissue only): Macoma inconspicua)	PHEN + ANTH	μg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	23.4 - 58.9	41.2	41.2	2	WWB; PC-11
		FLAN	μg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	34.6 - 43.6	39.1	39.1	2	WWB; PC-11
		PYRN	μg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	26.9 - 36.3	31.6	31.6	2	WWB; PC-11

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
79-0034A (cont'd)		CHRY + B(a)A	µg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	13.2 - 108.0	60.6	60.6	2	WWB; PC-11
		BFS	µg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	10. - 324.	167.	167.	2	WWB; PC-11
		BPS + PERY	µg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	16. - 252.	134.	134.	2	WWB; PC-11
		alkane np-HC (total)	mg kg^{-1}	2	2	1	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	GC (FID); well documented	NS	NS	< d.l. - 0.0034	NC	NC	2	WWB; d.l. not given; Note 9
		RCM np0-HC (total)	mg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	GC (FID); well documented	NS	NS	1.78 - 4.66	3.22	3.22	2	WWB
		UCM np-HC (total)	mg kg^{-1}	2	2	2	fork, shovel or by hand on mud flats	wrapped in tin foil; frozen (-70°C)	GC (FID); well documented	NS	NS	5.01 - 12.27	8.64	8.64	2	WWB
	(Mussels (soft body tissue only): Mytilus edulis)	PHEN + ANTH	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen -20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	5.8 - 14.4	11.1	13.0	2	WWB; PC-11
		FLAN	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	10.7 - 44.2	32.5	42.5	2	WWB
		PYRN	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	7.2 - 34.6	25.2	33.8	2	WWB
		CHRY + B(a)A	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	12. - 457.	172.	48.	2	WWB
		BFS	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	4.8 - 29.5	18.8	22.0	2	WWB
		BPS + PERY	µg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	NS	NS	4.8 - 24.4	15.4	17.0	2	WWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
79-0054A (cont'd)		alkane np-HC (total)	mg kg^{-1}	3	3	1	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	< d.l. - 0.93	NC	NC	2	WWB; d.l. not given; Note 9
		RCM np-HC (total)	mg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	2.07 - 21.62	12.84	14.84	2	WWB
		UCM np-HC (total)	mg kg^{-1}	3	3	3	by hand at mid-tide level	wrapped in tin foil; frozen (-20°C)	GC (FID); well documented	NS	NS	6.62 - 63.82	36.84	40.07	2	WWB
79-0054B	BOTTOM SEDIMENT	ANTH + PHEN	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	± 2.94%	NS	8.9 - 216.0	31.6	11.8	3	DWB
		FLAN	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	± 5.76%	NS	0.7 - 387.0	50.4	2.3	3	DWB
		PYRN	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; stored in dark (-10°C); GCMS	± 3.34%	NS	1.4 - 433.0	56.7	4.3	3	DWB
		CHRY + B(a)A	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.56%	NS	3.3 - 433.0	61.5	9.0	3	DWB
		BFS	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	± 6.84%	NS	3.0 - 709.0	89.4	5.0	3	DWB
		BPS	µg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	3.3 - 600.0	76.0	7.2	2	DWB
		PERY	µg kg^{-1}	1	1	1	Soutar-Bruland box corer	frozen in aluminum cans; wrapped in tin foil (-20°C)	EtOH/KOH extraction; iso-octane extraction; elution from florisil column with pentane/ iso-octane then benzene; GCMS	NS	NS	-	13.2	-	2	DWB
		OC	mol kg^{-1}	1	14	14	Soutar-Bruland box corer	frozen in plastic Whirlpak bags (-20°C)	$K_2Cr_2O_7$ oxidation; $Fe(NH_4)_2 \cdot 6H_2O$ back titration	NS	NS	1.3 - 1.5	1.4	1.4	2	DWB
		alkane np-HC (total)	mg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; (-20°C)	GC (FID); well documented	NS	NS	0.63 - 3.51	1.86	1.71	2	DWB
		RCM np-HC (total)	mg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; (-20°C)	GC (FID); well documented	NS	NS	0.77 - 7.64	3.27	2.92	2	DWB
		UCM np-HC (total)	mg kg^{-1}	1	15	15	Soutar-Bruland box corer	frozen in aluminum cans; (-20°C)	GC (FID); well documented	NS	NS	1.9 - 22.9	6.07	3.4	2	DWB
		^{210}Pb	dpm g^{-1}	1	12	12	Soutar-Bruland box corer	frozen in plastic Whirlpak bags (-20°C)	HNO_3 digestion; electrodeposition as PbO_2; precipitated as $PbSO_4$; dried; flow-type counter	NS	NS	0.811 - 11.743	3.726	2.169	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES xd.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
79-0035	SEA WATER	$^{206}Pb/^{207}Pb$		1	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	aqua regia digestion; stable isotope dilution; Patterson (1976)	NS	NS	-	1.238	-	2	data presented as mean value
		$^{206}Pb/^{204}Pb$		1	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	aqua regia digestion; stable isotope dilution: Patterson (1976)	NS	NS	-	20.59	-	2	data presented as mean value
		$^{206}Pb/^{208}Pb$		1	NS	NS	sfc: PE bottles; depth: peristaltically pumped into PE bottles	NS	aqua regia digestion; stabl isotope dilution; Patterson (1976)	NS	NS	-	0.499	-	2	data presented as mean value
79-0056A	BOTTOM SEDIMENT	Al	mol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.119 - 0.668	0.321	0.313	2	DWB
		Ba	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.080 - 0.561	0.190	0.175	2	DWB
		Cd	µmol kg^{-1}	38	38	2	Shipek grab	NS	GFAAS or ICAP - OES	NS	NS	< 4.2 - 14.6	NC	NC	2,1	DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.17 - 0.98	0.38	0.32	2	DWB
		Cu	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.038 - 0.228	0.085	0.078	2	DWB
		Fe	mol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.18 - 2.17	0.56	0.40	2	DWB
		Hg	µmol kg^{-1}	38	38	38	Shipek grab	NS	GFAAS	NS	NS	0.5 - 3.0	1.3	1.3	2	DWB
		Mg	mol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.117 - 0.323	0.171	0.165	2	DWB
		Mn	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	2.48 - 12.2	5.11	4.45	2	DWB
		Mo	mmol kg^{-1}	38	38	0	Shipek grab	NS	ICAP - OES	NS	NS	< 0.174 - < 0.257	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	38	38	8	Shipek grab	NS	ICAP - OES	NS	NS	< 0.16 - > 0.28	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	38	38	7	Shipek grab	NS	ICAP - OES	NS	NS	< 0.043 - 0.104	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Si	mol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.063 - 0.283	0.095	0.086	2	DWB
		Sn	mmol kg^{-1}	38	38	1	Shipek grab	NS	ICAP - OES	NS	NS	< 0.193 - < 0.277	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Sr	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.45 - 23.5	2.42	0.93	2	DWB; Note 9
		Ti	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	7. - 116.	40.	33.	2	DWB; Note 9
		V	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.66 - 7.85	1.91	1.33	2	DWB; Note 9
		Zn	mmol kg^{-1}	38	38	38	Shipek grab	NS	ICAP - OES	NS	NS	0.202 - 0.774	0.378	0.352	2	DWB; Note 9
	(< 2mm, > 6.5 µm)	$CaCO_3$	mol kg^{-1}	87	87	52	Shipek grab	4°C	wet sieved; dried; crushed; HCl addition; gasometric method	± 0.3%	NS	< 0.10 - 7.38	1.15	0.31	3	DWB; PC-8
79-0056B	BOTTOM SEDIMENT	Al	mol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.179 - 0.574	0.311	0.305	2	DWB
		Ba	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.094 - 0.444	0.172	0.151	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
79-0056B (cont'd)			Cd	μmol kg^{-1}		20	20 0	Shipek grab	ICAP - OES or GFAAS	NS	NS	< 3.8 - < 10.7	NC	NC	1	DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.219 - 0.594	0.325	0.291	2	DWB
		Cu	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.042 - 0.238	0.092	0.080	2	DWB
		Fe	mol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.23 - 1.10	0.43	0.37	2	DWB
		Hg	μmol Kg^{-1}	20	20	18	Shipek grab	NS	GFAAS	NS	NS	< 0.4 - 1.9	1.1	1.0	2	DWB; d.l. varies with sample weight; Note 9
		Mg	mol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.142 - 0.506	0.223	0.197	2	DWB
		Mn	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	2.9 - 10.2	4.6	4.2	2	DWB
		Mo	mmol kg^{-1}	20	20	0	Shipek grab	NS	ICAP - OES	NS	NS	< 0.184 - < 0.194	NC	NC	1	DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	20	20	6	Shipek grab	NS	ICAP - OES	NS	NS	< 0.161 - 0.320	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Pb	mmol kg^{-1}	20	20	1	Shipek grab	NS	ICAP - OES	NS	NS	< 0.0456 - < 0.0594	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Si	mol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.062 - 0.189	0.091	0.084	2	DWB
		Sn	mol kg^{-1}	20	20	0	Shipek grab	NS	ICAP - OES	NS	NS	< 0.199 - < 0.210	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Sr	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.56 - 5.33	1.29	0.76	2	DWB
		Ti	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	15.3 - 75.2	34.8	33.6	2	DWB
		V	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.72 - 3.87	1.55	1.33	2	DWB
		Zn	mmol kg^{-1}	20	20	20	Shipek grab	NS	ICAP - OES	NS	NS	0.135 - 0.529	0.289	0.286	2	DWB
	(< 2mm to > 62.5 μm)	$CaCO_3$	mol kg^{-1}	35	35	26	Shipek grab	4°C	wet sieved; dried crushed; HCl addition; gasometric method	± 0.3%	NS	< 0.10 - 6.52	1.26	0.89	3,2	DWB
80-0042A	SEA WATER	NO_3	mmol m^{-3}	9	32	32	Van Dorn bottles	H_2SO_4 addition; room temperature for up to 5 months	APHA (1976)	NS	NS	0.9 - 7.1	3.0	2.2	0	NPG; improper storage
		NO_2	mmol m^{-3}	9	34	7	Van Dorn bottles	NS	azo dye formation APHA (1976)	NS	NS	< 0.2 - 0.3	0.2	NC	2	Note 9
		NH_3 (total)	mmol m^{-3}	9	34	4	Van Dorn bottles	NS	distillation; Nesslerization APHA (1976)	NS	NS	< 3.6 - 7.1	3.8	NC	2	Note 9
		TKN	mmol m^{-3}	9	34	27	Van Dorn bottles	NS	acid digestion; APHA (1976)	NS	NS	< 3.6 - 16.4	7.4	6.4	2	
		chl. a	mg m^{-3}	5	26	26	Van Dorn bottles	Pyrex BOD; filtered (0.8 μm); frozen	filtration; extraction of filter at 90% acetone; FS	NS	NS	1.17 - 7.70	3.47	3.18	2	
	BOTTOM SEDIMENT (surface layer)	chl. a	mg m^{-2}	10	29	29	NS	addition of river H_2O; filtered (10 μm); elutriate placed in BOD bottles	NS	NS	NS	-	146	-	2	WWB; data presented as mean value
	(interstial water)	DON	mmol m^{-3}	5	5	5	NS	frozen; distilled H_2O extraction; filtered (0.45 μm); elutiate frozen	NS	NS	NS	0.93 - 33.69	10.75	4.61	2	WWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
80-0042A (cont'd)			NO_3	mmol m^{-3}	5	5	5	NS H_2O extraction; filtered (0.45 µm); elutiate frozen	NS	NS	NS	0.13 - 0.92	0.31	0.15	2	WWB
		NH_3	mmol m^{-3}	5	5	5	NS	frozen; distilled H_2O extraction; filtered (0.45 µm); elutiate frozen	NS	NS	NS	7.23 - 37.54	15.61	11.42	2	WWB
		P	mmol m^{-3}	5	5	5	NS	filtered (0.8 µm); frozen; distilled H_2O extraction; filtered (0.45 µm); elutriate frozen	NS	NS	NS	0.25 - 0.89	0.53	0.42	2	WWB
	BIOTA (Algae: Zoster Marina)	chl.a	mg m^{-2}	4	11	11	NS	NS	NS	NS	NS	15. - 76.	47.	46.	2	
80-0042B	SEA WATER	NO_3	mmol m^{-3}	6	54	54	Van Dorn bottles	in H_2SO_4 at room temperature for up to 3 months	APHA (1976)	NS	NS	0.5 - 3.1	1.5	1.4	0	NPG; improper storage
		NO_2	mmol m^{-3}	6	56	0	Van Dorn bottles	NS	azo-dye formation; APHA (1976)	NS	NS	-	< 0.2	-	2	Note 9
	SEA WATER	NH_3 (total)	mmol m^{-3}	6	56	2	Van Dorn bottles	NS	distillation; Nesslerization; APHA (1976)	NS	NS	< 3.6 - 15.	3.8	NC	2	Note 9
		TKN (total)	mmol m^{-3}	6	56	55	Van Dorn bottles	NS	acid digestion; APHA (1976)	NS	NS	< 3.6 - 37.1	10.3	8.6	2	
		chl.a	mg m^{-3}	4	48	48	Van Dorn bottles	NS	filtration; extraction of filter in 90% acetone; FS	NS	NS	0.72 - 6.89	3.07	3.25	2	
	BOTTOM SEDIMENT (interstial water)	DON	mmol m^{-3}	5	5	5	NS	frozen; distilled H_2O extraction; filtered (0.45 µm); elutriate frozen	NS	NS	NS	2.26 - 28.81	14.46	13.36	2	
		NO_3	mmol m^{-3}	5	5	5	NS	frozen; distilled H_2O extraction; filtered (0.45 µm); elutriate frozen	NS	NS	NS	0.10 - 0.27	0.18	0.16	2	
		NH_3	mmol m^{-3}	5	5	5	NS	frozen; distilled H_2O extraction; filtered (0.45 µm); elutriate frozen	NS	NS	NS	8.03 - 102.0	39.10	23.82	2	
		P	mmol m^{-3}	5	5	5	NS	filtered (0.8 µm); frozen; distilled H_2O extraction; filtered (0.45 µm); elutriate frozen	NS	NS	NS	0.027 - 0.71	0.37	0.45	2	
	BIOTA (Algae: Zoster Marina)	chl.a	mg m^{-3}	3	15	15	NS	NS	NS	NS	NS	5.6 - 295.	113.	84.	2	For most stations duplicate samples were combined prior to analysis

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043A	SEA WATER (soluble)	Pb	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; dithizone extraction; IDMS	±1% - 5%	±1% - 5%	0.007 - 0.23	0.015	0.017	4	NPG (for sea water samples only); precision and accuracy vary with concentration
		Zn	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; dithizone extraction; IDMS	± 1%	± 1%	0.9 - 2.3	1.4	1.1	4	precision and accuracy vary with concentration
		Cd	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; dithizone extraction; IDMS	± 1%	± 1%	0.118 - 0.172	0.133	0.126	4	precision and accuracy vary with concentration
	(total)	Pb	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; aqua regia digestion; IDMS	NS	NS	0.12 - 0.91	0.36	0.23	2	
		Zn	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; aqua regia digestion; IDMS	NS	NS	5.1 - 43.1	14.9	7.5	2	
		Cd	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	isotope spike; aqua regia digestion; IDMS	NS	NS	0.126 - 0.245	0.156	0.138	2	
	(soluble)	$^{206}Pb/^{207}Pb$		5	7	7	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; SFMS	±1% - 5%	±1% - 5%	1.2279 - 1.2745	1.2450	1.2576	4	precision and accuracy vary with concentration
		$^{206}Pb/^{208}Pb$		5	7	7	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; SFMS	±1% - 5%	±1% - 5%	0.4988 - 0.5206	0.5085	0.5116	4	precision and accuracy vary with concentration
		$^{206}Pb/^{204}Pb$		5	7	7	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; SFMS	±1% - 5%	1% - 5%	19.14 - 20.36	19.59	19.65	4	precision and accuracy vary with concentration
	(particulate)	$^{206}Pb/^{207}Pb$		1	1	1	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; aqua regia digestion; SFMS	NS	NS	-	1.2276	-	2	
		$^{206}Pb/^{208}Pb$		1	1	1	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; aqua regia digestion; SFMS	NS	NS	-	0.4993	-	2	
		$^{206}Pb/^{204}Pb$		1	1	1	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen in PE bottles	dithizone extraction; aqua regia digestion; SFMS	NS	NS	-	19.148	-	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043A (cont'd)	BOTTOM SEDIMENT (< 180 um)	Mo	mmol kg^{-1}	33	37	16	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	<0.189 - 1.576	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Cu	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and and Davidson (1979)	± 11% ± 12% ± 10%	- 5.7% (BCSS) + 3.8% (MESS) + 9.2% (RS)	0.4 - 9.37	1.15	0.98	3	PC-15; DWB; precision based on replicate standards
		Pb	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	± 10% ± 8% ± 8%	- 11.3% (BCSS) + 12.1% (MESS) - 12.3% (RS)	0.227 - 0.925	0.489	0.444	3	PC-15; DWB; precision based on replicate standards
		Zn	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	± 4% ± 4% ± 8%	- 14.3% (BCSS) - 9.8% (MESS) - 3.0% (RS)	1.3 - 26.4	3.3	2.9	3	PC-15; DWB; precision based on replicate standards
		Cd	µmol kg^{-1}	33	37	24	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	± 17% ± 26%	+ 50% (BCSS) + 18.1% (MESS) - 27.5% (RS)	< 4.8 - 60.8	14.5	8.6	2,3	PC-15; DWB; precision based on replicate standards; d.l. varies with sample weight
		Fe	mol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.53 - 2.09	0.75	0.74	2	DWB
		Ni	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and and Davidson (1979)	NS	NS	0.339 - 0.884	0.654	0.688	2	DWB
		Mn	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and and Davidson (1979)	NS	NS	8.8 - 41.9	18.3	17.7	2	DWB
		Cr	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.53 - 1.28	0.81	0.88	2	DWB
		Ti	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	20.4 - 25.9	22.7	22.3	2	DWB
		V	mmol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	1.33 - 3.60	2.04	2.05	2	DWB
		Hg	µmol kg^{-1}	33	37	32	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.39 - 3.90	1.07	0.84	2	DWB; d.l. varies with sample weight
		Al	mol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.63 - 1.13	0.87	0.83	2	DWB
		Si	mol kg^{-1}	33	37	37	Smith McIntyre grab	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.069 - 0.129	0.091	0.093	2	DWB
	BIOTA (Crab: Lithodes aequispina)	Cu	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	-	0.063	-	3	PC-14; muscle (leg) - DWB
		Pb	µmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	-	0.58	-	3	PC-14; muscle (leg) - DWB
		Zn	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	-	0.274	-	3	PC-14; muscle (leg) - DWB
		Cd	µmol kg^{-1}	1	1	0	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	-	< 0.4	-	2	muscle (leg) - DWB; Note 9
		As	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	-	0.65	-	3	PC-14; muscle (leg) - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
80-0043A (cont'd)		Mo	mmol kg^{-1}	1	1	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	-	< 0.073	-	2	muscle (leg) - DWB; Note 9
		Cr	mmol kg^{-1}	1	1	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	-	< 0.013	-	2	muscle (leg) - DWB; Note 9
		Fe	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	-	0.542	-	2	PC-14; muscle (leg) - DWB
	(Shrimp: Euglus suckley, Pandalopsis dispar, Pandalus borealis)	Cu	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	-	1.09	-	2	PC-14; whole body - DWB
			mmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.675 - 0.757	0.716	0.716	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	-	13.5	-	2	PC-14; whole body - DWB
			µmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	2.7 - 2.8	2.8	2.8	2	PC-14; muscle - DWB
		Zn	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	-	1.10	-	2	PC-14; whole body - DWB
			mmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.829 - 0.863	0.846	0.846	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	-	28.1	-	2	PC-14; whole body - DWB
			µmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	1.1 - 3.5	2.3	2.3	2	PC-14; muscle - DWB
		As	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	-	0.36	-	2	PC-14; whole body - DWB
			mmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.3 - 1.3	0.8	0.8	2	PC-14; muscle - DWB
		Mo	mmol kg^{-1}	1	1	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	-	< 0.073	-	2	whole body - DWB Note 9
			mmol kg^{-1}	2	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<0.073 - <0.076	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Cr	µmol kg^{-1}	1	1	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	-	<14.0	-	2	whole body - DWB; Note 9
			µmol kg^{-1}	2	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	<13.8 - <14.1	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Fe	mmol kg^{-1}	1	1	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	-	18.3	-	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043A (cont'd)			mmol kg^{-1}	2	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	1.26 - 3.65	2.46	2.46	2	PC-14; muscle - DWB
	(Fish: Atheresthes stomias, Hippoglossoides elassodon, Theragra chalcogramma)	Cu	mmol kg^{-1}	2	9	9	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.07 - 0.11	0.09	0.09	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.13 - 0.17	0.15	0.15	2	PC-14; liver - DWB
		Pb	µmol kg^{-1}	2	9	8	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 4.2	1.7	1.2	2	PC-14; muscle - DWB
			µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<3.7 - <3.8	NC	NC	2	liver - DWB; d.l. varies with sample weight; Note 9
		Zn	mmol kg^{-1}	2	9	9	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.269 - 0.401	0.318	0.304	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.271 - 0.311	0.291	0.291	2	PC-14; liver - DWB
		Cd	mmol kg^{-1}	2	9	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 2.0	0.6	NC	2	PC-14; muscle - DWB: Note 9
			mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	2.4 - 3.8	3.1	3.1	2	PC-14; liver - DWB
		As	mmol kg^{-1}	2	9	9	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.2 - 1.1	0.5	0.4	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.03 - 0.03	0.03	0.03	2	PC-14; liver - DWB
		Mo	mmol kg^{-1}	2	9	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<0.736 - <0.0776	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<0.0153 - <0.0154	NC	NC	2	liver - DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	2	9	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 8.3% (BL) + 21.5% (OT)	<0.0137 - <0.0144	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	<0.0027 - <0.0029	NC	NC	2	liver - DWB; d.l. varies with sample weight; Note 9
		Fe	mmol kg^{-1}	2	9	9	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.12 - 0.57	0.32	0.30	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.261 - 0.385	0.323	0.323	2	PC-14;liver - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043B	SEA WATER (total)	Pb	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	0.19 - 5.75	1.79	0.71	2	NPG (for sea water samples only)
		Zn	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	9. - 130.	50.	28.	2	
		Cd	nmol kg^{-1}	5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	0.255 - 0.694	0.451	0.472	2	
	(dissolved)	Pb	nmol kg^{-1}	4	4	4	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.021 - 0.522	0.184	0.097	4	precision and accuracy vary with concentration
		Zn	nmol kg^{-1}	4	4	4	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	2.95 - 8.43	5.04	4.38	4	precision and accuracy vary with concentration
		Cd	nmol kg^{-1}	4	4	4	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.200 - 0.409	0.330	0.622	4	precision and accuracy vary with concentration
	(dissolved)	$^{206}Pb/^{208}Pb$		5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	dithizone extraction; SFMS	±1%-5%	±1%-5%	0.4963 - 0.5232	0.5145	0.5165	4	precision and accuracy vary with concentration
		$^{206}Pb/^{207}Pb$		5	5	5	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	dithizone extraction; SFMS	±1%-5%	±1%-5%	1.2296 - 1.2849	1.2664	1.2783	4	precision and accuracy vary with concentration
		$^{206}Pb/^{204}Pb$		1	1	1	CPE bottles cleaned by: 4d hot 4N HNO_3 (RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3 (QD)	frozen	dithizone extraction; SFMS	±1%-5%	±1%-5%	-	20.68	-	4	precision and accuracy vary with concentration
	BIOTA (Algae: Fucus distichus)	Cu	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.09 - 0.11	0.10	0.10	2	PC-14; whole - DWB: Note 8
		Pb	µmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	10 - 14	12	12	2	PC-14; whole - DWB: Note 8
		Zn	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.384 - 0.724	0.554	0.554	2	PC-14; whole - DWB: Note 8
		Cd	µmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	20. - 24.	22.	22.	2	PC-14; whole - DWB: Note 8
		As	µmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.36 - 0.43	0.39	0.39	2	PC-14; whole - DWB: Note 8

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043B (cont'd)		Mo	µmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (OT)	3. - 3.	3.	3.	2	PC-14; whole - DWB; Note 8
		Ni	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.17 - 0.17	0.17	0.17	2	whole - DWB
		Cr	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.040 - 0.071	0.056	0.056	2	PC-14; whole - DWB; Note 8
		Fe	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	8.8 - 24.7	16.8	16.8	2	PC-14; whole - DWB; Note 8
		Mn	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	1.63 - 1.98	1.80	1.80	2	PC-14; whole - DWB; Note 8
		Mg	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.327 - 0.403	0.365	0.365	2	PC-14; whole - DWB; Note 8
		Al	mmol kg^{-1}	1	2	2	NS	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	11.4 - 30.1	20.8	20.8	2	whole - DWB; Note 8
	(Bivalve (soft body tissue only): Mya arenaria)	Cu	mmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.194 - 0.494	0.339	0.343	2	PC-14; whole body - DWB
		Pb	µmol kg^{-1}	1	12	11	NS	purged for 24 h in clean sea water; frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 9.7	7.1	8.5	2	PC-14; whole body - DWB
		Zn	mmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	1.16 - 2.51	1.66	1.64	2	PC-14; whole body - DWB
		Cd	µmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	6. - 14.	9.	8.	2	PC-14; whole body - DWB
		As	mmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.05 - 0.15	0.09	0.08	2	PC-14; whole body - DWB
		Mo	µmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	4. - 11.	7.	7.	2	PC-14; whole body - DWB
		Ni	mmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.066 - 0.664	0.201	0.140	2	whole body - body - DWB
		Cr	µmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	2. - 110.	33.	24.	2	PC-14; whole body - DWB
		Fe	mmol kg^{-1}	1	12	12	NS	purged for 12 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	5.66 - 29.4	14.2	11.8	2	PC-14; whole body - DWB
		Mn	mmol kg^{-1}	1	12	12	NS	purged for 12 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.11 - 0.881	0.484	0.413	2	PC-14; whole body - DWB
		Mg	mol kg^{-1}	1	12	12	NS	purged for 12 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.132 - 0.255	0.185	0.172	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043B (cont'd)		Al	mmol kg^{-1}	1	12	12	NS	purged for 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	4.8 - 38.5	14.0	9.6	2	whole body - DWB
	(Crab: Chionoecetes bairdi, Lithodes aequispina)	Cu	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.85 - 1.44	1.07	0.91	2	PC-14; muscle (leg) - DWB
		Pb	µmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	0.2 - 4.8	3.3	4.8	2	PC-14; muscle (leg) - DWB
		Zn	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	1.77 - 3.29	2.36	2.00	2	PC-14; muscle (leg) - DWB
		Cd	µmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	2 - 7	4	2	2	PC-14; muscle (leg) - DWB
		As	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.75 - 2.19	1.47	1.48	2	PC-14; muscle (leg) - DWB
		Mo	µmol kg^{-1}	2	3	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	-	< 2	-	2	muscle (leg) - DWB; Note 9
		Ni	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.03 - 0.07	0.05	0.03	2	muscle (leg) - DWB
		Cr	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.01 - 0.025	0.01	0.01	2	PC-14; muscle (leg) - DWB
		Fe	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.43 - 1.22	0.70	0.46	2	PC-14; muscle (leg) - DWB
		Mn	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.043 - 0.475	0.231	0.176	2	PC-14; muscle (leg) - DWB
		Mg	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.099 - 0.250	0.170	0.162	2	PC-14; muscle (leg) - DWB
		Al	mmol kg^{-1}	2	3	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.45 - 0.85	0.59	0.48	2	whole body - DWB
	(Shrimp: Pandalus borealis, Pandalopsis dispar)	Cu	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.14 - 0.36	0.29	0.24	2	muscle - DWB; (leg) - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
80-0043B (cont'd)		Pb	µmol kg^{-1}	2	75	42	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 14.	1.2	0.4	2	PC-14; muscle - DWB: d.l. varies with sample weight
		Zn	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.58 - 1.19	0.90	0.90	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	2	75	71	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 5.	2.	2.	2	PC-14; muscle - DWB: d.l. varies with sample weight
		As	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.52 - 2.55	0.98	0.87	2	PC-14; muscle - DWB
		Mo	µmol kg^{-1}	2	75	5	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<2. - 9.	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	2	75	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 0.19	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Cr	µmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) +21.5% (OT)	6. - 25.	10.	10.	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.14 - 16.9	0.86	0.49	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.020 - 0.903	0.104	0.066	2	PC-14; muscle - DWB
		Mg	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	52.7 - 98.7	72.4	73.2	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	2	75	75	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.1 - 13.8	0.8	0.5	2	muscle - DWB
	(Fish: Lepidopsetta bilineata, Microstomus pacificus, Parophrysvetulus)	Cu	mmol kg^{-1}	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.020 - 0.261	0.087	0.065	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	2	8	6	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 1.6	0.68	0.58	2	PC-14; muscle - DWB
		Zn	mmol kg^{-1}	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.236 - 0.711	0.499	0.518	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
80-0043B (cont'd)		Cd	$\mu mol\ kg^{-1}$	2	8	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 0.9	0.5	NC	2	PC-14; muscle - DWB
		As	$mmol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.16 - 1.68	0.63	0.39	2	PC-14; muscle - DWB
		Mo	$\mu mol\ kg^{-1}$	2	8	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	-	< 2	-	2	muscle - DWB; Note 9
		Ni	$mmol\ kg^{-1}$	2	8	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 0.10	0.03	NC	2	muscle - DWB; Note 9
		Cr	$mmol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.3% (OT)	0.008 - 0.019	0.01	0.01	2	PC-14; muscle - DWB
		Fe	$mmol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) -20.4% (OT)	0.193 - 0.702	0.376	0.324	2	PC-14; muscle - DWB
		Mn	$\mu mol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	17.0 - 75.9	42.4	41.5	2	PC-14; muscle - DWB
		Mg	$mmol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	30.5 - 54.3	47.7	49.2	2	PC-14; muscle - DWB
		Al	$mmol\ kg^{-1}$	2	8	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.1 - 0.7	0.3	0.2	2	muscle - DWB
80-0052	SEA WATER	O_2	$mmol\ m^{-3}$	7	44	44	NS	NS	NS	NS	NS	0.18 - 3.10	0.23	0.23	2	
81-0018	SEA WATER	O_2	$mmol\ m^{-3}$	10	125	125	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS (Note 7)	1.85 - 6.29	3.91	3.73	2	
		PO_4	$mmol\ m^{-3}$	10	70	70	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass); frozen	technicon AuA	<± 5.9%	± 5.9% (SS)	1.26 - 2.60	1.97	1.84	4	
		SiO_3	$mmol\ m^{-3}$	10	70	70	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass); frozen	technicon AuA	<± 4.5%	± 4.5% (SS)	26.5 - 65.2	47.9	43.7	4	
		NO_3	$mmol\ m^{-3}$	10	70	70	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass); frozen	technicon AuA	<± 4.6%	± 4.6% (SS)	15.3 - 32.4	24.5	23.4	4	
81-0019A	BIOTA (Shrimp: Argis alaskensis, Crangon communis, Pandalus borealis, Pandalus hypsinotus)	Cu	$mmol\ kg^{-1}$	2	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.60 - 2.28	0.99	0.87	2	PC-14; whole body - DWB
			$mmol\ kg^{-1}$	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.28 - 3.09	0.86	0.69	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0019A (cont'd)		Pb	µmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	5. - 29.	14.	14.	2	PC-14; whole body - DWB
			µmol kg^{-1}	1	20	12	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 19.	5.	5.	2	PC-14; muscle -; DWB; d.l. varies with sample weight
		Zn	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.79 - 1.48	1.01	0.92	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.78 - 1.12	0.94	0.94	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	2. - 10.	5.	4.	2	PC-14; whole body - DWB
			µmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	1. - 7.	3.	3.	2	PC-14; muscle - DWB
		As	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.28 - 0.55	0.41	0.41	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.25 - 1.39	0.65	0.52	2	PC-14; muscle - DWB
		Mo	µmol kg^{-1}	1	15	13	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<2. - 3.	2.	2.	2	PC-14; whole body - DWB; d.l. varies with sample weight
			µmol kg^{-1}	1	20	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9%	<2. - 16.	5.	3.	2	PC-14; muscle - DWB; d.l. varies with sample weight
		Ni	mmol kg^{-1}	1	15	12	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 0.24	0.10	0.05	2	whole body - DWB; d.l. varies with sample weight
			mmol kg^{-1}	1	20	14	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 0.24	0.10	0.03	2	muscle - DWB
		Cr	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.01 - 0.025	0.02	0.02	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.008 - 0.042	0.019	0.017	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	2.2 - 15.7	6.8	5.5	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.3 - 11.0	3.5	3.1	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0019A (cont'd)		Mn	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.064 - 0.284	0.125	0.114	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.006 - 0.163	0.075	0.072	2	PC-14; muscle - DWB
		Mg	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL - 8.5% (OT)	0.117 - 0.188	0.160	0.163	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.070 - 0.155	0.114	0.103	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	1	15	15	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	2.6 - 12.7	7.2	6.6	2	whole body - DWB
			mmol kg^{-1}	1	20	20	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.4 - 10.0	3.6	3.3	2	muscle - DWB
	(Fish: Atheresthes stomias, Glyptocephalus zachirus, Hippoglossoides elassodon, Theragra chalcogromma	Cu	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.03 - 4.69	0.10	0.07	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	1	19	11	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 14.	3.	0.6	2	PC-14; muscle - DWB
		Zn	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.191 - 0.644	0.304	0.278	2	PC-14; muscle - DWB
		Cd	mmol kg^{-1}	1	19	8	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.0004 - 0.11	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
		As	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.10 - 0.93	0.52	0.49	2	PC-14; muscle - DWB
		Mo	µmol kg^{-1}	1	19	3	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (OT)	<2. - 7.	NC	NC	2	PC-14; muscle - DWB; Note 9
		Ni	mmol kg^{-1}	1	19	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 0.20	NC	NC	2	muscle - DWB
		Cr	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.01 - 0.10	0.03	0.02	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.52 - 2.83	1.03	0.86	2	PC-14; muscle - DWB
		Mn	µmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	11. - 43.	19.	17.	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0019A (cont'd)		Mg	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	44.0 - 67.1	56.1	56.0	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	1	19	19	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.52 - 2.49	0.97	0.82	2	muscle - DWB
81-0019B	BIOTA (shrimp: Crangon communis, Pandalopsis dispar Pandalus borealis)	Cu	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.168 - 0.460	0.302	0.294	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.78 - 1.14	0.93	0.95	2	PC-14; tail - DWB
		Pb	µmol kg^{-1}	1	30	3	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 2.8	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	10	4	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 4.8	NC	NC	2	PC-14; tail -; DWB; Note 9
		Zn	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.658 - 0.959	0.647	0.734	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.693 - 0.965	0.804	0.773	2	PC-14; tail - DWB
		Cd	µmol kg^{-1}	1	30	9	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 4.4	NC	NC	2	PC-14; muscle - DWB; Note 9
			µmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	3.8 - 7.3	5.6	5.4	2	PC-14; tail - DWB
		As	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.65 - 1.44	0.86	0.84	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.51 - 0.80	0.59	0.57	2	PC-14; tail - DWB
		Mo	µmol kg^{-1}	1	30	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.7 - <16.8	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	10	6	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.4 - 91.2	36.3	34.6	2	PC-14; tail - DWB; d.l. varies with sample weight;
		Ni	mmol kg^{-1}	1	30	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.065 - <0.073	WC	WC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	10	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.063 - <0.073	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0019B (cont'd)		Cr	mmol kg^{-1}	1	30	12	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.013 - 0.080	0.018	0.014	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	10	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.014 - 0.019	0.015	0.014	2	PC-14; tail - d.l. varies with sample weight; Note 9
		Fe	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.15 - 1.09	0.36	0.28	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	4.03 - 7.61	4.94	4.55	2	PC-14; tail - DWB
		Mn	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.004 - 0.030	0.015	0.015	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.31 - 1.01	0.50	0.42	2	PC-14; tail - DWB
		Mg	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.0621 - 0.0868	0.0709	0.0679	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.158 - 0.193	0.178	0.179	2	PC-14; tail - DWB
		Al	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.2 - 1.1	0.4	0.3	2	muscle - DWB
			mmol kg^{-1}	1	10	10	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	3.85 - 8.30	5.52	5.43	2	tail - DWB
	(Fish: Atheresthes stomias)	Cu	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.08 - 0.11	0.09	0.09	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	-	< 0.2	-	2	muscle - DWB; Note 9
		Zn	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.275 - 0.314	0.295	0.295	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES of GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	-	< 0.4	-	2	muscle - DWB; Note 9
		As	mmol kg^{-1}	1	2	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	<0.09 - 0.21	NC	NC	2	PC-14; muscle; Note 9
		Mo	µmol kg^{-1}	1	2	0	other trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.4 - <15.2	WC	WC	2	muscle - DWB; d.l. varies with sample weight; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0019B (cont'd)		Ni	mmol kg^{-1}	1	2	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.06 - 0.14	NC	NC	2	muscle - DWB; Note 9
		Cr	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.021 - 0.116	0.069	0.069	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.98 - 1.45	1.21	1.21	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.014 - 0.036	0.025	0.025	2	PC-14; muscle - DWB
		Mg	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.0666 - 0.0687	0.0677	0.0677	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.70 - 0.82	0.76	0.76	2	muscle - DWB
81-0020	BIOTA (Bivalves (soft body tissue only): Yoldia thraciaeformis/ montereyensis)	Cu	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.62 - 1.00	0.86	0.85	2	PC-14; whole body - DWB
		Pb	µmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	24.4 - 56.0	42.6	45.8	2	PC-14; whole body - DWB
		Zn	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	< .9 - 13.4	9.4	8.7	2	PC-14; whole body - DWB
		Cd	µmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	12.4 - 20.1	15.7	15.3	2	PC-14; whole body - DWB
		As	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	1.2 - 1.8	1.4	14.0	2	PC-14; whole body - DWB
		Mo	µmol kg^{-1}	1	9	7	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	18.0 - <31.2	24.0	23.6	2	PC-14; whole body - DWB; d.l. varies with sample weight
		Ni	mmol kg^{-1}	1	9	8	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.08 - 0.14	0.11	0.12	2	whole body - DWB
		Cr	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.0396 - 0.0503	0.0463	0.0467	2	PC-14; whole body - DWB
		Fe	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	26.9 - 42.2	36.3	35.4	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0020 (cont'd)		Mn	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.206 - 0.395	0.305	0.335	2	PC-14; whole body - DWB
		Mg	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.156 - 0.237	0.193	0.180	2	PC-14; whole body - DWB
		Al	mmol kg^{-1}	1	9	9	otter trawl	purged 24 h in clean sea water; frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	26.7 - 50.8	39.6	37.8	2	whole body - DWB
	(Shrimp: Crangon communis, Pandalopsis dispar, Pandalus borealis)	Cu	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.98 - 2.27	1.42	1.36	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.231 - 0.460	0.337	0.337	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.68 - 1.41	0.99	0.95	2	PC-14; tail - DWB
		Pb	µmol kg^{-1}	1	30	12	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 5.3	0.7	NC	2	PC-14; whole body - DWB; Note 9
			µmol kg^{-1}	1	30	2	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - <2.4	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	4	1	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 1.2	0.5	NC	2	PC-14; tail - DWB; Note 9
		Zn	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.69 - 1.22	0.92	0.92	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.077 - 0.871	0.747	0.757	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.93 - 1.26	1.07	1.05	2	PC-14; tail - DWB
		Cd	µmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	10.6 - 32.2	18.0	16.2	2	PC-14; whole body - DWB
			µmol kg^{-1}	1	30	13	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - <4.5	NC	NC	2	PC-14; muscle DWB; d.l. varies with sample weight
			µmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	29.5 - 48.3	35.8	32.8	2	PC-14; tail - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0020 (cont'd)		As	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.25 - 0.47	0.37	0.36	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.37 - 0.68	0.54	0.56	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.36 - 0.48	0.44	0.45	2	PC-14; tail - DWB
		Mo	µmol kg^{-1}	1	30	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.7 - <15.6	NC	NC	2	whole body - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	30	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.0 - <15.6	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	4	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	<14.5 - <15.4	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	1	30	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.06 - 0.16	NC	NC	2	whole body - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	30	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.061 - 0.451	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	4	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.066 - <0.206	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	1	30	18	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	<0.014 - 0.061	0.019	0.015	2	PC-14; whole body - DWB; d.l. varies with sample weight
			mmol kg^{-1}	1	29	8	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	<0.013 - 0.217	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.014 - 0.018	0.015	0.015	2	PC-14; tail - DWB
		Fe	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	1.07 - 4.76	2.15	1.84	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.12 - 3.63	0.428	0.257	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	1.45 - 3.54	2.79	3.08	2	PC-14; tail - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0020 (cont'd)		Mn	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.046 - 0.118	0.070	0.067	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.005 - 0.104	0.014	0.010	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.152 - 0.204	0.169	0.160	2	PC-14; tail - DWB
		Mg	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.085 - 0.189	0.134	0.104	2	PC-14; whole body - DWB
			mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.0592 - 0.0864	0.0736	0.0741	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.146 - 0.160	0.153	0.154	2	PC-14; tail - DWB
		Al	mmol kg^{-1}	1	30	30	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	1.5 - 10.2	3.8	3.0	2	whole body - DWB
			mmol kg^{-1}	1	30	27	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.2 - 0.7	0.3	0.3	2	muscle - DWB
			mmol kg^{-1}	1	4	4	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	1.7 - 4.2	3.1	3.3	2	tail - DWB
	(Fish: Atheresthes stomias, Eopsetta jordani)	Cu	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 1.0% (BL) + 3.8% (OT)	0.094 - 0.098	0.096	0.096	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 20.9% (BL) - 6.7% (OT)	-	< 0.2	-	2	muscle - DWB; Note 9
		Zn	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 5.1% (BL) + 0.6% (OT)	0.265 - 0.318	0.291	0.291	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES or GFAAS; Swingle and Davidson (1979)	NS	+ 12.9% (BL) + 2.8% (OT)	-	< 0.4	-	2	muscle - DWB; Note 9
		As	mmol kg^{-1}	1	2	1	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 10.7% (OT)	0.09 - 0.15	NC	NC	2	PC-14; muscle - DWB; Note 9
		Mo	µmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 10.9% (BL)	15.3 - 15.4	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	1	2	0	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	-	< 0.066	-	2	muscle - DWB; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0020 (cont'd)		Cr	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 8.3% (BL) + 21.5% (OT)	0.015 - 0.028	0.022	0.022	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.9% (BL) - 20.4% (OT)	0.567 - 0.693	0.630	0.630	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	- 7.4% (BL) - 7.4% (OT)	0.0073 - 0.0093	0.0083	0.0083	2	PC-14; muscle - DWB
		Mg	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	+ 0.5% (BL) - 8.5% (OT)	0.066 - 0.067	0.067	0.067	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	1	2	2	otter trawl	frozen	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.59 - 0.78	0.69	0.69	2	muscle - DWB
81-0021A	SEA WATER	O_2	mol m^{-3}	3	20	20	PVC Van Dorn bottles	$MnSO_4$/KI or NaI addition; BOD bottles	spectrophotometry; Duval et al., (1974)	NS (Note 7)	NS	0.266 - 0.388	0.335	0.337	2	PC-2
81-0021B	SEA WATER	O_2	mol m^{-3}	4	19	19	PVC Van Dorn bottles	$MnSO_4$/KI or NaI addition; BOD bottles	spectrophotometry; Duval et al., (1974)	NS	NS	0.192 - 0.344	0.265	0.263	2	
81-0021C	SEA WATER	O_2	mol m^{-3}	4	20	20	PVC Van Dorn bottles	$MnSO_4$/KI or NaI addition; BOD bottles	spectrophotometry; Duval et al., (1974)	NS	NS	0.265 - 0.337	0.296	0.294	2	
81-0021D	SEA WATER	O_2	mol m^{-3}	2	9	9	PVC Van Dorn bottles	$MnSO_4$/KI or NaI addition; BOD bottles	WT	NS	NS	0.287 - 0.310	0.307	0.308	2	
81-0022	SEA WATER	O_2	mol m^{-3}	9	51	51	N.I.O. bottles	NS	azide modification of WT	NS	NS	0.147 - 0.336	0.274	0.298	2	
		PO_4	mmol m^{-3}	8	31	31	N.I.O. bottles	frozen	AuA; Swingle and Davidson (1979)	NS	NS	0.20 - 0.90	0.405	0.375	2	
		NO_3	mmol m^{-3}	8	31	0	N.I.O. bottles	frozen	AuA; Swingle and Davidson (1979)	NS	NS	-	< 0.2	-	2	Note 9
		NO_2	mmol m^{-3}	8	31	0	N.I.O. bottles	frozen	AuA; Swingle and Davidson (1979)	NS	NS	-	< 0.1	-	2	Note 9
		NH_3	mmol m^{-3}	8	31	12	N.I.O. bottles	frozen	AuA; Swingle and Davidson (1979)	NS	NS	<0.3 - 0.6	0.3	NC	2	Note 9
		chl.a	mg m^{-3}	9	35	33	N.I.O. bottles	filtered (0.45 μm) preserved with $MgCO_3$; frozen	acetone extraction; spectrophotometry; Strickland and Parson (1979)	NS	NS	< d.l - 1.87	NC	0.80	2	d.l. not given
		phaeo.	mg m^{-3}	9	35	35	N.I.O. bottles	filtered (0.45 μm) preserved with $MgCO_3$; frozen	acetone extraction; spectrophotometry; Strickland and Parson (1979)	NS	NS	0.13 - 19.81	1.64	0.91	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0022 (cont'd)	BOTTOM SEDIMENT (surface and cores)	Cu	mmol kg^{-1}	9	15	15	Smith-McIntyre grab-sampler (grabs); NS (for cores)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.15 - 0.54	0.39	0.42	2	
		Fe	mmol kg^{-1}	9	15	15	Smith-McIntyre grab-sampler (grabs); NS (for cores)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.290 - 0.662	0.542	0.583	2	
		Mn	mmol kg^{-1}	9	15	15	Smith-McIntyre grab-sampler (grabs); NS (for 1 core)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	4.1 - 11.7	7.6	7.6	2	
		Ni	mmol kg^{-1}	9	15	14	Smith-McIntyre grab-sampler (grabs); NS (for 1 core)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	<0.11 - 0.64	0.35	0.35	2	
		Pb	µmol kg^{-1}	9	15	13	Smith-McIntyre grab-sampler (grabs); NS (for 1 core)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	<32.8 - 52.6	40.4	40.2	2	d.l. varies with sample weight
		Zn	mmol kg^{-1}	9	15	15	Smith-McIntyre grab-sampler (grabs); NS (for 1 core)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	0.58 - 1.56	1.23	1.30	2	
		Hg	µmol kg^{-1}	9	15	0	Smith-McIntyre grab-sampler (grabs); NS (for 1 core)	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	-	< 3	-	2	Note 9
	(cores)	Cd	µmol kg^{-1}	2	6	0	NS	frozen in Whirlpak bags	Swingle and Davidson (1979)	NS	NS	<5.7 - <5.8	NC	NC	2	d.l. varies with sample weight; Note 9
	(surface)	Organic Content	%	9	9	9	Smith-McIntyre grab-sampler	frozen in Whirlpak bags	volatile residue; Swingle and Davidson (1979)	NS	NS	1.2 - 9.7	6.0	6.5	2	
81-0023	SEA WATER	SPM	g m^{-3}	27	123	123	NS	NS	gravimetry	NS	NS	0.05 - 3.99	0.91	0.69	2	
		chl. a	mg m^{-3}	59	2985	2985	NS	NS	NS	NS	NS	0.04 - 9.33	0.52	0.36	2	
81-0024A	BIOTA (Bivalves (soft body tissue only): Mytilus edulis, Yoldia scissurata, Yoldia thraciaeformis montereyensis)	Cu	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.12 - 13.99	2.60	0.25	2	PC-14; whole body - DWB
		Pb	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	0.005 - 21.62	0.23	0.01	2	PC-14; whole body - DWB
		Zn	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	1.1 - 21.6	5.1	2.1	2	PC-14; whole body - DWB
		Cd	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	0.014 - 0.233	0.076	0.045	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0024A (cont'd)		As	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.1 - 1.0	0.3	0.2	2	PC-14; whole body - DWB
		Mo	mmol kg^{-1}	6	57	53	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<0.002 - 0.616	0.121	0.005	2	PC-14; whole body - DWB; d.l. varies with sample weight
		Ni	mmol kg^{-1}	6	57	51	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.003 - 0.34	0.09	0.03	2	whole body - DWB; d.l. varies with sample weight
		Cr	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% BL) + 21.5% (OT)	0.02 - 1.26	0.09	0.04	2	PC-14; whole body - DWB
		Fe	mol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.004 - 0.234	0.060	0.010	2	PC-14; whole body - DWB
		Mn	mol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.16 - 10.48	2.66	0.40	2	PC-14; whole body - DWB
		Mg	mmol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.078 - 0.193	0.129	0.125	2	PC-14; whole body - DWB
		Al	mol kg^{-1}	6	57	57	NS (for M. edulis); otter trawl (all others)	purged 24 h in clean sea water; frozen in shell	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.002 - 0.134	0.036	0.011	2	whole body - DWB
	(Crab: Chionoecetes bairdi, Hyas lyratus, Paralithodes camtschatica)	Cu	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES;	NS	+ 1.0% (BL) + 3.8% (OT)	0.24 - 1.43	0.75	0.67	2	PC-14; muscle (leg) - DWB
		Pb	µmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	0.6 - 14.	8.	10.	2	PC-14; muscle (leg) - DWB
		Zn	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	1.5 - 6.3	3.2	2.3	2	PC-14; muscle (leg) - DWB
		Cd	µmol kg^{-1}	4	12	10	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized; (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 13.	4.	3.	2	PC-14; muscle (leg) - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0024A (cont'd)		As	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.25 - 2.39	0.92	0.91	2	PC-14; muscle (leg) - DWB
		Mo	µmol kg^{-1}	4	12	4	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - 6.	3.	NC	2	PC-14; muscle (leg) - DWB; Note 9
		Ni	mmol kg^{-1}	4	12	3	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.03	NC	NC	2	muscle (leg) - DWB; Note 9
		Cr	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.01 - 0.03	0.02	0.01	2	PC-14; muscle (leg) - DWB
		Fe	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.38 - 2.94	0.93	0.59	2	PC-14; muscle (leg) - DWB
		Mn	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.01 - 1.95	0.38	0.055	2	PC-14; muscle (leg) - DWB
		Mg	mol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.069 - 0.218	0.151	0.156	2	PC-14; muscle (leg) - DWB
		Al	mmol kg^{-1}	4	12	12	NS (for H. lyratus); otter trawl (all others)	leg and claw; frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.3 - 1.6	0.67	0.52	2	muscle (leg) - DWB
	(Shrimp: Crangon communis, Pandalopsis dispar, Pandalus borealis, Pandalus hypsinotus)	Cu	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.85 - 2.19	1.53	1.57	2	PC-14; whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.239 - 0.979	0.535	0.521	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	0.7 - 63.8	14.6	9.7	2	PC-14; whole body - DWB
			µmol kg^{-1}	4	103	63	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 14.5	2.6	0.6	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0024A (cont'd)		Zn	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.73 - 1.67	1.08	1.05	2	PC-14; whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.55 - 1.43	0.93	0.91	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	6. - 97.	19.	13.	2	PC-14; whole body - DWB
			µmol kg^{-1}	4	103	100	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 12.	3.	3.	2	PC-14; muscle - DWB
		As	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.28 - 1.91	0.76	0.73	2	PC-14; whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.40 - 1.88	0.93	0.83	2	PC-14; muscle - DWB
		Mo	µmol kg^{-1}	3	72	59	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - 50.	9.	5.	2	PC-14; whole body - DWB; d.l. varies with sample weight
			µmol kg^{-1}	4	103	25	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - 8.	NC	NC	2	PC-14; muscle - DWB; d.l varies with sample weight; Note 9
		Ni	mmol kg^{-1}	3	72	62	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.10	0.03	0.02	2	whole body - DWB; d.l. varies with sample weight
			mmol kg^{-1}	4	103	11	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.02	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.012 - 0.062	0.026	0.025	2	PC-14; whole body - DWB
			mmol kg^{-1}	3	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.008 - 0.038	0.013	0.013	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0024A (cont'd)		Fe	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	2.4 - 64.6	10.6	7.4	2	PC-14; whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.25 - 5.49	1.03	0.76	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.17 - 3.31	0.81	0.62	2	PC-14; whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% - (OT)	0.02 - 1.53	0.13	0.063	2	PC-14; muscle - DWB
		Mg	mol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.109 - 0.222	0.171	0.151	2	PC-14; whole body - DWB
			mol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.048 - 0.126	0.079	0.077	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	3	72	72	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	3.1 - 54.8	10.1	7.4	2	whole body - DWB
			mmol kg^{-1}	4	103	103	otter trawl	frozen	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.3 - 5.4	1.0	0.7	2	muscle - DWB
	(Fish: Eopsetta jordani, Hippoglossoides elassodon, Lyopsetta exilis Parophrys vetulus, Theragra chalcogramma)	Cu	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.02 - 0.15	0.07	0.06	2	PC-14; muscle - DWB
		Pb	µmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	0.3 - 19.3	5.6	3.2	2	PC-14; muscle - DWB
		Zn	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.265 - 0.517	0.343	0.327	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	2	16	1	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 0.9	NC	NC	2	muscle - DWB; Note 9
		As	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.12 - 1.90	0.76	0.48	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0024A (cont'd)		Mo	μmol kg^{-1}	2	16	0	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - <3.	NC	NC	2	muscle - DWB; d.l. varies with sample weights; Note 9
		Ni	mmol kg^{-1}	2	16	2	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.09	0.02	NC	2	muscle - DWB; Note 9
		Cr	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.012 - 0.077	0.031	0.023	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.17 - 5.39	0.92	0.67	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.0029 - 0.0561	0.0251	0.0241	2	PC-14; muscle - DWB
		Mg	mol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.044 - 0.104	0.057	0.055	2	PC-14; muscle - DWB
		Al	mmol kg^{-1}	2	16	16	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.15 - 0.67	0.38	0.37	2	muscle - DWB
81-0024B	SEA WATER (total)	Pb	nmol kg^{-1}	9	9	9	CPE bottles cleaned by: 4d hot 4N HNO_3(RG) rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	0.12 - 1.48	0.48	0.37	2	NPG (for trace metals in sea water only)
		Zn	nmol kg^{-1}	9	9	9	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	8. - 26.	16.	15.	2	
		Cd	nmol kg^{-1}	9	9	9	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; aqua regia digestion; IDMS	NS	NS	0.06 - 0.71	0.51	0.60	2	
	(dissolved)	Pb	nmol kg^{-1}	9	9	9	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.012 - 0.137	0.052	0.028	4	precision and accuracy vary with concentration
		Zn	nmol kg^{-1}	9	9	9	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	2.0 - 12.1	6.0	4.0	4	precision and accuracy vary with concentration
		Cd	nmol kg^{-1}	8	8	8	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.02 - 0.68	0.45	0.57	4	precision and accuracy vary with concentration

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
81-0024B (cont'd)	(dissolved)	$^{206}Pb/^{208}Pb$	nmol kg^{-1}	8	8	8	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	dithizone extraction; SFMS	NS	NS	0.4899 - 0.5167	0.5037	0.5059	2	
		$^{206}Pb/^{207}Pb$	nmol kg^{-1}	8	8	8	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	dithizone extraction; SFMS	NS	NS	1.213 - 1.279	1.248	1.256	2	
		$^{206}Pb/^{204}Pb$	nmol kg^{-1}	6	6	6	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	dithizone extraction; SFMS	NS	NS	19.37 - 20.85	20.44	20.66	2	
		O_2	mol m^{-3}	9	70	70	CPE bottles cleaned by: 4d hot 4N HNO_3(RG); rinse milliQ; 2 times 4d hot 0.1% HNO_3(QD)	frozen	dithizone extraction; SFMS	NS	NS (Note 7)	0.114 - 0.229	0.163	0.151	2	
	BOTTOM SEDIMENT (cores and grabs)	Cu	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	- 5.7% (BCSS) + 3.8% (MESS) + 9.2% (RS)	0.2 - 15.0	2.3	1.2	2	PC-14; DWB
		Pb	mmol kg^{-1}	14	99	87	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	GFAAS; Swingle and Davidson (1979)	NS	- 11.3% (BCSS) + 12.1% (MESS) - 12.3% (RS)	0.03 - 2.10	0.30	0.094	2	PC-14; DWB; d.l. varies with sample weight
		Zn	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	- 14.3% (BCSS) - 9.8% (MESS) - 3.0% (RS)	0.34 - 52.94	7.01	2.54	2	PC-14; DWB
		Cd	mmol kg^{-1}	14	99	39	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	GFAAS; Swingle and Davidson (1979)	NS	+ 50% (BCSS) + 18.1% (MESS) - 27.5% (RS)	<0.001 - 0.174	NC	NC	2	PC-14; DWB; d.l. varies with sample weight; Note 9
		As	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	aqua regia acid leach; automated hydride generation; ICAP - OES	NS	NS	0.08 - 1.04	0.30	0.28	2	DWB
		Mo	mmol kg^{-1}	14	99	42	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.02 - 3.03	NC	NC	2	DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	14	99	98	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	<0.12 - 1.15	0.48	0.51	2	DWB
		Cr	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.18 - 8.09	0.98	0.92	2	DWB
		Fe	mol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.49 - 2.90	0.92	0.77	2	DWB
		Mn	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	1.1 - 48.4	24.1	17.3	2	DWB
		Mg	mol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.21 - 1.39	0.68	0.66	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES x d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0024B (cont'd)		V	mmol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.47 - 2.73	2.01	2.06	2	DWB
		Al	mol kg^{-1}	14	99	99	Benthos corer; Smith-McIntyre grab	frozen on board in Whirlpak bags	ICAP - OES; Swingle and Davidson (1979)	NS	NS	0.12 - 1.49	1.01	1.02	2	DWB
	BIOTA (Bivalves (soft body weight only): Macoma sp., Voldia thraciaeformis/ montereyensis)	Cu	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.52 - 18.73	5.62	5.04	2	PC-14; whole body - DWB
		Pb	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	0.009 - 4.04	1.10	0.95	2	PC-14; whole body - DWB
		Zn	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	5.1 - 35.0	15.9	14.4	2	PC-14; whole body - DWB
		Cd	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	0.038 - 0.458	0.183	0.167	2	PC-14; whole body - DWB
		As	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.12 - 1.44	0.69	0.80	2	PC-14; whole body - DWB
		Mo	mmol kg^{-1}	1	67	61	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<0.007 - 0.929	0.334	0.281	2	PC-14; whole body - DWB; d.l. varies with sample weight
		Ni	mmol kg^{-1}	1	67	66	otter trawl	pruged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.05 - 0.53	0.23	0.20	2	whole body - DWB; d.l. varies with sample weight
		Cr	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.04 - 0.37	0.18	0.17	2	PC-14; whole body - DWB
		Fe	mol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.028 - 1.162	0.181	0.149	2	PC-14; whole body - DWB
		Mn	mmol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.87 - 15.31	5.10	3.86	2	PC-14; whole body - DWB
		Mg	mol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.174 - 0.390	0.280	0.274	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0024B (cont'd)		Al	mol kg^{-1}	1	67	67	otter trawl	purged 24 h in clean sea water; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.013 - 0.160	0.061	0.047	2	whole body - DWB
	(Crabs: Chionocetes bairdi, Lithodes aequispina)	Cu	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.54 - 1.62	0.96	0.84	2	PC-14; muscle (leg) - DWB
		Pb	µmol kg^{-1}	4	13	8	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 19.	5.	5.	2	PC-14; muscle (leg) - DWB
		Zn	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	1.71 - 3.27	2.20	2.05	2	PC-14; muscle (leg) - DWB
		Cd	µmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	2. - 12.	4.	4.	2	PC-14; muscle (leg) - DWB
		As	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	1.2 - 2.8	1.8	1.9	2	PC-14; muscle (leg) - DWB
		Mo	µmol kg^{-1}	4	13	7	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - 17.	4.	3.	2	PC-14; muscle (leg) - DWB
		Ni	mmol kg^{-1}	4	13	6	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.05	NC	NC	2	muscle (leg) - DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.01 - 0.03	0.02	0.02	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.28 - 6.91	1.51	0.76	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.05 - 1.33	0.42	0.30	2	PC-14; muscle (leg) - DWB
		Mg	mol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.108 - 0.201	0.142	0.135	2	PC-14; muscle (leg) - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES xd.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0024B (cont'd)		Al	mmol kg^{-1}	4	13	13	otter trawl	claw and leg; frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.2 - 5.4	1.5	0.7	2	muscle - DWB
	(Sea Cucumber: Molpadia sp.)	Cu	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	-	0.238	-	2	PC-14; muscle bands - DWB
		Pb	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	-	0.072	-	2	PC-14; muscle bands - DWB
		Zn	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	-	2.00	-	2	PC-14; muscle bands - DWB
		Cd	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	-	0.023	-	2	PC-14; muscle bands - DWB
		As	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	-	0.17	-	2	PC-14; muscle bands - DWB
		Mo	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	-	0.135	-	2	PC-14; muscle bands - DWB
		Ni	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	-	0.1	-	2	PC-14; muscle bands - DWB
		Cr	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	-	0.087	-	2	PC-14; muscle bands - DWB
		Fe	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	-	46.1	-	2	PC-14; muscle bands - DWB
		Mn	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	-	2.93	-	2	PC-14; muscle bands - DWB
		Mg	mol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	-	0.314	-	2	PC-14; muscle bands - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0024B (cont'd)		Al	mmol kg^{-1}	1	1	1	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	-	19.0	-	2	muscle bands - DWB
	(Shrimp: Crangon communis, Pandalopsis dispar, Pandalus borealis)	Cu	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.15 - 0.87	0.31	0.31	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	1.00 - 1.52	1.27	1.26	2	PC-14; tail - DWB
		Pb	µmol kg^{-1}	5	143	68	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	<0.2 - 19.	1.	NC	2	PC-14; muscle - DWB; Note 9
			µmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	4. - 29.	10.	10.	2	PC-14; tail - DWB
		Zn	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.60 - 1.65	0.85	0.83	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	1.00 - 1.51	1.23	1.25	2	PC-14; tail - DWB
		Cd	µmol kg^{-1}	5	143	94	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 3.6	1.0	0.9	2	PC-14; muscle - DWB; d.l. varies with sample weight
			µmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	2.5 - 2.1	4.2	3.6	2	PC-14; tail - DWB
		As	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.01 - 2.36	0.94	0.84	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.87 - 1.79	1.36	1.31	2	PC-14; tail - DWB
		Mo	µmol kg^{-1}	5	143	22	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<0.2 - 5.2	NC	NC	2	PC-14; muscle - DWB; d.l. varies with sample weight; Note 9
			µmol kg^{-1}	1	15	2	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 10.9% (BL)	<2. - 3.	2.	NC	2	PC-14; tail - DWB; Note 9

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES xd.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0024B (cont'd)		Ni	mmol kg^{-1}	5	143	48	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.002 - 0.11	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
			mmol kg^{-1}	1	15	6	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.03	NC	NC	2	tail - DWB; d.l. varies with sample weight; Note 9
		Cr	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.006 - 0.042	0.01	0.01	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.015 - 0.025	0.021	0.021	2	PC-14; tail - DWB
		Fe	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.16 - 9.95	1.12	0.74	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	2.94 - 6.37	4.49	4.44	2	PC-14; tail - DWB
		Mn	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.025 - 0.801	0.153	0.113	2	PC-14; muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.58 - 2.26	1.04	1.07	2	PC-14; tail - DWB
		Mg	mol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.048 - 0.105	0.077	0.077	2	PC-14; muscle - DWB
			mol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.149 - 0.197	0.162	0.157	2	PC-14; tail - DWB
		Al	mmol kg^{-1}	5	143	143	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.1 - 10.5	1.0	0.7	2	muscle - DWB
			mmol kg^{-1}	1	15	15	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	2.7 - 5.8	4.0	4.0	2	tail - DWB
	(Snails (soft body tissue only): Colus halli)	Cu	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.29 - 13.13	1.52	0.83	2	PC-14; whole body - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
81-0024B (cont'd)		Pb	mmol kg^{-1}	3	34	26	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 20.9% (BL) - 6.7% (OT)	<0.0002 - 0.12	0.02	0.01	2	PC-14; whole body - DWB; d.l. varies with sample weight
		Zn	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	1.03 - 38.71	3.30	1.14	2	PC-14; whole body - DWB
		Cd	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	0.008 - 0.433	0.054	0.020	2	PC-14; whole body - DWB
		As	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	1.1 - 4.5	2.4	2.3	2	PC-14; whole body - DWB
		Mo	mmol kg^{-1}	3	35	33	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 ICAP - OES	NS	+ 10.9% (BL)	<0.003 - 0.052	0.013	0.011	2	PC-14; whole body - DWB; d.l. varies with sample weight
		Ni	mmol kg^{-1}	3	35	22	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	<0.02 - 0.07	0.03	0.02	2	whole body - DWB; d.l. varies with sample weight
		Cr	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.012 - 0.067	0.025	0.023	2	PC-14; whole body - DWB
		Fe	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	1.9 - 50.7	10.2	7.3	2	PC-14; whole body - DWB
		Mn	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.56 - 12.52	2.43	1.51	2	PC-14; whole body - DWB
		Mg	mol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.190 - 0.539	0.364	0.376	2	PC-14; whole body - DWB
		Al	mmol kg^{-1}	3	35	35	otter trawl	frozen in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	NS	0.4 - 22.6	4.0	2.4	2	whole body - DWB
	(Fish: Eopsetta jordani, Parophrys vetulus, Raja stellulara, Theragra chalcogramma)	Cu	mmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 1.0% (BL) + 3.8% (OT)	0.054 - 0.225	0.100	0.094	2	PC-14; muscle - DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
81-0024B (cont'd)		Pb	µmol kg^{-1}	3	8	6	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP -OES	NS	+ 20.9% (BL) - 5.7% (OT)	<0.2 - 4.8	1.1	0.7	2	PC-14; muscle - DWB
		Zn	µmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 5.1% (BL) + 0.6% (OT)	0.306 - 0.439	0.387	0.393	2	PC-14; muscle - DWB
		Cd	µmol kg^{-1}	3	8	7	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; GFAAS or ICAP - OES	NS	+ 12.9% (BL) + 2.8% (OT)	<0.4 - 3.6	1.2	0.9	2	PC-14; muscle - DWB: d.l. varies with sample weight
		As	mmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 10.7% (OT)	0.33 - 2.48	1.15	0.81	2	PC-14; muscle - DWB
		Mo	µmol kg^{-1}	3	8	0	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP -OES	NS	+ 10.9% (BL)	<2 - <3	NC	NC	2	muscle - DWB; d.l. varies with sample weight; Note 9
		Ni	mmol kg^{-1}	3	8	3	otter trawl	frozen as fillets in Whirlpak bags	thawed;blended; freeze-dried; oxidized (low heat); HNO_3 addition ICAP - OES	NS	NS	<0.02 - 0.07	0.03	NC	2	muscle - DWB; Note 9
		Cr	mmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 8.3% (BL) + 21.5% (OT)	0.013 - 0.029	0.020	0.019	2	PC-14; muscle - DWB
		Fe	mmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	- 5.9% (BL) - 20.4% (OT)	0.61 - 1.17	0.79	0.73	2	PC-14; muscle - DWB
		Mn	mmol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); oxidized addition; ICAP - OES	NS	- 7.4% (BL) - 7.4% (OT)	0.0202 - 0.0561	0.0374	0.0329	2	PC-14; muscle - DWB
		Mg	mol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition; ICAP - OES	NS	+ 0.5% (BL) - 8.5% (OT)	0.0469 - 0.0605	0.0552	0.0557	2	PC-14; whole - DWB
		Al	mol kg^{-1}	3	8	8	otter trawl	frozen as fillets in Whirlpak bags	thawed; blended; freeze-dried; oxidized (low heat); HNO_3 addition ICAP - OES	NS	NS	0.48 - 1.22	0.69	0.59	2	muscle - DWB
81-0050	SEA WATER	O_2	mol m^{-3}	9	39	39	NS	NS	NS	NS	NS	0.213 - 0.258	0.237	0.236	2	
82-0025A	SEA WATER (total)	Pb	nmol kg^{-1}	12	69	69	VIPS	4°C; 4 months	isotope spike; aqua regia digestion; IDMS	NS	NS	0.03 - 3.57	0.56	0.27	2	NPG

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES x.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
82-0025A (cont'd)		Zn	nmol kg^{-1}	12	68	68	VIPS	4°C; 4 months	isotope spike; aqua regia digestion; IDMS	NS	NS	4.6 - 145	24.4	12.0	2	
		Cd	nmol kg^{-1}	12	70	70	VIPS	4°C; 4 months	isotope spike; aqua regia digestion; IDMS	NS	NS	0.31 - 1.21	0.69	0.73	2	
	(dissolved)	Pb	nmol kg^{-1}	12	92	92	VIPS	4°C; 4 months	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.003 - 2.08	0.083	0.025	4	precision and accuracy vary with concentration
		Zn	nmol kg^{-1}	12	90	90	VIPS	4°C; 4 months	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.52 - 88.7	9.04	5.88	4	precision and accuracy vary with concentration
		Cd	nmol kg^{-1}	12	92	92	VIPS	4°C; 4 months	isotope spike; dithizone extraction; IDMS	±1%-5%	±1%-5%	0.01 - 1.10	0.62	0.71	4	precision and accuracy vary with concentration
		$^{206}Pb/^{207}Pb$	-	10	60	60	VIPS	4°C; 4 months	dithizone extraction; SFMS	NS	NS	1.1858 - 1.2970	1.2373	1.2292	2	
		$^{206}Pb/^{208}Pb$	-	10	60	60	VIPS	4°C; 4 months	dithizone extraction; SFMS	NS	NS	0.4841 - 0.5196	0.4994	0.4967	2	
		$^{206}PB/^{204}PB$	-	9	36	36	VIPS	4°C; 4 months	dithizone extraction; SMFS	NS	NS	18.86 - 20.75	19.68	19.59	2	
82-0025B	SEA WATER (dissolved)	Pb	nmol kg^{-1}	12	115	115	VIPS	4°C; 4 months	dithizone extraction; SFMS	±1%-5%	±1%-5%	0.00002 - 0.5511	0.0449	0.0073	4	NPG
		Zn	nmol kg^{-1}	12	116	116	VIPS	4°C; 4 months	dithizone extraction; SFMS	±1%-5%	±1%-5%	1.90 - 17.0	7.36	7.44	4	
		Cd	nmol kg^{-1}	12	116	116	VIPS	4°C; 4 months	dithizone extraction; SFMS	±1%-5%	±1%-5%	0.054 - 1.60	0.077	0.74	4	
82-0034	SEA WATER	O_2	mol m^{-3}	12	78	78	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS	0.094 - 0.295	0.203	0.227	2	
		PO_4	mmol m^{-3}	9	68	68	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass)	technicon AuA	<± 9.1%	± 9.1% (SS)	1.49 - 2.57	2.02	1.94	4	
		SiO_3	mmol m^{-3}	9	68	68	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass)	technicon AuA	<± 1.9%	± 1.9% (SS)	29.7 - 61.1	48.6	47.0	4	
		NO_3	mmol m^{-3}	9	68	68	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass)	technicon AuA	<± 0.8%	± 0.8% (SS)	16.4 - 30.2	24.3	23.6	4	
82-0036	SEA WATER	O_2	mol m^{-3}	9	69	69	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS	0.130 - 0.311	0.188	0.167	2	
		PO_4	mmol m^{-3}	9	78	78	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass)	technicon AuA	<± 9.5%	± 9.5% (SS)	1.25 - 2.73	2.11	2.24	4	
		SiO_3	mmol m^{-3}	9	77	77	Niskin bottles	screw-cap test tubes (2 plastic, 2 glass)	technicon AuA	<± 7.5%	+ 7.5% (SS)	11.6 - 61.9	47.0	50.9	4	
		NO_3	mmol m^{-3}	9	78	78	Niskin bottles	screw-cap test tubes (2 plastic,	technicon AuA	<± 1.5%	± 1.5% (SS)	7.5 - 31.0	25.2	27.1	4	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY		INFORMATION			MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
82-0037	SEA WATER	O_2	mol m^{-3}	9	133	133	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS	0.067 - 0.244	0.160	0.153	2	
82-0038	SEA WATER	O_2	mol m^{-3}	9	109	109	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS	0.109 - 0.279	0.183	0.184	2	
82-0038	SEA WATER	O_2	mol m^{-3}	9	67	67	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS (Note 7)	NS	0.141 - 0.325	0.231	0.243	2	
		PO_4	mmol m^{-3}	11	104	104	acid-cleaned GO-FLO bottles	screw-cap test tubes (2 glass, 2 plastic); frozen (in dark)	technicon AuA	<± 23%	23% (SS)	0.74 - 3.93	2.09	2.04	4	
		SiO_3	mmol m^{-3}	11	103	103	acid-cleaned GO-FLO bottles	screw-cap test tubes (2 glass, 2 plastic); frozen (in dark)	technicon AuA	± 8%	± 8% (SS)	9.1 - 60.3	44.8	46.8	4	
		NO_3	mmol m^{-2}	11	104	104	acid-cleaned GO-FLO bottles	screw-cap test tubes (2 glass, 2 plastic); frozen (in dark)	technicon AuA	± 1%	± 1% (SS)	6.7 - 29.4	22.5	23.5	4	
		chl. a	mg m^{-3}	11	53	53	acid-cleaned GO-FLO bottles	gentle mixing; filtration (GF/C filter); $MgCO_3$ suspension sprayed on; frozen (brown bottle with silica-gel)	fluorometry	NS (Note 7)	NS	0.08 - 40.47	3.39	1.20	2	
		SPM	g m^{-3}	11	63	63	acid-cleaned GO-FLO bottles	gentle mixing; filtration (0.4μm); filters stored in acid-cleaned petri slides; frozen	gravimetry	< 0.04 g m^{-3}	NS (Note 7)	0.15 - 4.36	1.15	0.82	3	DWB
82-0040	SEA WATER	O_2	mol m^{-3}	11	83	83	Niskin bottles	$MnCl_2$/KI or NaI addition; sealed in calibrated oxygen bottles	micro - WT	± 0.0002 mm^{-3}	± 0.4 mmol m^{-3} (NS)	0.110 - 0.334	0.183	0.168	4	
		PO_4	mmol m^{-3}	11	97	98	Niskin bottles	screw-cap test tubes (2 glass, 2 plastic); frozen (in dark)	technicon AuA	± 2%	± 2% (SS)	0.55 - 3.00	2.20	2.27	4	
		SiO_3	mmol m^{-3}	11	97	98	Niskin bottles	screw-cap test tubes (2 glass; 2 plastic); frozen (in dark)	technicon AuA	± 4%	± 4% (SS)	12.4 - 61.4	44.7	44.9	4	
		NO_3	mmol m^{-3}	11	98	98	Niskin bottles	screw-cap test tubes (2 glass, 2 plastic); frozen (in dark)	technicon AuA	± 1.4%	± 1.4% (SS)	2.7 - 33.1	24.7	25.7	4	
		chl. a	Mg m^{-3}	7	33	33	Niskin bottles	gentle mixing; filtration (GF/C filter); $MgCO_3$ suspension sprayed on; frozen (brown bottle with silica-gel)	fluorometry	NS (Note 7)	NS	0.05 - 6.75	0.74	0.24	2	

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
82-0040 (cont'd.)		SPM	$g\ m^{-3}$	8	54	54	Niskin bottles	gentle mixing; filtration (0.4 μm) filters stored in acid-cleaned petri-slides; frozen	gravimetry	± 0.02 $g\ m^{-3}$	- 6.5%	0.35 - 15.23	1.07	0.66	4	accuracy based on 3 prepared standard supervisions
82-0045	SEA WATER	O_2	$mol\ m^{-3}$	8	39	39	NS	NS	NS	NS	NS	0.266 - 0.310	0.287	0.2832	2	
83-0002	SEA WATER	chl. a	$mg\ m^{-3}$	-	-	-	sfc: bucket depth: Niskin bottles	light and dark bottles	filtered; 1% $NaCO_3$ addition; acetone extraction; filtered; fluorometry	NS	NS				2	
		O_2	$mol\ m^{-3}$	40	196	196	Niskin bottle (Rosette)	none: analysis on board ship	WT (S+P)	NS	NS	0.067 - 0.335	0.217	0.217	2	
		NO_3+NO_2	$mmol\ m^{-3}$	55	339	316	Niskin bottle (Rosette)	frozen	technicon AuA method 186-72W	NS	NS	<d.l. - 37.10	NC	NC	2	d.l. not specified
		PO_4	$mmol\ m^{-3}$	55	331	331	Niskin bottle (Rosette)	frozen	technicon AuA method 158-71W	NS	NS	0.19 - 4.21	1.76	1.62	2	
		SiO_3	$mmol\ m^{-3}$	55	338	338	Niskin bottle (Rosette)	frozen	technicon AuA method 155-71W	NS	NS	1.10 - 80.30	21.02	16.20	2	
		chl. a	$mg\ m^{-3}$	54	131	131	Niskin bottle (Rosette)	none: analysis on board ship	fluorometry (S+P)	NS	NS	0.19 - 18.72	3.75	1.86	2	
		Pm	$mgC\ (mgchl.a)^{-1}h^{-1}$	11	23	23	Niskin bottle (Rosette)	inoculated with $NH^{14}CO_3$, incubated, filtered at sea	scintillation counter	NS	NS	3.50 - 21.00	8.64	7.30	2	
	(dissolved)	IC	$mol\ m^{-3}$	11	52	52	sfc: bucket depth: Niskin bottles	light and dark bottles	Strickland & Parsons (1972)	NS	NS	1.90 - 2.21	2.06	2.06	2	
83-0014	SEA WATER	O_2	$mol\ m^{-3}$	9	68	68	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS	NS (Note 7)	0.112 - 0.285	0.210	0.223	2	
83-0015	SEA WATER	O_2	$mol\ m^{-3}$	9	69	69	Niskin bottles	$MnCl_2$/KI or NaI addition; analysis within 24 h	modified WT	NS	NS (Note 7)	0.128 - 0.337	0.236	0.242	2	
83-0062A	BIOTA Golden King Crab (Lithodes aequispina) Muscle Tissue	As	$mmol\ kg^{-1}$	13	13	13	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 3.5%	+ 6.3% (O.T.)	1.35 - 2.62	1.99	2.10	2	DWB
		Cd	$\mu mol\ kg^{-1}$	13	13	13	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	± 1.8%	- 7.1% (O.T.)	0.89 - 1.74	3.18	1.78	2	DWB; Note 5
		Cu	$\mu mol\ kg^{-1}$	13	13	13	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.3%	- 0.6% (O.T.)	0.24 - 1.55	0.80	0.66	2	DWB
		Cr	$\mu mol\ kg^{-1}$	13	13	10	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 17.5%	+ 15.9% (O.T.)	<7.7 - 17.3	9.8	9.6	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
83-0062A (cont'd.)		Pb	µmol kg^{-1}	13	13	8	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	NS	NS	<0.39 - 2.47	0.79	0.58	2	DWB
		Mn	µmol kg^{-1}	13	13	13	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.9%	- 4.9% (O.T.)	20.6 - 102.1	49.0	38.8	2	DWB; Note 5
		Hg	µmol kg^{-1}	13	12	12	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; H_2SO_4 digest; H_2O_2, HNO_3 oxidation; CVAAS	NS	NS	0.10 - 0.80	0.34	0.25	2	DWB
		Mo	µmol kg^{-1}	13	13	0	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	<4.17 - < 4.17	NC	NC	2	DWB
		Ni	µmol kg^{-1}	13	13	0	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	<34.1 - <34.1	NC	NC	2	DWB
		Zn	mmol kg^{-1}	13	13	13	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.2%	- 6.3% (O.T.)	2.45 - 3.64	2.95	2.94	2	DWB
	Tanner Crab (Chionoecetes bairdi) Muscle Tissue	As	mmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 3.5%	+ 6.3% (O.T.)	0.65 - 3.28	2.06	2.24	2	DWB
		Cd	µmol kg^{-1}	3	3	2	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	± 1.8%	- 7.1% (O.T.)	<0.36 - 3.38	1.72	1.42	2	DWB; Note 5
		Cu	mmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.3%	- 0.6% (O.T.)	0.31 - 0.46	0.39	0.43	2	DWB
		Cr	µmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 17.5%	+ 15.9% (O.T.)	9.6 - 11.5	11.0	11.5	2	DWB
		Pb	µmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	NS	NS	0.97 - 1.79	1.45	1.59	2	DWB
		Mn	mmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.9%	- 4.9% (O.T.)	0.054 - 0.240	0.139	0.122	2	DWB; Note 5

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION Collection	Storage	Analysis	Precision	Accuracy	MEASURED VALUES Range	Mean	Median	DATA RATING	REMARKS
83-0062A (cont'd.)		Hg	µmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; H_2SO_4 digest; H_2O_2, HNO_3 oxidation; CVAAS	NS	NS	0.65 - 1.44	1.03	1.00	2	DWB
		Mo	µmol kg^{-1}	3	3	0	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	<4.17 - <4.17	NC	NC	2	DWB
		Ni	µmol kg^{-1}	3	3	0	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	<34.1 - <34.1	NC	NC	2	DWB
		Zn	mmol kg^{-1}	3	3	3	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.2%	- 6.3% (O.T.)	1.79 - 2.00	1.86	1.79	2	DWB
	Red King Crab (Paralithodes camstchatica) muscle tissue	As	mmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 3.5%	+ 6.3% (O.T.)	0.37 - 0.87	0.58	0.55	2	DWB
		Cd	µmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	± 1.8%	- 7.1% (O.T.)	1.51 - 3.47	2.07	1.96	2	DWB; Note 5
		Cu	mmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.3%	- 0.6% (O.T.)	0.89 - 1.67	1.32	1.45	2	DWB
		Cr	µmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 17.5%	+ 15.9% (O.T.)	7.69 - 15.38	11.54	11.54	2	DWB
		Pb	µmol kg^{-1}	6	6	4	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; GFAAS	NS	NS	<0.39 - 1.83	0.90	0.63	2	DWB
		Mn	µmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.9%	- 4.9% (O.T.)	14.74 - 30.40	20.50	19.38	2	DWB; Note 5
		Hg	µmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; H_2SO_4 digest; H_2O_2, HNO_3 oxidation; CVAAS	NS	NS	0.40 - 1.25	0.76	0.60	2	DWB
		Mo	µmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	4.17 - 6.25	5.21	5.21	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT Qty	MEASUREMENT Units	NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY Collection	METHODOLOGY Storage	INFORMATION Analysis	INFORMATION Precision	INFORMATION Accuracy	MEASURED VALUES Range	MEASURED VALUES Mean	MEASURED VALUES Median	DATA RATING	REMARKS
83-0062A (cont'd.)		Ni	μmol kg^{-1}	6	6	0	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	NS	NS	<34.1 - <34.1	NC	NC	2	DWB
		Zn	mmol kg^{-1}	6	6	6	otter trawl/ crab traps; tissue dissection in field within 1 h of collection	NS	homogenized; freeze-dried; low temp. ash HNO_3/HCl digestion; ICAP	± 1.2%	- 6.3% (O.T.)	2.48 - 3.40	3.00	3.13	2	DWB
83-0062B	BIOTA (Yoldia Thraciaeformis)	Cd	N/A	2	14	14	otter trawl	depurated (24 h); 10% buffered formalin	6μm sections + thiazolyazophenol stain	NS	NS	-	-	-	2	qualitative presence/ absence only
		Zn	N/A	2	14	14	otter trawl	depurated (24 h); 10% buffered formalin	6μm sections + zincon or thiazolyazophenol	NS	NS	-	-	-	2	qualitative presence/ absence only
		Cu	N/A	2	14	14	otter trawl	depurated (24 h); 10% buffered formalin	6μm sections + zincon stain	NS	NS	-	-	-	2	qualitative presence/ absence only
		Fe	N/A	2	14	14	otter trawl	depurated (24 h); 10% buffered formalin	6μm sections + Perls' method for ferric iron	NS	NS	-	-	-	2	qualitative presence/ absence only
		Pb	N/A	2	14	14	otter trawl	depurated (24 h); 10% buffered formalin	6μm sections + Mallory's haematoxylin	NS	NS	-	-	-	2	qualitative presence/ absence only
84-0036	BIOTA Cockles (Clinocardium nuttallii)	As	μmol kg^{-1}	1	30	28	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	± 3.5%	+ 6.3% (O.T.)	<53.4 - 133.5	85.4	80.1	4	DWB
		Cd	μmol kg^{-1}	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; GFAAS	± 1.8%	-7.1% (O.T.)	1.07 - 4.00	1.65	1.60	2	DWB; Note 5
		Cu	μmol kg^{-1}	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	± 1.3%	-0.6% (O.T.)	47.2 - 125.9	63.0	60.6	2	DWB; Note 5
		Cr	μmol kg^{-1}	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	± 17.5%	+15.9% (O.T.)	15.4 - 42.3	22.1	19.2	4	DWB
		Pb	μmol kg^{-1}	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; GFAAS	NS	NS	0.77 - 2.99	1.45	1.35	2	DWB
		Mn	μmol kg^{-1}	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	± 1.9%	-4.9% (O.T.)	50.1 - 318.5	183.7	189.3	2	DWB
		Hg	μmol kg^{-1}	1	30	24	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; H_2SO_4 digest; H_2O_2, HNO_3 oxidation; CVAAS	NS	NS (O.T.)	0.100 - 0.498	0.229	0.299	2	DWB

DATA SET NO.	MEDIUM SAMPLED	MEASUREMENT		NO. STATIONS	NO. SAMPLES	NO. SAMPLES >d.l.	METHODOLOGY INFORMATION					MEASURED VALUES			DATA RATING	REMARKS
		Qty	Units				Collection	Storage	Analysis	Precision	Accuracy	Range	Mean	Median		
		Mo	$\mu mol\ kg^{-1}$	1	30	0	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	NS	NS	<4.17 - 4.17	NC	NC	2	DWB
		Ni	$\mu mol\ kg^{-1}$	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	NS	NS	51.1 - 221.4	109.5	110.7	2	DWB
		Zn	$mmol\ kg^{-1}$	1	30	30	SCUBA	depurated 21-24 h; frozen	homogenized; freeze-dried; low temp. ash; HNO_3/HCl digestion; ICAP	± 1.2%	-6.3% (O.T.)	0.77 - 1.47	0.98	0.95	2	DWB; Note 5