

NOAA Data Report ERL PMEL-2



LOW MOLECULAR WEIGHT HYDROCARBON CONCENTRATIONS ($C_1 - C_4$),
ALASKAN CONTINENTAL SHELF, 1975 - 1979

Charles N. Katz
Joel D. Cline

Pacific Marine Environmental Laboratory
Seattle, Washington
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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION /

Environmental
Research Laboratories

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**UNITED STATES
DEPARTMENT OF COMMERCE**
Philip M. Klutznick, Secretary

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
Richard A. Frank, Administrator

Environmental Research
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1. INTRODUCTION

Dissolved low molecular weight (LMW) aliphatic hydrocarbons, C_1 - C_4 , were measured on the Alaskan Continental shelf as a part of the Outer Continental Shelf Environment Assessment Program (OCSEAP) sponsored by the Bureau of Land Management (BLM) and administered by the National Oceanic and Atmospheric Administration (NOAA). The purpose of the program was to establish the spatial distributions and temporal (seasonal and diel) variations in the dissolved gaseous hydrocarbon fraction composed of methane, ethane, ethene, propane, propene, iso- and n-butane. These data were collected in order to establish baseline levels of naturally occurring hydrocarbons in the offshore lease areas prior to development of fossil fuel reserves. The ease with which they are measured and their relative abundance in oil and natural gas have made these compounds attractive as tracers of petroleum introduced to the marine environment as a consequence of offshore oil and natural gas exploration, development, production, or transportation.

This data report summarizes light hydrocarbon concentrations made during 13 cruises from 1975 to 1979. The cruise numbers, geographic locations, inclusive dates, and number of samples analyzed for each cruise are shown chronologically in table 1. Spatial and temporal hydrocarbon distributions were obtained in seven geographical areas of the Alaskan shelf. These areas include the northeast Gulf of Alaska, Cook Inlet, Kodiak Shelf, Shelikof Strait, southeast Bering Sea, Norton Sound, and Chukchi Sea as shown in figure 1.

Vertical profiles at each station usually included samples taken at the surface and within 5 m of the bottom. The number of samples taken at intermediate depths depended on the depth of the water column. Diel variability in hydrocarbon concentrations was determined at one or more 24 to 48 hour time series stations during most visits. Time series stations are listed in table 2.

Table 1. Summary of Cruises in Chronological Order

<u>Cruise Number</u>	<u>Geographic Locations</u>	<u>Inclusive Dates</u>	<u>Number of Samples</u>
RP-4-DI-75B-III	Southeast Bering Sea	12 Sep. - 03 Oct. 1975	299
RP-4-DI-75C-I	Northeast Gulf of Alaska	21 Oct. - 09 Nov. 1975	365
RP-4-DI-76A-III	Cook Inlet, Northeast Gulf of Alaska	04 Apr. - 13 Apr. 1976	25,8
RP-4-D-76A-IV	Northeast Gulf of Alaska	13 Apr. - 30 Apr. 1976	310
RP-4-DI-76B-I	Northeast Gulf of Alaska	19 Jul. - 31 Jul. 1976	264
RP-4-MW-76B-VIII	Southeast Bering Sea	25 Jun. - 08 Jul. 1976	321
RP-4-DI-76B-IV	Norton Sound, Chukchi Sea	08 Sep. - 24 Sep. 1976	175,162
RP-4-DI-77A-IV	Cook Inlet, Shelikof Strait, Northeast Gulf of Alaska	05 Apr. - 22 Apr. 1977	81,16,86
ACONA 245-77	Cook Inlet, Shelikof Strait, Kodiak Shelf	28 Jun. - 16 Jul. 1977	256,101,89
RP-4-DI-78A-III	Cook Inlet	07 May - 17 May 1978	174
RP-4-DI-78B-II	Cook Inlet	28 Aug. - 06 Sep. 1978	118
RP-4-DI-79A-II	Cook Inlet, Shelikof Strait	07 May - 20 May 1979	70,35
RP-4-DI-79A-VI	Norton Sound	02 Jul. - 18 Jul. 1979	<u>203</u>
Total			3158

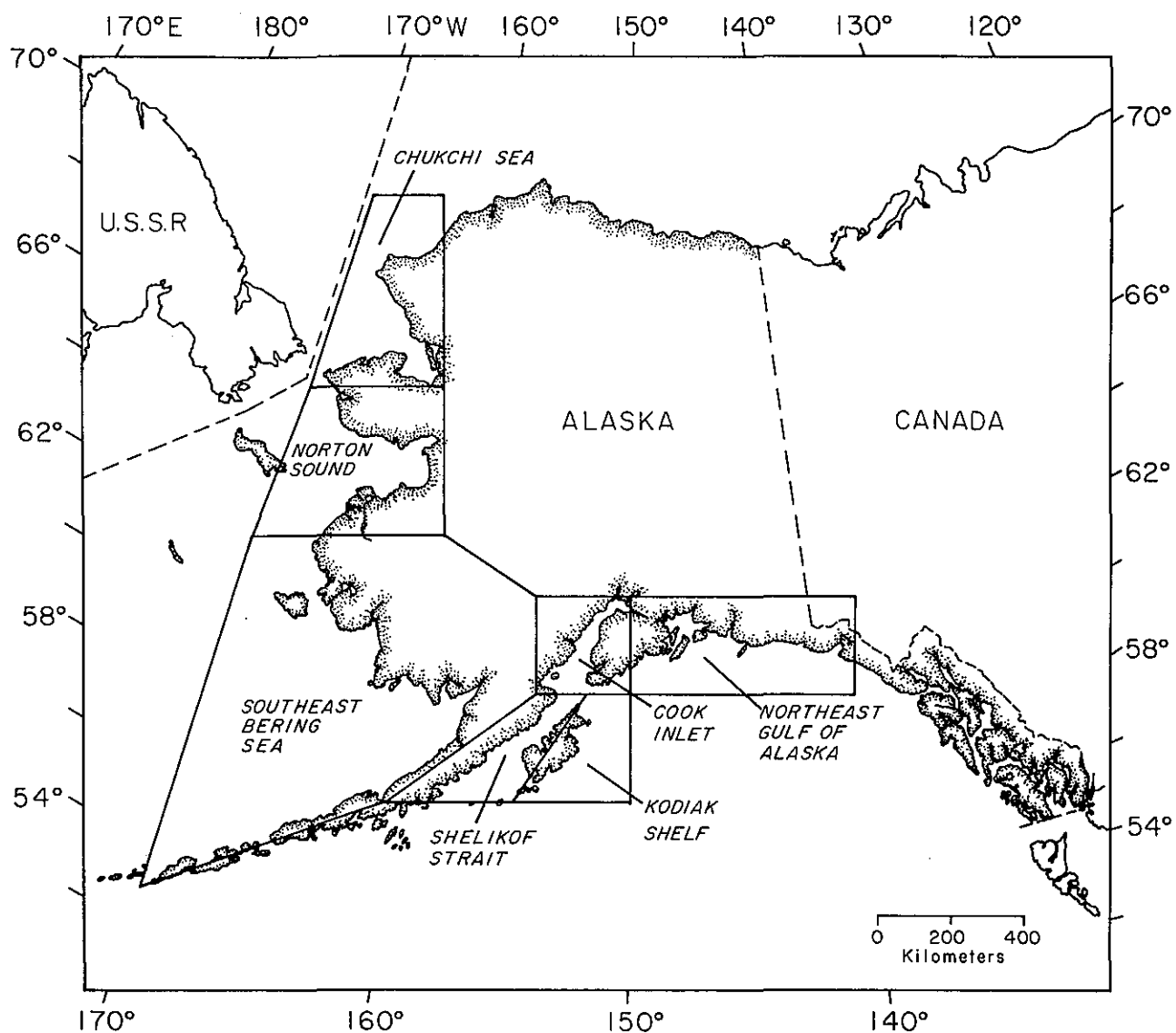


Figure 1. Geographical subdivisions of the Alaskan shelf in which dissolved LMW hydrocarbon concentrations were measured between 1975 and 1979.

Table 2. Time series stations occupied during this study. Numbers or letters in parentheses indicate the sequence of casts taken at a particular station (e.g., PM46(A-I) indicates that PM46A, PM46B, PM46C . . . PM46I are the sequential casts taken at station PM46).

<u>Location</u>	<u>Cruise Number</u>	<u>Time Series Station</u>
Northeast Gulf of Alaska	RP-4-DI-75C-I	PM46(A-I), PM62(A-I)
	RP-4-DI-76A-IV	P15(01-31)
Cook Inlet	RP-4-DI-76A-III	PM13(A-F)
	RP-4-DI-77A-IV	PM11(A-H)
	ACONA 245-77	PM4T(A-E), P28B(1-5)
	RP-4-DI-78A-III	CB07(A-M), CB09(A-G) CB10(A-F)
	RP-4-DI-78B-II	CB10(A-M)
Southeast Bering Sea	RP-4-DI-75B-III	PM46(A-G), EB37(A-J)
Norton Sound	RP-4-DI-76B-IV	N15T(A-M)
	RP-4-DI-79A-VI	N17(A-F), N21B(1-9)
Chukchi Sea	RP-4-DI-76B-IV	C10T(A-N)

2. METHODS

2.1 Sampling

Water samples were collected using standard 5- or 10-ℓ Niskin[®] bottles mounted with a Plessey Environmental Systems Model 9040 CTD on a General Oceanics Rosette sampler. The bottles were rinsed by raising and lowering them routinely from 20 to 10 m.

Once on deck, water was transferred to clean 1-ℓ glass-stoppered bottles such that air bubbles were not trapped. Approximately 200 mg of sodium azide (NaN_3) was added to each bottle before it was stoppered, shaken to disperse the NaN_3 , and stored in the dark at approximately 5°C. The NaN_3 was added to inhibit biological activity in the sample.

Although storage time varied, samples were never stored for more than a few days. It was determined that storage in the dark for periods of a few days resulted in no significant changes in hydrocarbon composition (Katz, 1980).

2.2 Low Molecular Weight Hydrocarbon Analysis

2.2.1 Preconcentration

Analysis of LMW aliphatics, using a procedure adopted from that proposed by Swinnerton and Linnenbom (1967), was accomplished routinely in both the field and laboratory. A detailed discussion of the methods can be found in Katz (1980). The dissolved gases removed from solution by helium stripping were passed through Ascarite[®], Anhydrone[®], and Tenax G.C.[®] traps to remove carbon dioxide, water vapor, and heavier hydrocarbons respectively. The LMW hydrocarbons were subsequently concentrated on an Activated Alumina[®] trap at -196°C. The trap was then warmed to 100°C and the gases backflushed directly into a gas chromatograph. Quantitative removal of the gases from solution was accomplished in approximately ten minutes with a helium flow rate of 150 ml min^{-1} .

2.2.2 Gas Chromatography

Separation and detection of components were carried out on a Hewlett-Packard 5710A gas chromatograph equipped with flame ionization detectors (FID). Separation was originally effected on a Porapak Q[®], 60- to 80-mesh column (1.2 m x 0.48 cm), in series with an activated alumina column (0.3 m x 0.48 cm) impregnated with silver nitrate (1% by weight). This column configuration (charge transfer complexing) allowed resolution of the alkenes from their corresponding alkanes (e.g., ethene from ethane). However, due to its relatively low decomposition temperature (250°C) and relatively high-bleed characteristics at lower temperatures, the Porapak Q[®] column was replaced with an activated alumina, 60- to 80-mesh column (1.8 m x 0.48 cm) prior to 1978 field work. Chromatographic separation of all components was effected in approximately eight minutes with a column flow rate of 50 mL min⁻¹ and a temperature-programming sequence as follows: two-minute hold at 100°C followed by an 8°C min⁻¹ temperature rate increase to 170°C.

2.2.3 Quantitation

Identification and quantitation of components were obtained by comparing retention times and relative responses of standard hydrocarbon gas mixtures with those of the sample. Standard hydrocarbon mixtures prepared in helium by Matheson Gas Products were reported to ±10% (relative standard deviation) accuracy. One of the standards was also calibrated by the National Bureau of Standards (NBS) and was used to calibrate the other standards. Based on the NBS and Matheson intercalibration, the accuracy of measurement is ≤10% for each component. The total sampling and analytical precision was determined to be ≤8% for all components. The detection limit of this method based on a signal-to-noise ratio of 2 is 0.05 nL L⁻¹ for components other than methane. The detection limit for methane is near 1 nL L⁻¹ because of baseline noise and a lower detector response.

2.3 Salinity-Temperature Data

Conductivity and temperature versus depth data were collected using Plessey model 9040 systems with model 8400 data loggers. These systems sampled five times per second for values of temperature, conductivity, and pressure. Data were recorded during the down-cast using a lowering rate of 30 m min^{-1} . Nansen bottle samples were taken on every other cast to provide temperature and salinity calibration. The precision of the salinity and temperature data are $\pm 0.01 \text{ g kg}^{-1}$ and $\pm 0.01^\circ\text{C}$ respectively.

3. GENERAL RESULTS

In general, LMW hydrocarbons showed spatial and seasonal variability. Ranges in concentrations for all geographic areas on the Alaskan shelf were: 10 to $4085 \text{ n}\ell \ell^{-1}$ methane; trace (below detection limit) to $21.0 \text{ n}\ell \ell^{-1}$ ethane, trace to $6.9 \text{ n}\ell \ell^{-1}$ ethane; trace to $11 \text{ n}\ell \ell^{-1}$ propane; and trace to $9.5 \text{ n}\ell \ell^{-1}$ propene. Butane concentrations were typically at or near the detection limit of $0.05 \text{ n}\ell \ell^{-1}$. The highest concentrations of methane, ethane, and propane measured over the Alaskan shelf were observed in upper Cook Inlet (Katz, 1980). Summer concentrations increased over spring and fall values. The concentration increases were more pronounced for methane, ethene, and propene which is related to their biological and/or photochemical origin.

4. ORGANIZATION AND EXPLANATION OF DATA TABLES

The data presented in Appendices A-G are organized in a hierarchy of geographic location, cruise (chronological order), station, and depth distribution. Each geographical location is presented in a separate appendix. Within each appendix cruises are headed by cruise number and inclusive dates (local) of the cruise. Station data include: station number, latitude and longitude to the nearest tenth of a degree, local date and time of sampling, Greenwich mean-time zone, and depth to the bottom in meters. Depth information includes: depth of sample in

meters; methane, ethane, propane, and propene concentrations in nanoliters per liter STP (values below the detection limit of $0.05 \text{ n}\ell \ell^{-1}$ are tabulated as "trace" (T)); water temperature in degrees centigrade; salinity in grams per kilogram; and the methane solubility ratio C/C^* ¹. The methane solubility ratio, C/C^* , is the ratio of the observed methane concentration (C) to the equilibrium methane concentration (C^*) calculated from equations given by Yamamoto et al. (1976) and from the atmospheric methane mixing ratio of 1.4 parts per million by volume (Ehhalt, 1974).

During the early stages of the program, chromatographic separation of ethane from ethene and propane from propene was not possible. This occurred during cruise RP-4-DI-75B-III (Appendix E.1) and for Station PM004, Cruise RP-4-DI-76A-III (Appendix B.1). In these cases, the tabulated values are the sums: ethane + ethene; and propane + propene.

Butane concentrations measured in most areas were at or below the analytical detection limit of $0.05 \text{ n}\ell \ell^{-1}$. Butane concentrations significantly above these levels were measured only in upper Cook Inlet and in the vicinity of the Norton Sound gas seep (Cline and Holmes, 1977). The butane data for these areas are tabulated (nanoliter per liter STP) in Appendix H.

¹ A star (*) indicates no data.

5. ACKNOWLEDGMENTS

The authors would like to thank Anthony Young for the design and construction of the LMW hydrocarbon analysis equipment. Those participating in the sample analyses included S. Hamilton, L. Keister, M. Lamb, L. Ohler, J. Quan, and A. Young. We would like to thank Mark Moehring for help in developing the computer programs for data processing. A special thanks goes to the captains and crews of the NOAA ship DISCOVERER, R/V MOANA WAVE, and R/V ACONA for their assistance in the field program.

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APPENDIX A

Northeast Gulf of Alaska

A.1	RP-4-DI-75C-I	21 Oct. - 09 Nov. 1975
A.2	RP-4-DI-76A-III	04 Apr. - 13 Apr. 1976
A.3	RP-4-DI-76A-IV	13 Apr. - 30 Apr. 1976
A.4	RP-4-DI-76B-I	19 Jul. - 31 Jul. 1976
A.5	RP-4-DI-77A-IV	05 Apr. - 22 Apr. 1977

CRUISE NUMBER
RP-4-D1-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	59 50.8N	149 30.3W	22 OCT	1100	+10	252

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	155.6	0.58	0.88	0.16	*	8.38	28.11	2.9
10	171.7	0.80	0.91	0.16	*	8.49	28.19	3.2
40	242.8	0.85	1.00	0.29	*	9.47	30.47	4.8
60	249.1	0.71	0.84	0.20	*	9.38	31.23	4.9
247	573.6	0.60	0.89	0.22	*	4.92	33.12	10.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	59 23.9N	149 7.1W	23 OCT	1130	+10	205

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	144.0	0.33	0.57	0.09	*	8.85	31.27	2.8
12	166.3	0.81	0.73	0.19	*	8.78	31.69	3.2
41	210.8	0.35	0.88	0.14	*	8.61	31.85	4.1
80	285.5	0.47	1.11	0.12	T	5.98	32.44	5.2
202	477.7	0.76	0.92	0.28	*	5.17	32.97	8.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	58 54.4N	148 35.2W	23 OCT	2000	+10	237

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	110.4	0.17	0.47	0.10	*	8.49	32.07	2.1
11	116.5	0.35	0.62	0.11	*	8.49	32.07	2.2
23	112.7	0.18	0.42	0.11	*	8.49	32.07	2.2
44	115.1	0.39	0.84	0.61	*	8.58	32.29	2.2
80	343.9	0.56	1.12	0.49	T	5.96	32.47	6.3
232	170.4	0.67	1.32	0.12	*	5.15	33.47	3.0

CRUISE NUMBER
RP-4-DI-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	58 24.0N	148 4.5W	24 OCT	0800	+10	1650

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	92.4	0.24	0.60	0.09	*	8.47	32.15	1.8
10	93.7	0.20	0.50	0.30	*	8.45	32.16	1.8
30	101.7	0.18	0.53	0.11	*	8.47	32.16	1.9
53	250.7	0.96	1.48	0.21	*	7.22	31.68	4.7
100	224.5	0.32	0.76	0.28	*	5.35	32.69	4.0
198	147.2	0.33	0.55	0.16	*	5.57	33.75	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM005	58 36.1N	145 13.4W	31 OCT	0220	+10	4400

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	72.2	0.18	0.51	0.08	0.14	7.75	32.42	1.3
12	72.4	0.15	0.51	0.09	0.14	7.77	32.41	1.3
22	77.8	0.23	0.50	0.11	T	7.79	32.43	1.5
51	90.8	0.29	0.89	0.13	*	5.03	32.78	1.6
102	90.4	0.28	0.58	0.14	0.12	4.48	33.41	1.6
151	79.2	0.20	0.49	0.11	T	4.53	33.81	1.4
201	80.6	0.25	0.42	0.14	*	4.14	33.85	1.4

CRUISE NUMBER
RP-4-01-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	58 13.1N	141 55.3W	08 OCT	0600	+10	3500

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	67.9	0.14	0.51	0.08	0.13	6.86	32.46	1.2
21	65.6	0.13	0.50	0.06	0.12	6.84	32.44	1.2
48	65.8	0.16	1.04	0.16	0.12	4.82	32.74	1.1
100	69.8	0.24	0.72	0.13	0.18	3.81	33.11	1.2
216	72.2	0.26	0.56	0.13	T	4.07	33.81	1.2
408	38.4	0.11	0.26	0.10	T	3.80	34.04	0.6
592	151.7	0.09	0.29	0.11	*	3.55	41.87	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	58 13.1N	141 55.3W	08 OCT	0600	+10	3500

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
800	14.1	0.09	0.22	0.08	*	*	*	*
1102	8.5	0.08	0.22	0.10	*	2.90	34.31	0.1
1504	13.0	0.06	0.16	0.08	*	2.29	34.48	0.2
2000	9.2	0.06	0.19	0.05	*	*	*	*
2500	11.3	0.14	0.18	0.06	*	*	*	*
3000	8.3	0.11	0.11	T	*	*	*	*
3332	5.9	0.05	0.17	0.05	*	*	*	*

CRUISE NUMBER
RP-4-D1-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	58 45.7N	141 13.0W	08 NOV	0225	+10	2800

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	77.5	0.30	0.63	0.15	0.16	7.92	32.20	1.4
11	73.1	0.14	0.55	0.12	*	7.92	32.22	1.4
21	74.1	0.15	0.60	T	T	7.92	32.22	1.4
51	77.6	0.16	0.61	0.09	0.05	7.75	32.41	1.4
101	95.1	0.26	0.88	0.21	0.21	5.71	32.99	1.7
201	268.9	0.42	0.62	0.16	T	5.43	33.79	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	59 18.3N	140 33.2W	07 NOV	1805	+10	137

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	96.1	0.13	0.59	0.11	0.21	7.97	31.64	1.8
10	105.4	0.38	0.50	0.12	0.14	7.99	31.64	2.0
18	99.6	0.15	0.56	0.10	0.09	8.01	31.67	1.9
48	86.2	0.16	0.59	0.12	0.18	7.92	31.74	1.5
88	213.5	0.30	1.29	0.22	0.32	6.88	32.58	4.0
125	522.3	0.46	1.05	0.17	0.20	5.55	32.86	9.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	59 34.2N	140 6.2W	07 NOV	1205	+10	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	108.7	0.14	0.56	0.09	0.15	7.70	31.47	2.0
1	103.4	0.15	0.86	0.12	0.17	7.70	31.47	1.9
10	107.5	0.10	0.55	0.08	0.13	7.70	31.55	2.0
17	108.0	0.12	0.53	0.09	0.16	7.75	31.52	2.0

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM010	59 43.7N	141 31.2W	07 NOV	0530	+10	62

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	116.6	0.17	0.78	0.12	0.20	7.63	31.26	2.2
11	108.5	0.13	0.55	0.08	0.13	7.99	31.42	2.0
22	103.4	0.20	0.61	0.10	0.18	8.02	31.46	1.9
41	100.4	0.15	0.69	0.12	0.20	8.08	31.49	1.9
54	101.2	0.16	0.57	0.10	0.17	8.28	31.60	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM011	59 37.8N	141 37.0W	09 NOV	0135	+10	113

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	98.9	0.16	0.79	0.08	0.16	8.11	31.56	1.9
12	98.8	0.13	0.56	0.08	0.11	8.11	31.53	1.9
22	99.5	0.11	0.59	0.08	0.17	8.15	31.53	1.9
53	114.7	0.12	0.66	0.12	T	8.33	31.79	2.2
109	253.3	0.25	1.07	0.18	0.21	6.72	32.47	4.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM012	59 26.8N	141 48.3W	06 NOV	2130	+10	181

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	116.3	0.35	0.98	0.14	0.18	7.92	32.06	2.2
11	112.8	0.28	0.79	0.10	0.18	7.72	32.06	2.1
22	176.9	0.36	1.25	0.14	0.25	7.88	32.79	3.4
51	295.7	0.46	1.40	0.23	0.30	7.04	32.35	5.5
101	117.3	*	*	0.16	0.17	5.70	32.75	2.1
175	222.8	0.22	0.63	0.15	T	5.44	33.53	4.0

CRUISE NUMBER
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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM013	59 8.6N	142 3.7W	06 NOV	1745	+10	1445

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	83.9	*	*	0.12	0.16	7.90	32.11	1.6
11	80.5	0.15	0.59	0.09	0.07	7.92	32.13	1.5
22	73.3	0.11	0.52	0.07	0.11	7.97	32.21	1.4
51	74.9	0.16	0.66	0.08	0.14	7.63	32.31	1.4
101	141.0	0.28	0.98	0.17	0.16	5.78	32.75	2.5
200	187.5	0.35	0.74	0.15	*	5.50	33.60	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	59 17.1N	142 58.8W	04 NOV	0500	+10	2600

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	77.6	0.44	0.68	0.12	T	7.75	32.38	1.4
11	80.2	0.12	0.54	0.09	0.13	7.75	32.35	1.5
22	41.1	0.14	0.56	0.07	0.09	7.74	32.36	0.7
50	90.0	0.18	0.94	0.15	0.20	6.63	32.34	1.6
102	55.5	0.55	0.98	0.15	0.19	4.51	31.08	1.5
201	118.8	0.29	0.52	0.14	*	5.14	33.80	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM015	59 35.7N	142 51.7W	04 NOV	2250	+10	550

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	113.0	0.16	0.75	0.22	0.17	7.65	32.03	2.1
21	*	*	*	T	T	7.68	32.07	*
51	113.2	0.40	0.92	0.17	0.08	6.88	32.55	2.1
101	212.8	0.50	1.04	0.18	0.11	5.34	32.83	3.8
196	262.1	0.40	0.73	0.15	*	5.25	33.52	4.7

CRUISE NUMBER
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LOCATION
NORTHEAST GULF OF ALASKA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	59 55.0N	142 40.6W	04 NOV	1505	+10	137

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	153.1	0.42	0.87	0.15	T	8.08	31.58	2.9
10	160.6	0.49	0.73	0.12	0.05	8.01	31.73	3.0
19	461.4	0.16	0.69	0.12	0.17	8.40	32.02	9.0
32	249.7	0.49	1.06	0.10	0.05	8.38	31.99	4.8
49	127.3	*	*	0.16	*	8.27	32.03	2.4
126	332.5	0.57	1.38	0.17	0.08	5.90	32.57	0.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	59 54.3N	143 53.1W	03 NOV	0310	+10	79

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	377.8	0.39	T	0.29	T	5.61	29.07	6.7
11	185.2	0.65	0.66	0.20	T	7.18	30.68	3.4
21	220.4	0.16	0.53	0.15	T	8.74	31.45	4.3
51	214.8	0.62	1.08	0.11	T	9.08	31.72	4.2
72	265.7	0.16	0.67	0.11	T	8.94	31.86	5.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	59 33.1N	143 55.0W	02 NOV	2115	+10	1200

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	150.6	0.10	0.52	T	*	7.99	31.94	2.9
10	157.9	0.06	0.36	*	*	8.01	31.93	3.0
31	204.7	0.88	1.02	T	T	8.35	32.03	3.9
49	217.0	0.78	1.35	T	T	8.08	32.18	4.2
98	264.0	0.83	0.96	T	*	5.16	32.67	4.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	59 14.7N	143 53.5W	02 NOV	1630	+10	4300

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	115.8	0.27	0.68	0.15	T	7.99	32.16	2.2
11	111.8	0.11	0.50	*	*	7.88	32.20	2.1
30	103.5	0.14	0.48	*	*	7.61	32.28	1.9
49	243.8	0.96	1.69	0.62	T	6.16	32.42	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	59 15.4N	144 40.5W	02 NOV	0640	+10	1500

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	69.5	*	*	T	0.11	7.84	32.39	1.3
10	68.0	*	*	*	*	7.88	32.35	1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	59 35.7N	144 37.5W	03 NOV	2230	+10	150

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	120.3	0.20	0.56	0.22	T	8.56	31.48	2.3
11	156.6	0.21	0.67	0.14	T	8.65	31.50	3.0
20	192.9	0.20	0.89	0.23	0.16	9.12	31.75	3.8
50	191.2	0.24	0.98	0.30	0.23	9.15	31.98	3.7
100	385.2	0.53	1.01	0.16	0.25	6.95	32.51	7.2
139	283.6	0.59	0.88	0.18	T	5.27	32.85	5.1

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	59 41.3N	144 41.0W	03 NOV	1930	+10	135

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	348.7	0.36	0.40	0.31	T	6.68	30.69	6.4
10	170.9	0.17	0.54	0.11	T	7.77	31.49	3.2
20	179.1	0.55	0.93	0.08	0.13	8.15	31.66	3.4
50	264.4	0.22	0.86	0.16	0.20	8.31	32.06	5.1
99	348.3	0.70	1.34	0.20	0.19	5.93	32.56	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	59 53.5N	144 43.5W	03 NOV	0955	+10	152

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	192.8	1.20	0.73	0.25	*	7.56	30.56	3.6
10	173.3	0.64	0.93	0.14	T	7.27	30.83	3.2
21	197.0	0.63	0.70	0.14	T	7.61	30.97	3.7
50	871.6	0.46	0.50	0.20	T	8.63	31.67	17.0
99	484.6	0.69	1.26	0.13	T	8.83	31.95	9.5
149	238.6	0.65	1.15	0.20	T	5.92	32.81	4.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	60 8.0N	144 49.9W	29 OCT	1045	+10	54

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	185.8	0.21	0.44	0.54	0.14	*	*	*
10	187.1	0.27	0.40	T	T	*	*	*
20	192.1	0.19	0.37	T	*	*	*	*
40	353.7	0.33	1.02	0.16	0.20	*	*	*
50	504.4	0.44	1.24	0.18	0.23	8.76	31.94	9.9

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LOCATION
NORTHEAST GULF OF ALASKA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	60 7.5N	145 5.9W	29 OCT	0545	+10	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	206.5	0.18	0.62	0.12	0.15	*	*	*
20	234.9	0.27	0.67	0.14	0.15	*	*	*
56	567.2	0.27	1.04	0.19	0.25	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	59 58.9N	145 8.1W	29 OCT	1955	+10	143

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	242.2	0.33	0.86	0.16	0.21	8.11	31.41	4.6
10	245.6	0.30	0.74	0.14	0.14	8.15	31.40	4.7
20	246.8	0.29	0.73	0.15	0.16	8.17	31.42	4.7
40	497.5	0.47	1.23	0.22	0.25	8.54	32.02	9.7
97	792.1	0.66	1.44	0.22	0.20	6.86	32.23	14.9
137	421.5	0.55	0.99	0.22	T	5.62	32.79	7.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	59 37.4N	145 14.4W	31 OCT	1655	+10	121

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	120.3	T	0.35	T	T	8.26	31.86	2.3
12	77.1	*	*	0.08	0.15	8.31	31.86	1.5
23	132.3	0.13	0.61	0.08	0.13	8.38	31.91	2.5
51	116.1	0.21	0.92	0.12	0.22	8.26	32.31	2.2
101	356.0	0.41	1.16	0.12	0.20	5.59	32.62	6.5
117	290.6	0.30	0.91	0.14	T	5.43	31.07	5.2

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LOCATION
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	59 18.9N	145 15.7W	31 OCT	1105	+10	2170

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	80.6	0.19	0.62	0.12	0.16	7.90	32.37	1.5
22	78.3	*	0.29	0.14	0.11	7.93	32.35	1.5
52	91.3	*	*	0.05	0.23	5.75	32.67	1.6
76	88.4	*	*	0.13	0.19	5.28	32.85	1.6
103	77.9	0.35	0.72	0.17	T	5.14	33.04	1.4
151	106.8	0.27	0.74	0.46	0.13	5.35	33.60	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	59 41.3N	145 53.0W	30 OCT	1650	+10	75

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	229.9	0.20	0.55	0.18	0.15	8.69	31.20	4.4
11	245.1	0.17	0.76	0.13	0.26	8.85	31.84	4.8
21	152.0	0.22	0.70	0.66	T	8.81	31.97	2.9
41	141.6	0.22	0.74	0.69	0.19	8.61	32.08	2.7
65	397.9	0.48	1.25	0.22	0.28	7.36	32.30	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	59 51.1N	145 55.2W	30 OCT	1300	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	218.4	0.29	0.52	0.19	0.13	8.09	31.03	4.2
11	219.5	0.30	0.52	0.14	0.12	8.04	30.99	4.2
21	222.7	0.27	0.51	0.12	0.06	8.06	35.48	4.4
41	188.1	0.26	0.57	0.12	0.06	8.51	31.59	3.6
99	290.0	0.38	1.11	0.19	0.20	7.84	32.23	5.5

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LOCATION
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	60 0.7N	145 53.0W	30 OCT	0935	+10	86

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	166.4	0.14	0.45	0.11	0.08	8.18	30.82	3.2
11	173.9	0.19	0.45	0.11	0.12	8.17	30.80	3.3
21	170.7	0.17	0.41	0.12	0.14	8.17	30.82	3.2
40	233.7	0.32	0.66	0.13	0.18	9.15	31.13	4.6
82	502.5	0.42	1.20	0.20	0.20	8.79	31.92	9.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM035	60 10.9N	145 58.1W	30 OCT	0555	+10	106

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	126.4	0.24	0.42	0.09	0.09	7.45	30.26	2.3
10	146.0	0.18	0.52	0.09	0.13	7.92	30.64	2.6
20	147.9	0.19	0.52	0.10	0.09	8.40	30.94	2.8
49	434.3	0.35	1.03	0.16	0.24	9.15	31.70	8.6
99	594.8	0.39	1.02	0.15	0.33	8.20	31.96	11.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	60 8.2N	145 29.8W	30 OCT	0200	+10	106

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	167.0	0.28	0.59	0.18	T	7.93	30.61	3.1
10	176.2	0.18	0.43	0.12	*	7.95	30.61	3.3
20	168.2	0.15	0.36	0.09	*	7.92	30.63	3.2
30	160.4	0.20	0.44	0.12	T	8.06	30.69	3.0
80	522.4	0.35	1.03	0.15	0.24	8.31	30.80	10.0
100	465.8	0.15	0.77	0.14	0.20	8.45	32.02	9.1

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LOCATION
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	60 9.0N	145 19.8W	29 OCT	0045	+10	62

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	165.7	0.26	0.53	0.14	T	7.79	30.23	3.1
20	172.3	0.17	0.36	0.08	*	7.77	32.06	2.9
40	178.2	0.19	0.47	0.07	T	8.47	30.73	3.4
55	228.4	0.22	0.50	0.13	0.16	8.88	31.30	4.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	60 15.8N	145 42.5W	28 OCT	1900	+10	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	154.8	0.28	0.62	0.13	0.13	8.38	30.94	2.9
10	150.2	0.14	0.43	0.08	T	8.38	30.93	2.9
20	159.6	0.18	0.47	0.09	*	8.42	30.91	3.0
40	245.0	0.25	0.79	0.17	0.18	9.14	31.28	4.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	60 18.7N	146 0.0W	28 OCT	1620	+10	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	168.2	0.15	0.41	0.09	0.05	7.74	30.19	3.1
10	169.1	0.16	0.40	0.10	T	8.49	30.47	3.2
20	166.2	0.19	0.48	0.13	*	8.83	30.64	3.2
26	192.2	0.19	0.52	0.12	0.10	9.04	30.77	3.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	60 32.8N	146 25.6W	28 OCT	0910	+10	109

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	527.3	0.35	0.75	0.16	0.22	8.18	29.74	10.0
10	515.8	0.40	0.78	0.13	0.17	8.40	29.90	9.9
20	409.3	0.37	0.86	0.17	0.20	9.55	30.56	8.1
40	321.1	0.32	0.82	0.17	0.18	9.33	31.01	6.3
103	456.0	0.39	0.93	0.18	0.11	7.77	31.93	8.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM041	60 32.9N	146 38.4W	28 OCT	0550	+10	99

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	229.2	0.18	0.51	0.12	0.15	7.70	29.78	4.3
12	236.2	0.27	0.66	0.14	0.17	8.85	30.38	4.6
22	226.0	0.28	0.69	0.13	0.15	9.31	30.62	4.4
42	273.2	0.21	0.69	0.17	0.20	9.12	30.97	5.3
62	297.9	0.29	0.79	0.19	0.19	8.33	31.28	5.7
93	453.1	0.27	0.86	0.17	0.16	7.36	32.18	8.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	60 30.8N	146 47.3W	28 OCT	0240	+10	386

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	152.0	0.20	0.57	0.13	0.16	7.99	29.68	2.8
10	172.8	0.17	0.47	0.12	0.12	8.40	29.85	3.3
21	322.5	0.23	0.75	0.18	0.21	9.46	30.56	6.3
41	314.7	0.27	1.05	0.20	0.21	8.76	30.96	6.1
101	312.2	0.31	0.84	0.21	T	5.71	31.89	5.6
383	333.9	0.37	0.79	0.16	0.08	5.01	33.02	6.0

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	60 20.1N	146 53.6W	27 OCT	2140	+10	287

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	185.5	0.18	0.53	0.12	0.13	8.22	29.78	3.5
12	191.9	0.17	0.47	0.11	0.07	8.31	29.77	3.6
21	343.4	0.33	0.91	0.19	0.21	9.37	30.59	6.7
41	298.2	0.31	0.91	0.21	0.20	8.95	30.92	5.8
101	335.7	0.54	1.05	0.24	0.17	6.30	31.79	6.2
282	342.9	0.40	0.74	0.18	*	4.98	32.90	6.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	60 14.0N	146 49.7W	27 OCT	1845	+10	214

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	109.8	0.21	0.42	0.06	*	7.63	29.91	2.0
11	115.8	0.13	0.37	0.06	*	8.18	30.24	2.2
22	125.4	0.16	0.43	0.11	*	8.52	30.44	2.4
41	217.2	0.31	0.70	0.15	T	9.55	31.11	4.3
101	393.3	0.40	0.95	0.16	0.17	8.60	31.98	7.7
206	540.5	0.47	0.84	0.19	T	5.50	32.49	9.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	60 2.2N	146 42.1W	27 OCT	1500	+10	118

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	260.7	0.30	0.69	0.17	T	8.49	30.35	5.0
10	161.8	0.32	0.64	0.12	0.08	8.44	31.41	3.1
21	186.5	0.35	0.53	0.14	T	8.47	31.41	3.6
42	632.4	0.19	0.69	0.16	0.11	8.52	31.91	12.3
82	978.1	0.48	1.11	0.17	0.19	7.83	32.11	18.8
110	1384.9	0.62	1.21	0.18	0.20	7.44	32.18	26.4

CRUISE NUMBER
RP-4-DI-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46A	59 54.7N	146 38.1W	26 OCT	0200	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
6	150.9	0.34	0.68	0.11	*	8.81	31.29	2.9
11	150.0	0.31	0.62	0.12	0.11	8.85	31.30	2.9
21	165.0	0.42	0.68	0.11	*	8.94	31.38	3.2
42	304.1	0.18	0.06	0.14	0.14	8.81	31.76	5.9
61	654.4	0.18	0.70	0.16	0.15	8.05	32.10	12.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46B	59 54.7N	146 38.1W	26 OCT	0545	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	156.0	0.15	0.46	0.11	T	8.92	31.05	3.0
11	159.5	0.16	0.45	0.10	T	8.94	31.07	3.1
22	158.8	0.16	0.46	0.10	T	8.94	31.06	3.1
42	225.7	0.33	0.73	0.14	0.11	9.29	31.34	4.4
58	387.5	0.21	0.79	0.14	0.13	8.14	32.09	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46C	59 54.7N	146 38.1W	26 OCT	0945	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	157.9	0.18	0.51	0.14	0.07	8.88	31.05	3.0
11	157.4	0.19	0.44	0.12	T	8.90	31.05	3.0
21	160.7	0.20	0.44	0.12	T	8.90	31.05	3.1
41	197.9	0.18	0.58	0.12	T	9.06	31.42	3.9
56	238.5	0.23	0.66	0.16	T	9.18	31.53	4.7

CRUISE NUMBER
RP-4-DI-75C-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46D	59 54.7N	146 38.1W	26 OCT	1345	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	147.3	0.21	0.46	0.14	0.05	8.81	30.86	2.8
11	146.5	0.20	0.44	0.11	*	8.81	30.88	2.8
21	149.3	0.16	0.43	0.10	T	8.88	31.01	2.9
42	233.9	0.23	0.61	0.15	T	9.28	31.40	4.6
58	273.4	0.21	0.71	0.14	0.14	8.63	31.85	5.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46E	59 54.7N	146 38.1W	26 OCT	1750	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	151.5	0.18	0.47	0.11	T	8.78	30.96	2.9
10	154.7	0.30	0.51	0.16	T	8.78	30.97	3.0
21	158.1	0.30	0.57	0.10	*	8.83	30.97	3.0
40	507.4	0.37	0.79	0.14	0.10	9.26	31.41	10.0
58	458.5	0.29	0.60	0.15	0.15	9.17	31.59	9.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46F	59 54.7N	146 38.1W	26 OCT	2140	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	148.6	0.22	0.54	0.15	T	8.76	30.93	2.8
10	149.3	0.22	0.46	0.12	T	8.76	30.96	2.9
20	154.2	0.20	0.45	0.13	T	8.79	30.92	3.0
40	355.0	0.24	0.63	0.17	T	9.26	31.44	7.0
50	350.9	0.24	0.64	0.14	0.09	8.97	31.65	6.9

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46G	59 54.7N	146 38.1W	27 OCT	0140	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	149.2	0.18	0.47	0.14	T	8.74	30.98	2.9
11	150.6	0.15	0.41	0.12	T	8.76	30.98	2.9
21	488.3	0.36	0.78	0.13	T	8.86	30.99	9.5
40	402.3	0.15	0.62	0.13	0.11	9.22	31.46	7.9
55	311.5	0.22	0.67	0.15	0.05	8.76	31.78	6.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46H	59 54.7N	146 38.1W	27 OCT	0530	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	178.9	0.18	0.52	0.10	0.09	8.79	31.08	3.5
10	181.1	0.14	0.41	0.10	T	8.81	31.08	3.5
21	185.5	0.16	0.42	0.10	0.06	8.79	31.09	3.6
41	183.8	0.19	0.44	0.13	T	8.85	31.09	3.6
57	286.2	0.31	0.85	0.16	0.18	8.99	31.77	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46I	59 54.7N	146 38.1W	27 OCT	0935	+10	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	176.0	0.22	0.53	0.10	T	8.79	31.10	3.4
11	178.3	0.21	0.46	0.13	T	8.79	31.09	3.4
21	181.5	0.23	0.50	0.44	0.08	8.79	31.10	3.5
41	199.7	0.20	0.59	0.13	T	9.08	31.32	3.9
58	262.7	0.25	0.72	0.16	T	8.87	31.80	5.1

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	59 47.7N	146 32.6W	25 OCT	1945	+10	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	155.6	0.28	0.62	0.16	T	8.92	31.09	3.0
11	153.2	0.17	0.49	0.09	T	8.92	31.08	3.0
21	170.9	0.20	0.52	0.12	*	9.06	31.36	3.3
40	230.5	0.51	0.82	0.16	*	8.79	31.71	4.5
66	291.8	0.24	0.86	0.16	0.14	8.15	32.15	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	59 16.2N	146 15.0W	25 OCT	1130	+10	395

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	222.2	0.20	0.59	0.17	T	8.72	31.41	4.3
21	253.4	0.43	0.86	0.13	T	8.81	31.50	4.9
52	198.5	0.43	1.01	0.09	T	9.10	32.01	3.9
77	238.1	0.43	1.13	0.14	T	8.51	32.10	4.6
102	286.5	0.44	1.13	0.15	T	6.95	32.41	5.4
199	160.9	0.44	0.77	0.15	T	5.39	33.50	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM049	59 11.2N	147 36.3W	24 OCT	1530	+10	205

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	163.5	0.18	0.59	0.14	T	9.01	31.33	3.2
12	180.7	0.39	0.82	0.11	T	9.08	31.34	3.5
22	232.9	0.24	0.71	0.15	T	8.86	31.92	4.5
51	141.6	0.53	0.96	0.12	T	8.49	32.20	2.7
99	184.6	0.44	0.97	0.20	T	5.35	32.80	3.3
205	112.5	0.28	0.56	0.13	T	5.03	33.78	2.0

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM050	59 28.9N	147 56.0W	24 OCT	2130	+10	148

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	167.6	0.44	0.81	*	T	8.85	31.28	3.2
10	180.2	0.21	0.51	0.13	*	8.88	31.30	3.5
31	208.0	0.19	0.59	0.12	*	8.97	31.31	4.0
50	351.7	0.23	0.87	0.15	T	8.42	31.96	6.8
101	346.6	0.31	0.96	0.19	T	6.54	32.35	6.4
144	287.8	0.47	0.92	0.15	*	5.55	32.77	5.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM051	59 50.1N	148 10.8W	25 OCT	0115	+10	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	435.2	0.63	0.84	0.19	0.25	8.76	29.92	8.4
11	351.4	0.32	0.49	0.16	T	8.90	30.18	6.8
30	224.7	0.61	0.71	0.18	T	9.22	30.92	4.4
51	282.2	0.74	0.78	0.23	0.07	9.17	31.18	5.5
72	508.7	0.66	1.31	0.24	T	6.04	31.74	9.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62A	59 34.6N	142 10.9W	05 NOV	0240	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	84.4	*	*	0.10	T	7.68	32.37	1.6
10	83.1	*	*	0.09	0.09	7.70	32.37	1.5
21	81.9	0.14	0.58	0.06	0.05	7.72	32.34	1.5
61	86.2	*	*	0.11	0.20	7.27	32.52	1.6
101	89.1	0.24	0.84	0.20	0.26	5.10	32.88	1.6
184	85.4	0.35	0.76	0.11	0.14	5.46	33.53	1.5

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62B	59 34.6N	142 10.9W	05 NOV	0530	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	81.9	0.37	0.76	0.13	0.11	7.72	32.37	1.5
11	82.3	0.39	0.80	0.08	0.10	7.74	32.35	1.5
22	82.3	*	*	0.09	0.16	7.74	32.36	1.5
61	83.3	*	*	0.10	0.18	7.74	32.36	1.6
100	93.4	0.25	0.82	0.18	0.16	5.28	32.75	1.6
186	207.4	0.38	0.65	0.18	T	5.48	33.57	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62C	59 34.6N	142 10.9W	05 NOV	1015	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	86.2	0.15	0.68	0.10	0.17	7.75	33.30	1.6
11	83.3	0.35	0.70	0.13	0.16	7.77	32.33	1.6
23	84.2	0.14	0.59	0.09	0.16	7.75	32.34	1.6
50	95.6	*	*	0.14	0.23	7.63	32.43	1.8
101	89.0	*	*	0.16	0.16	5.39	32.82	1.6
191	136.5	0.43	0.75	0.21	*	5.48	33.69	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62D	59 34.6N	142 10.9W	05 NOV	1345	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	151.0	*	*	0.09	0.14	7.84	31.93	2.9
10	110.8	*	*	0.15	0.07	7.79	32.12	2.1
22	89.2	*	*	*	0.11	7.75	32.31	1.7
50	83.4	0.37	0.70	0.15	0.16	7.77	32.38	1.6
101	89.9	*	*	0.14	0.16	5.22	32.87	1.6
183	144.8	0.34	0.72	0.14	T	5.48	33.67	2.6

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62E	59 34.6N	142 10.9W	05 NOV	1740	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	119.8	*	*	0.14	0.16	7.79	31.06	2.2
11	127.2	*	*	0.16	0.17	7.77	31.95	2.4
61	76.4	0.15	0.58	0.14	T	7.77	32.37	1.4
97	88.3	0.26	0.79	0.14	T	5.48	32.81	1.6
183	142.8	0.22	0.56	0.15	*	5.48	33.65	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62F	59 34.6N	142 10.9W	05 NOV	2130	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	104.6	0.22	0.95	0.12	T	7.52	32.21	2.0
10	112.1	0.33	0.80	0.15	0.11	7.52	32.24	2.1
19	133.7	0.42	1.13	0.12	0.24	7.58	32.24	2.5
60	399.4	0.48	1.33	0.18	0.30	6.39	32.48	7.4
100	560.6	0.56	1.23	0.22	0.21	5.87	32.64	10.3
177	167.8	0.35	0.75	0.16	*	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62G	59 34.6N	142 10.9W	06 NOV	0145	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
10	83.8	0.51	0.73	0.12	T	7.70	32.31	1.6
21	82.3	0.23	0.61	0.10	T	7.70	32.36	1.5
59	95.7	*	*	0.17	0.24	6.93	32.50	1.8
100	88.0	*	*	0.17	0.17	5.46	32.87	1.6
179	208.4	0.39	0.78	0.16	*	5.50	33.53	3.8

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62H	59 34.6N	142 10.9W	06 NOV	0545	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	84.6	*	*	0.11	0.18	7.65	32.34	1.6
10	82.6	*	*	0.07	0.14	7.65	32.34	1.5
19	82.3	*	*	0.12	0.16	7.63	32.35	1.5
58	96.4	*	*	0.15	0.25	7.45	32.47	1.8
98	84.4	*	*	0.14	0.23	5.41	32.87	1.5
182	213.5	*	*	0.16	*	5.50	33.53	3.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM62I	59 34.6N	142 10.9W	06 NOV	0925	+10	188

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
11	84.5	*	*	0.12	0.20	7.61	32.34	1.6
22	79.9	*	*	0.09	0.14	7.63	32.33	1.5
61	100.6	*	*	0.16	0.30	7.08	32.48	1.9
101	1297.8	*	*	0.20	0.16	5.52	32.90	23.7
183	191.4	*	*	0.11	T	5.50	33.57	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X001	59 44.0N	144 37.5W	03 NOV	1320	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
100	482.1	0.15	0.94	0.14	0.18	*	*	*
102	414.8	0.18	0.85	0.16	0.07	*	*	*

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X002	59 48.8N	144 39.4W	03 NOV	1420	+10	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
66	335.0	0.61	1.08	0.25	T	*	*	*
68	280.3	0.24	0.56	0.12	T	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X003	59 44.0N	144 39.8W	03 NOV	1515	+10	43

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
39	359.4	0.54	0.79	0.21	T	*	*	*
41	335.8	0.39	0.83	0.09	T	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X004	59 43.4N	144 40.6W	03 NOV	1605	+10	59

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
55	271.4	0.37	0.78	0.10	T	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X005	59 43.4N	144 40.1W	03 NOV	1650	+10	59

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
55	435.5	0.17	0.85	*	T	*	*	*
57	430.9	0.52	1.23	0.11	0.38	*	*	*

CRUISE NUMBER
RP-4-DI-75C-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
21 OCT-09 NOV 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
X006	59 43.3N	144 40.3W	03 NOV	1815	+10	74

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
70	444.1	0.17	0.92	0.15	0.19	*	*	*
72	479.8	0.58	1.44	0.16	0.21	*	*	*

CRUISE NUMBER
RP-4-DI-76A-111

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
04 APR-13 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM13A	60 41.5N	147 40.9W	11 APR	1535	+10	700

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
9	134.2	0.36	1.33	0.56	0.83	*	*	*
29	132.1	0.31	0.98	0.56	0.78	*	*	*
97	129.1	0.30	0.77	0.38	0.60	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM13F	60 41.5N	147 40.9W	12 APR	1030	+10	700

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	114.3	0.37	1.03	0.45	0.65	*	*	*
10	126.0	0.33	1.03	*	*	*	*	*
20	120.6	0.39	1.11	0.56	0.85	*	*	*
30	142.0	0.27	0.88	0.68	*	*	*	*
50	170.2	0.29	0.79	0.80	*	*	*	*

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	59 50.8N	149 28.6W	14 APR	1715	+10	268

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	157.7	0.28	0.71	0.21	0.36	2.91	31.60	2.6
20	161.0	0.27	0.63	*	*	2.91	31.59	2.7
60	226.4	0.41	0.67	0.43	0.55	3.25	31.81	3.8
96	254.0	0.47	0.51	0.47	0.58	3.39	31.93	4.3
184	169.5	T	0.44	0.43	0.42	4.22	32.28	2.9
254	205.2	T	0.43	0.36	0.40	4.59	32.66	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	59 24.3N	149 6.8W	15 APR	1310	+10	214

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	97.9	T	0.53	*	0.46	4.29	32.26	1.7
20	99.8	T	0.44	*	0.33	4.25	32.28	1.7
50	104.9	T	0.42	*	0.33	4.25	32.30	1.8
100	116.5	T	0.41	*	0.18	4.59	32.41	2.0
150	149.8	T	0.38	*	0.30	4.57	32.53	2.6
205	189.1	T	0.27	*	0.21	4.61	32.72	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	58 59.1N	148 41.2W	15 APR	1810	+10	241

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	94.4	T	0.57	0.11	0.45	4.52	32.31	1.6
18	93.8	T	0.50	0.07	0.29	4.52	32.35	1.6
57	92.5	T	0.45	0.07	0.35	4.45	32.37	1.6
97	115.8	T	0.35	0.09	0.24	4.64	31.97	2.0
143	129.5	T	0.37	0.08	0.25	4.70	32.94	2.3
236	121.6	T	0.42	0.14	0.16	5.06	33.50	2.2

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	58 24.9N	148 4.5W	16 APR	0010	+10	1410

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	89.1	T	0.44	0.06	0.26	4.61	32.29	1.5
19	89.7	T	0.44	0.05	0.27	4.63	32.30	1.5
58	109.3	T	0.36	0.08	0.21	4.90	32.51	1.9
96	113.6	T	0.35	*	0.33	4.66	32.81	2.0
192	158.2	T	0.44	0.12	T	5.72	33.56	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	58 11.4N	141 56.1W	28 APR	0915	+10	2000

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	74.0	T	0.57	*	0.18	4.83	32.61	1.3
19	74.4	0.15	0.61	*	0.21	4.75	32.60	1.3
60	71.1	0.15	0.62	*	0.16	4.25	32.71	1.2
99	73.0	0.14	0.44	*	0.20	4.50	33.33	1.3
201	69.5	T	0.42	*	0.16	4.20	33.84	1.2
400	49.4	T	0.28	*	0.14	4.06	34.05	0.8
600	13.6	T	0.15	*	0.10	3.61	34.19	0.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	58 46.0N	141 16.7W	28 APR	0345	+10	1800

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	73.6	T	0.68	*	*	5.56	32.42	1.3
22	74.0	0.15	0.60	*	*	5.49	32.44	1.3
62	76.3	0.16	0.60	*	*	5.00	32.63	1.3
101	70.6	T	0.61	*	*	4.20	32.68	1.2
202	108.9	0.21	0.40	0.14	0.20	5.74	33.76	2.0
399	73.0	*	0.30	0.07	0.09	4.27	33.95	1.3
602	37.8	T	0.06	0.09	0.15	3.88	34.10	0.6

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	59 16.7N	142 37.8W	23 APR	0015	+10	2377

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	82.0	0.37	0.95	0.10	0.41	5.15	32.08	1.4
20	81.1	0.18	0.50	0.11	T	4.95	32.09	1.4
60	81.4	0.18	0.43	0.10	T	4.90	32.07	1.4
101	118.8	0.18	0.33	0.10	T	5.20	32.27	2.1
200	102.0	0.19	0.33	0.12	*	4.99	32.71	1.8
400	81.5	0.11	0.21	0.26	*	4.54	33.92	1.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1501	59 35.6N	142 6.5W	23 APR	1800	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
179	128.1	0.24	0.40	0.21	0.22	4.99	32.94	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1502	59 35.6N	142 6.5W	23 APR	1045	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	85.2	0.22	0.99	0.12	0.50	5.45	32.02	1.5
19	125.7	1.41	0.53	0.40	0.27	5.04	32.00	2.2
59	*	*	0.41	0.09	0.22	5.00	32.17	*
100	128.6	0.28	0.35	0.22	0.21	5.20	32.45	2.3
178	*	*	0.43	0.17	0.17	4.68	32.93	*

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1503	59 35.6N	142 6.5W	23 APR	1250	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
170	189.3	0.20	0.39	0.14	0.23	5.05	33.18	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1504	59 35.6N	142 6.5W	23 APR	1415	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	88.0	0.22	1.49	0.16	0.73	6.01	31.95	1.6
57	125.9	0.20	0.47	0.11	0.24	4.88	32.11	2.2
100	213.6	0.17	0.36	0.22	0.25	5.17	32.34	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1505	59 35.6N	142 6.5W	23 APR	1610	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	*	1.52	0.16	0.81	5.92	32.06	*
189	132.6	0.20	0.39	0.15	0.18	4.91	32.95	2.3

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1506	59 35.6N	142 6.5W	23 APR	1845	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	89.1	0.25	1.13	0.12	0.58	5.58	31.99	1.6
19	*	*	0.49	0.13	0.25	5.08	32.05	*
58	*	*	0.43	0.18	0.25	4.84	32.11	*
100	257.7	0.20	0.31	*	*	5.15	31.70	4.6
196	127.4	0.22	0.37	*	*	4.77	32.86	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1507	59 35.6N	142 6.5W	23 APR	2020	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	*	1.26	0.13	0.64	5.79	32.03	*
200	135.0	0.22	0.42	0.13	T	5.29	33.23	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1508	59 35.6N	142 6.5W	23 APR	2200	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	*	1.30	0.13	0.69	5.86	32.01	*
19	*	*	0.49	0.11	0.28	*	*	*
60	86.4	0.20	0.46	0.10	0.25	4.99	32.09	1.5
100	164.8	0.21	0.35	0.09	0.27	5.10	32.31	2.9
177	*	*	0.38	0.15	0.21	4.97	32.85	*

CRUISE NUMBER
RP-4-D1-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1509	59 35.6N	142 6.5W	24 APR	0015	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	*	1.16	0.11	0.63	5.60	31.99	*
175	203.5	0.23	0.62	0.10	0.23	5.04	32.75	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1512	59 35.6N	142 6.5W	24 APR	0602	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	92.6	*	1.03	0.12	0.56	5.60	31.94	1.6
19	90.8	0.21	0.58	*	*	5.17	32.05	1.6
58	91.1	*	0.44	0.28	*	4.99	32.10	1.6
97	*	*	0.33	0.16	*	5.22	32.43	*
177	*	*	0.35	0.21	0.33	5.04	32.81	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1513	59 35.6N	142 6.5W	24 APR	0800	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	89.4	1.15	1.31	0.35	0.57	5.70	32.00	1.6
174	186.6	0.98	0.40	0.12	0.50	5.04	32.63	3.3

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1514	59 35.6N	142 6.5W	24 APR	1000	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	85.6	1.23	1.32	0.27	0.70	5.60	32.10	1.5
20	88.2	1.07	0.56	0.24	0.32	5.09	32.01	1.5
61	88.9	1.18	0.52	0.25	0.36	5.00	32.09	1.5
100	191.5	1.25	0.42	0.31	0.36	5.10	32.32	3.4
179	168.3	1.12	0.50	0.35	0.36	5.02	32.82	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1515	59 35.6N	142 6.5W	24 APR	1155	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	107.3	1.37	1.00	0.25	0.59	6.04	32.02	1.9
176	178.0	1.16	0.47	0.15	0.28	5.06	32.81	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1516	59 35.6N	142 6.5W	24 APR	1400	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	92.1	1.18	1.43	0.17	0.77	5.97	31.95	1.6
20	87.5	1.05	0.46	0.32	0.35	5.15	31.96	1.5
60	85.9	0.81	0.46	0.25	0.34	4.99	32.10	1.5
100	222.5	0.86	0.35	0.28	0.30	5.17	32.36	4.0
193	150.9	1.02	0.43	0.31	0.22	4.97	32.93	2.7

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1517	59 35.6N	142 6.5W	24 APR	1600	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	85.7	0.96	1.51	0.35	0.89	6.37	31.95	1.5
172	*	*	1.52	0.26	0.85	5.08	32.74	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1518	59 35.6N	142 6.5W	24 APR	1805	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	86.7	0.19	1.38	0.16	0.82	5.61	32.01	1.5
19	93.1	0.91	0.47	0.23	0.30	5.15	32.01	1.6
57	92.5	T	0.46	0.23	0.28	5.02	32.07	1.6
97	114.9	T	0.36	0.31	0.22	5.21	32.35	2.0
169	207.8	T	0.36	0.26	0.27	5.32	32.56	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1519	59 35.6N	142 6.5W	24 APR	2005	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	81.5	0.17	1.43	0.14	0.76	5.99	31.99	1.4
172	220.0	T	0.36	0.15	0.28	5.18	31.77	4.0

CRUISE NUMBER
RP-4-D1-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1520	59 35.6N	142 6.5W	24 APR	2200	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	80.6	0.15	1.49	0.22	1.05	6.04	32.00	1.4
19	81.5	T	0.54	0.14	0.40	5.11	32.02	1.4
60	85.2	T	0.49	0.17	0.34	4.97	32.11	1.5
100	166.3	0.16	0.25	0.21	0.69	5.21	32.44	3.0
177	215.6	T	0.38	0.16	0.34	5.13	32.77	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1521	59 35.6N	142 6.5W	25 APR	0005	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	86.1	0.15	1.34	0.27	1.03	5.86	31.99	1.5
176	206.4	T	0.41	0.12	0.33	5.21	32.70	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1522	59 35.6N	142 6.5W	25 APR	0200	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	86.3	T	1.38	0.23	1.05	5.86	32.02	1.5
20	86.4	T	0.72	0.33	0.65	5.27	32.03	1.5
60	93.4	T	0.45	0.34	0.52	4.93	32.09	1.6
100	131.6	T	0.39	0.21	0.41	5.17	32.47	2.3
182	207.8	0.16	0.38	0.32	0.48	5.11	32.61	3.7

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1523	59 35.6N	142 6.5W	25 APR	0505	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	83.1	0.17	1.28	0.12	0.83	5.85	31.97	1.5
20	88.6	T	0.58	0.11	0.42	5.15	32.04	1.5
59	102.6	T	0.50	0.11	0.32	5.24	32.18	1.8
98	227.5	T	0.35	0.15	0.27	5.26	32.40	4.1
172	110.8	T	0.36	0.11	0.27	5.15	32.73	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1524	59 35.6N	142 6.5W	25 APR	0700	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	85.0	T	1.12	0.28	0.96	5.70	31.93	1.5
170	221.6	T	0.36	0.25	0.46	5.13	32.74	4.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1525	59 35.6N	142 6.5W	25 APR	0900	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	86.4	0.15	1.24	0.25	0.96	5.77	31.93	1.5
19	106.2	T	0.54	0.27	0.54	5.22	32.08	1.9
60	108.4	T	0.46	0.16	0.41	5.29	32.24	1.9
100	96.6	T	0.44	0.12	0.33	4.91	32.52	1.7
173	210.6	*	*	*	*	5.18	32.75	3.8

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1526	59 35.6N	142 6.5W	25 APR	1105	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	93.6	0.36	1.21	0.09	0.71	5.58	31.99	1.7
178	175.9	*	0.66	0.31	0.24	5.11	32.93	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1527	59 35.6N	142 6.5W	25 APR	1305	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	91.9	0.45	1.21	0.10	0.79	5.63	31.96	1.6
20	99.0	T	0.54	0.17	0.41	5.18	32.04	1.7
58	110.8	T	0.44	0.18	0.40	5.31	32.19	2.0
98	126.2	T	0.37	0.23	0.31	5.23	32.41	2.2
173	226.6	T	0.40	0.11	0.30	5.15	32.73	4.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1528	59 35.6N	142 6.5W	25 APR	1500	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	92.2	T	1.00	0.17	0.79	5.54	31.95	1.6
170	217.4	T	0.38	0.12	0.30	5.13	32.74	3.9

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1529	59 35.6N	142 6.5W	25 APR	1700	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	91.5	T	0.91	0.17	0.59	5.51	32.02	1.6
19	95.2	T	0.65	0.35	0.46	5.34	32.00	1.7
59	108.3	T	0.45	0.32	0.29	5.22	32.16	1.9
98	134.8	T	0.42	0.14	0.38	5.30	32.40	2.4
167	228.7	T	0.38	0.17	0.33	5.17	32.76	4.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1530	59 35.6N	142 6.5W	25 APR	1900	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	89.6	T	0.86	0.22	0.53	5.36	*	*
175	214.6	T	0.40	0.12	0.40	5.13	32.73	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P1531	59 35.6N	142 6.5W	25 APR	2100	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	96.7	0.15	0.90	0.19	0.53	5.40	31.95	1.7
19	96.8	T	0.83	0.19	0.55	5.40	*	*
59	102.1	T	0.47	0.18	0.32	5.40	*	*
100	137.6	T	0.39	0.21	0.33	5.29	32.43	2.4
175	177.0	0.15	0.48	0.10	0.22	5.22	33.16	3.2

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	59 53.3N	141 53.5W	23 APR	0450	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	*	1.06	0.17	0.52	4.86	31.47	*
9	*	*	1.08	0.25	0.59	4.91	31.65	*
18	*	*	0.86	0.17	0.52	4.85	31.68	*
20	*	*	0.87	0.24	0.54	4.85	31.68	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	59 53.4N	143 54.6W	21 APR	0450	+10	88

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	215.2	0.25	0.60	0.21	T	4.81	31.67	3.8
11	204.5	0.19	0.55	0.22	0.42	4.91	32.03	3.6
19	209.5	0.20	0.56	0.16	0.44	4.90	32.03	3.7
39	240.4	0.18	0.54	0.12	0.43	4.88	32.04	4.2
82	133.1	0.19	0.52	0.27	0.47	4.97	32.10	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	59 34.5N	143 59.4W	22 APR	1745	+10	1200

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	79.2	0.23	1.30	0.13	*	5.95	31.93	1.4
19	81.5	0.19	0.47	0.12	*	5.15	32.23	1.4
59	89.8	0.20	0.37	0.12	*	5.08	32.49	1.6
99	142.6	0.23	0.35	0.13	*	4.93	32.84	2.5
203	104.4	0.22	0.37	0.14	*	5.45	33.55	1.9
400	77.8	0.33	0.17	0.16	*	4.22	33.97	1.3
599	36.4	T	*	0.10	*	3.89	34.12	0.6

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	59 13.9N	143 57.7W	22 APR	1115	+10	3933

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	44.6	0.13	0.76	0.08	T	4.86	32.54	0.7
20	76.1	0.19	0.54	0.12	*	4.54	32.66	1.3
60	75.3	0.19	0.48	0.11	*	3.82	32.78	1.3
100	77.3	0.16	0.39	0.12	*	*	*	*
200	84.4	0.17	0.42	0.12	*	*	*	*
400	56.2	T	0.23	0.05	*	*	*	*
600	30.5	T	0.15	0.10	*	3.70	34.18	0.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	59 16.5N	144 41.1W	20 APR	1815	+10	3000

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	76.9	0.25	1.02	0.16	0.42	5.85	32.20	1.4
21	80.4	0.22	0.54	0.13	0.31	4.93	32.50	1.4
59	81.6	0.23	0.54	*	0.25	4.65	32.58	1.4
101	87.2	0.22	0.41	0.24	0.19	4.61	32.91	1.5
196	97.0	0.21	0.40	0.26	T	5.15	33.78	1.7
393	*	0.20	0.16	0.20	*	4.09	34.00	*
600	27.9	T	0.09	0.13	*	3.72	34.14	0.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	59 36.5N	144 37.0W	20 APR	2050	+10	146

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	91.1	0.20	0.80	0.18	0.53	5.36	32.17	1.6
20	88.8	0.19	0.54	0.21	0.38	5.22	32.18	1.6
60	93.4	0.18	0.46	0.18	0.35	5.17	32.21	1.6
99	112.8	0.18	0.41	0.23	0.28	5.04	32.47	2.0
140	105.4	0.18	0.43	0.13	0.28	4.88	32.55	1.8

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RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	59 42.1N	144 41.2W	21 APR	0120	+10	130

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	132.6	0.22	0.98	0.16	0.61	5.22	32.05	2.3
20	89.6	0.18	0.55	0.12	0.39	5.08	32.11	1.6
60	95.4	0.17	0.52	0.17	0.42	5.02	32.14	1.7
122	97.1	0.18	0.52	0.20	0.40	5.02	32.14	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	59 52.4N	144 43.9W	19 APR	2120	+10	139

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	308.9	0.32	0.62	*	*	4.47	31.64	5.4
19	325.0	0.32	0.54	*	*	4.43	31.67	5.7
58	325.4	0.28	0.55	0.15	0.33	4.47	31.80	5.7
97	270.6	0.22	0.56	*	*	4.59	31.94	4.7
131	256.7	0.23	0.58	*	*	4.59	32.00	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	60 3.2N	144 45.5W	19 APR	1425	+10	203

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	181.2	0.31	0.83	*	*	4.22	31.76	3.1
20	192.2	0.28	0.70	*	*	4.11	31.78	3.3
60	278.2	0.26	0.74	*	*	4.09	31.88	4.8
100	232.8	0.25	0.66	*	*	4.16	32.05	4.0
190	189.3	0.24	0.66	*	*	4.74	32.43	3.3

CRUISE NUMBER
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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	60 7.0N	144 50.0W	19 APR	1015	+10	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	225.7	T	0.58	*	*	4.22	31.73	3.9
10	226.2	T	0.52	*	*	4.20	31.74	3.9
19	227.3	T	0.51	*	*	4.18	31.74	3.9
40	280.0	T	0.53	*	*	4.12	31.85	4.8
60	268.2	T	0.54	*	*	4.18	31.89	4.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	60 0.6N	145 7.9W	19 APR	0830	+10	86

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	217.1	T	0.57	*	*	4.04	31.78	3.7
10	220.2	T	0.55	*	*	4.02	31.67	3.8
20	221.9	T	0.52	*	*	4.02	31.86	3.8
40	221.7	T	0.49	*	*	4.03	31.68	3.8
80	241.4	T	0.51	T	0.32	4.06	31.70	4.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	59 57.6N	145 7.8W	19 APR	1735	+10	143

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	180.7	0.27	0.76	*	*	4.22	31.79	3.1
17	177.1	0.26	0.79	*	*	4.24	31.83	3.1
57	179.4	0.23	0.65	0.27	0.41	4.09	31.83	3.1
96	249.9	0.26	0.58	*	*	4.11	32.02	4.3
135	288.7	0.25	0.62	0.22	0.37	4.29	31.71	5.0

CRUISE NUMBER
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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	59 46.9N	145 11.6W	19 APR	2340	+10	165

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	285.1	0.24	0.58	*	*	4.49	31.89	5.0
19	271.2	0.22	0.55	*	*	4.54	31.91	4.7
60	259.2	0.23	0.58	*	*	4.63	31.97	4.5
100	200.0	0.21	0.50	*	*	4.38	32.03	3.5
155	389.6	0.23	0.45	*	*	4.36	32.16	6.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	59 37.5N	145 12.6W	20 APR	0250	+10	117

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	137.9	0.21	0.71	*	*	4.70	32.02	2.4
19	141.9	0.20	0.66	*	*	4.77	32.04	2.5
58	160.5	0.18	0.55	*	*	4.72	32.08	2.8
109	186.1	0.26	0.55	*	*	4.56	32.12	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	59 18.4N	145 17.2W	20 APR	0635	+10	2000

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	81.1	0.22	0.63	*	*	4.93	32.47	1.4
20	80.6	0.19	0.63	*	*	4.91	32.48	1.4
60	100.5	0.22	0.59	*	*	4.60	32.72	1.7
98	101.9	0.24	0.55	*	*	5.04	33.14	1.8
196	112.0	0.24	0.56	0.28	0.14	5.54	33.74	2.0

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	59 40.4N	145 53.0W	18 APR	0840	+10	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	218.6	T	0.49	T	0.32	4.56	32.10	3.8
10	218.4	T	0.46	T	0.31	4.56	32.09	3.8
19	223.7	T	0.49	0.08	0.24	4.56	32.09	3.9
38	228.1	T	0.53	T	0.24	4.56	32.11	4.0
70	231.5	T	0.50	T	0.26	4.57	32.11	4.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	59 51.7N	145 54.1W	18 APR	1035	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	154.6	T	0.53	T	0.31	4.25	31.96	2.7
20	155.4	T	0.48	T	0.24	4.25	32.05	2.7
69	201.2	T	0.45	*	0.24	4.24	32.13	3.5
92	188.9	T	0.45	*	*	4.31	32.13	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	60 0.6N	145 50.4W	18 APR	1545	+10	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	134.0	T	0.51	*	*	4.22	31.99	2.3
10	134.1	T	0.51	*	0.38	4.22	32.01	2.3
20	132.2	T	0.51	0.17	0.32	4.22	32.00	2.3
40	133.2	T	0.49	0.14	0.35	4.27	32.03	2.3
74	138.2	T	0.49	0.17	0.31	4.29	32.10	2.4

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM035	60 10.5N	145 58.9W	18 APR	1845	+10	106

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	157.6	T	0.53	*	*	3.93	31.87	2.7
19	156.0	T	0.50	0.20	0.29	3.93	31.87	2.7
36	184.0	T	0.45	*	*	3.73	31.88	3.1
58	174.2	T	0.46	0.14	0.34	3.75	31.89	3.0
95	151.9	T	0.48	0.16	0.38	3.93	32.00	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	60 11.0N	145 32.4W	19 APR	0210	+10	69

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	261.1	T	0.57	*	*	3.82	31.81	4.5
20	254.4	T	0.46	*	*	3.95	31.70	4.4
40	280.3	T	0.47	*	*	3.89	31.70	4.8
61	326.9	T	0.49	*	*	3.89	31.69	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	60 9.3N	145 22.3W	19 APR	0605	+10	58

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	210.1	T	0.44	*	*	4.00	31.81	3.6
10	204.4	T	0.46	*	*	4.02	31.70	3.5
20	193.6	T	0.46	*	*	4.04	31.70	3.3
53	188.3	T	0.46	0.18	0.31	4.05	31.69	3.2

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LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	60 16.2N	145 44.6W	18 APR	2045	+10	47

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	310.6	T	0.53	0.09	0.33	3.82	31.47	5.3
10	308.0	T	0.49	*	*	3.82	31.48	5.3
19	286.8	T	0.50	*	*	3.80	31.54	4.9
43	221.3	T	0.51	T	0.29	3.80	31.61	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	60 18.3N	145 59.3W	18 APR	2215	+10	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	290.6	T	0.48	*	*	3.73	31.42	5.0
10	289.6	T	0.48	*	*	3.73	31.41	4.9
19	283.4	T	0.47	*	*	3.73	31.43	4.8
35	291.5	T	0.50	0.05	0.32	3.77	31.43	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	60 31.8N	146 46.7W	16 APR	2145	+10	396

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	163.8	T	0.49	0.08	0.31	3.48	31.84	2.8
19	162.3	T	0.48	0.08	0.31	3.43	31.86	2.7
58	172.0	T	0.46	0.11	0.28	3.37	31.88	2.9
99	213.5	T	0.36	0.07	0.26	3.52	31.95	3.6
196	232.3	T	0.35	0.05	0.29	4.02	32.16	4.0
382	114.6	T	0.54	0.22	0.25	4.99	32.86	2.0

CRUISE NUMBER
RP-4-D1-75A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	60 21.7N	146 52.9W	17 APR	0600	+10	281

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	188.8	0.23	0.45	0.19	0.26	3.59	31.84	3.2
11	184.2	T	0.47	0.11	0.28	3.57	31.85	3.1
59	194.8	T	0.49	0.11	0.28	3.57	31.89	3.3
98	*	*	0.35	0.08	0.25	3.59	31.93	*
146	199.4	T	0.43	0.07	0.32	3.59	31.99	3.4
277	201.5	T	0.42	0.14	0.29	4.38	32.33	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	60 15.0N	146 48.9W	17 APR	1045	+10	222

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	196.5	T	0.57	0.09	0.31	3.94	31.78	3.4
19	183.2	T	0.54	0.16	0.42	3.86	31.83	3.1
59	180.7	T	0.50	0.13	0.32	3.84	31.82	3.1
98	185.4	T	0.47	0.20	0.35	3.82	31.85	3.2
147	191.0	T	0.48	0.17	0.47	3.79	31.86	3.3
214	213.8	T	0.55	0.20	0.41	3.91	32.04	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	60 4.0N	146 43.5W	17 APR	1615	+10	124

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	249.9	T	0.63	0.24	0.48	*	*	*
18	282.3	0.41	0.49	0.11	0.22	*	*	*
38	283.0	0.23	0.48	0.15	0.27	*	*	*
57	294.4	T	0.49	0.22	0.35	*	*	*
96	398.2	T	0.52	0.07	0.25	*	*	*
115	*	T	0.50	0.19	0.33	*	*	*

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM046	59 55.2N	146 35.8W	17 APR	1830	+10	66

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	121.9	T	0.52	*	*	4.43	32.08	2.1
10	124.5	T	0.49	*	*	4.43	32.08	2.1
24	125.1	T	0.47	*	*	4.43	32.07	2.2
38	124.4	T	0.46	*	*	4.38	32.09	2.1
57	121.6	T	0.51	*	*	4.40	32.09	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	59 45.2N	146 34.2W	17 APR	2030	+10	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	207.6	T	0.48	*	*	4.45	32.10	3.6
9	208.4	T	0.50	*	*	4.45	32.10	3.6
19	206.7	T	0.53	*	*	4.45	32.08	3.6
38	208.0	T	0.45	*	*	4.40	32.11	3.6
65	205.0	T	0.45	*	*	4.40	32.10	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	59 14.0N	146 17.0W	18 APR	0550	+10	360

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	94.9	T	0.53	*	0.29	4.90	32.20	1.6
21	102.1	T	0.51	*	0.39	5.02	32.33	1.8
55	107.0	T	0.47	T	0.36	5.04	32.41	1.9
98	81.2	T	0.49	*	0.26	4.99	32.46	1.4
193	93.9	T	0.46	0.07	0.22	5.52	33.38	1.7
354	76.8	T	0.32	0.10	T	4.49	31.93	1.3

CRUISE NUMBER
RP-4-DI-76A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
13 APR-30 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM049	59 46.2N	147 4.4W	16 APR	1530	+10	210

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	145.2	T	0.57	0.09	0.33	4.47	32.13	2.5
20	147.7	T	0.48	0.09	0.32	4.41	32.13	2.6
60	167.1	T	0.49	0.08	0.27	4.38	32.13	2.9
100	310.8	T	0.41	0.08	0.28	4.11	32.15	5.4
161	330.8	T	0.42	0.09	0.29	4.27	32.24	5.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM050	60 4.3N	147 5.6W	17 APR	1315	+10	274

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	*	T	0.57	0.08	*	3.84	31.89	*
19	205.7	T	0.52	0.20	0.43	3.89	31.96	3.5
59	200.1	T	0.53	0.21	*	3.93	31.98	3.4
95	216.8	T	0.49	0.11	0.31	4.27	32.09	3.8
254	396.6	T	0.68	0.31	0.92	4.20	32.14	6.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM051	59 50.5N	148 7.8W	16 APR	1010	+10	132

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	216.1	0.59	0.46	0.21	0.27	3.66	32.00	3.7
11	217.9	0.59	0.45	0.18	0.28	3.64	32.01	3.7
20	217.1	0.59	0.43	0.22	0.32	3.64	32.01	3.7
38	216.4	0.58	0.48	0.21	0.24	3.66	31.99	3.7
118	302.4	0.85	0.47	0.37	0.50	3.80	32.03	5.2

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	59 50.2N	149 31.0W	29 JUL	1215	+ 9	208

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	201.2	0.63	3.12	0.37	1.48	12.52	26.36	4.1
11	236.2	1.94	3.38	0.63	1.67	11.86	30.58	4.9
20	222.2	1.04	3.30	0.62	1.14	10.86	31.58	4.5
60	339.9	0.94	1.17	0.38	0.34	5.44	31.78	6.1
102	291.5	0.38	0.71	0.18	0.22	5.12	32.07	5.2
154	333.2	0.39	0.49	0.18	0.21	4.70	32.48	5.9
202	394.5	0.30	0.63	0.16	0.27	5.06	32.84	7.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	59 23.9N	149 9.2W	29 JUL	1820	+ 9	197

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	98.6	0.43	2.16	0.42	0.83	11.95	31.61	2.0
20	123.5	0.41	2.29	0.38	0.44	9.43	32.15	2.4
62	158.2	0.28	0.67	0.18	0.23	6.00	32.35	2.9
102	388.6	0.28	0.50	0.15	0.23	5.01	32.50	6.9
153	402.8	0.24	0.57	0.15	0.21	5.05	32.64	7.2
193	312.4	0.21	0.55	0.14	T	5.08	32.90	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	58 59.5N	148 38.4W	29 JUL	2100	+ 9	238

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	68.8	0.30	2.16	0.31	0.79	12.80	32.11	1.4
21	92.5	0.37	2.14	0.36	0.51	10.04	32.03	1.8
62	100.5	0.25	0.99	0.20	0.21	5.92	32.65	1.8
102	104.9	0.24	0.68	0.16	0.15	5.04	32.76	1.8
153	128.2	0.23	0.44	0.15	0.14	4.94	33.20	2.3
229	102.3	0.23	*	0.11	T	5.07	33.72	1.8

CRUISE NUMBER
RP-4-DI-768-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	58 23.5N	148 7.7W	30 JUL	0345	+ 9	1360

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	96.9	0.51	2.35	0.43	0.72	12.49	31.77	2.0
62	151.4	0.29	1.04	0.20	0.70	6.86	32.30	2.8
101	145.2	0.25	0.76	0.16	0.26	5.93	32.58	2.6
203	93.1	0.20	0.39	0.14	0.08	5.41	33.76	1.7
406	67.0	0.28	0.12	0.09	0.21	4.05	34.05	1.1
608	33.6	*	0.07	T	0.21	3.72	34.13	0.5
808	18.3	0.28	T	T	T	3.48	34.27	0.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	58 45.9N	141 12.3W	21 JUL	1140	+ 9	1485

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	79.1	0.70	2.97	0.37	1.24	14.09	31.58	1.7
22	93.5	0.56	2.55	0.44	0.80	9.55	31.87	1.8
62	304.8	0.69	1.13	0.32	0.34	6.26	32.17	5.6
102	231.6	0.38	0.88	0.23	0.29	6.02	32.55	4.2
197	212.1	0.43	0.49	0.20	0.12	5.79	33.67	3.9
404	83.0	0.10	0.21	0.37	0.08	4.26	34.01	1.4
602	64.3	T	0.08	0.14	T	3.93	34.05	1.1
802	37.8	T	0.11	0.14	0.06	6.64	34.21	0.7

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	59 17.3N	140 30.3W	21 JUL	1825	+ 9	133

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
7	78.7	0.46	3.14	0.34	1.43	14.13	31.47	1.7
22	92.1	0.56	3.12	0.50	0.82	12.53	31.60	1.9
65	121.4	0.40	1.51	0.25	0.52	6.60	32.28	2.2
101	245.9	0.35	0.97	0.21	0.25	5.96	32.56	4.5
126	518.5	0.27	0.82	0.17	0.26	5.60	32.59	9.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	59 34.5N	140 5.8W	21 JUL	2015	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1471.2	9.95	2.35	3.97	0.93	10.23	28.80	29.3
12	183.5	1.36	1.57	0.37	0.25	7.49	31.82	3.4
21	236.4	0.34	1.10	0.22	0.26	6.36	32.01	4.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM010	59 38.5N	140 57.0W	21 JUL	2320	+ 9	71

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	338.2	2.07	2.52	1.11	1.25	13.62	27.58	7.2
12	2075.1	12.56	1.58	5.90	0.62	6.45	29.87	38.0
22	751.8	3.53	1.59	1.90	0.44	7.20	31.49	14.1
39	243.1	1.18	1.28	0.51	0.22	6.94	31.88	4.5
64	299.3	0.35	1.06	0.23	0.29	6.20	32.11	5.5

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM011	59 25.4N	141 13.7W	22 JUL	0230	+ 9	331

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	71.7	0.38	2.72	0.29	1.38	14.85	29.61	1.5
28	107.9	0.62	2.07	0.46	0.22	8.45	31.81	2.1
56	151.0	0.31	0.93	0.20	0.24	6.01	32.26	2.7
103	360.3	0.27	0.75	0.18	0.28	5.38	32.63	6.5
153	183.3	0.29	0.53	0.18	0.17	5.41	33.18	3.3
322	107.1	0.19	0.35	0.14	0.08	4.61	33.96	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM012	59 14.0N	141 24.2W	22 JUL	0625	+ 9	340

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	67.5	0.29	2.32	0.38	1.11	14.35	31.14	1.5
23	107.9	0.53	1.91	0.41	0.14	8.05	32.10	2.0
59	248.0	0.33	1.11	0.21	0.26	6.42	32.17	4.6
105	169.9	0.31	0.96	0.19	0.30	6.20	32.34	3.1
152	169.1	0.26	0.64	0.16	0.22	5.44	32.96	3.0
336	95.5	T	0.35	0.14	0.09	4.63	33.91	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM013	59 1.5N	141 40.5W	22 JUL	0930	+ 9	1100

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
23	92.9	0.42	1.34	0.25	0.16	7.21	31.86	1.7
40	98.3	0.28	0.96	0.21	0.35	6.72	31.98	1.8
62	171.8	0.30	0.97	0.22	0.32	6.51	32.20	3.2
106	226.5	0.31	1.13	0.20	0.32	6.06	32.51	4.1
206	130.6	0.23	0.47	0.19	0.18	5.61	33.35	2.3
407	63.6	*	0.33	0.13	0.10	4.16	33.89	1.1
504	58.3	2.24	0.07	0.15	0.08	4.02	34.11	1.0

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	59 17.2N	142 44.5W	22 JUL	1430	+ 9	2000

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	69.6	0.41	2.64	0.40	1.29	13.50	32.03	1.5
20	72.9	0.36	2.57	0.46	1.23	11.89	32.24	1.5
61	101.0	0.30	0.94	0.21	0.36	6.39	32.54	1.8
100	106.0	0.28	0.66	0.20	0.30	5.69	32.89	1.9
200	102.3	0.24	0.46	0.18	0.10	5.35	33.87	1.8
407	60.1	0.09	0.23	0.10	T	4.18	33.99	1.0
602	38.0	T	0.07	0.07	0.14	3.85	34.16	0.6
808	17.9	0.21	0.19	0.10	T	3.41	34.26	0.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM015	59 34.9N	142 9.2W	22 JUL	1750	+ 9	184

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	70.4	0.34	2.71	0.28	1.19	14.09	31.40	1.5
24	75.2	0.37	2.67	0.37	0.99	10.08	31.76	1.5
59	162.0	0.27	0.88	0.16	0.28	6.04	32.01	2.9
101	245.9	0.28	0.75	0.30	0.31	5.76	32.47	4.5
177	150.6	0.28	0.51	0.17	0.15	5.45	33.51	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	59 48.8N	142 5.2W	22 JUL	2010	+ 9	86

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	524.5	1.75	2.87	1.92	1.35	12.70	28.25	11.0
12	166.4	1.01	2.94	0.75	0.76	11.03	31.42	3.4
22	135.2	0.36	1.31	0.27	0.30	6.91	31.94	2.5
41	242.3	0.30	0.99	0.20	0.29	6.19	32.05	4.4
79	231.9	0.29	0.83	0.21	0.29	5.91	32.17	4.2

CRUISE NUMBER
RP-4-DI-768-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	59 53.8N	143 54.3W	23 JUL	0200	+ 9	84

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	305.6	0.87	2.15	0.83	1.17	13.08	28.78	6.5
21	110.4	0.54	2.34	0.45	0.43	9.16	31.97	2.1
41	408.9	0.34	1.00	0.25	0.31	6.28	32.04	7.5
61	254.8	0.35	0.81	0.19	0.28	6.07	32.16	4.6
77	639.5	0.28	0.85	0.21	0.27	6.02	32.19	11.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	59 34.0N	143 56.7W	23 JUL	0700	+ 9	940

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	63.8	0.30	2.10	0.23	0.94	13.65	31.59	1.4
22	87.8	0.42	1.41	0.29	0.10	7.46	31.92	1.6
62	285.7	0.30	0.99	0.18	0.27	6.29	32.11	5.2
102	266.8	0.27	0.88	0.18	0.31	6.11	32.31	4.9
205	131.7	0.24	0.48	0.15	0.13	5.45	33.41	2.4
402	83.2	0.13	0.28	0.11	0.10	4.33	33.96	1.4
607	50.1	T	0.13	0.09	T	3.89	34.13	0.8
809	31.6	T	0.11	0.06	T	3.55	34.25	0.5

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	59 14.3N	144 0.1W	23 JUL	1200	+ 9	2129

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	63.2	0.32	2.58	0.29	1.27	12.93	32.46	1.3
27	76.2	0.38	2.30	0.46	0.96	8.60	32.69	1.5
60	73.6	0.27	0.98	0.21	0.18	5.60	32.70	1.3
101	84.5	0.25	0.53	0.14	0.19	5.17	33.02	1.5
207	78.5	T	0.41	0.15	0.08	4.99	33.87	1.4
405	60.1	0.09	*	0.08	T	3.93	34.00	1.0
606	28.9	T	*	0.10	T	3.65	34.13	0.5
811	12.4	0.15	0.14	0.12	0.10	3.33	34.30	0.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	59 15.0N	144 42.2W	23 JUL	1715	+ 9	2000

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	70.3	0.57	2.71	0.41	1.30	13.33	32.24	1.5
21	74.9	0.39	2.27	0.47	0.90	9.21	32.37	1.4
62	100.0	0.25	0.76	0.17	0.28	6.11	32.62	1.8
102	75.2	0.23	0.62	0.14	0.21	4.53	32.84	1.3
203	85.0	0.16	0.45	0.12	0.07	5.14	33.89	1.5
405	52.0	T	*	0.08	T	3.98	34.06	0.9
606	23.3	T	0.19	0.08	T	3.64	34.22	0.4
808	15.5	T	0.19	0.07	0.11	3.35	34.28	0.2

CRUISE NUMBER
RP-4-DI-768-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	59 36.6N	144 35.9W	23 JUL	2020	+ 9	146

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	62.2	0.27	2.22	0.25	1.00	13.70	31.62	1.3
21	85.2	0.52	2.58	0.43	0.59	7.92	32.00	1.6
40	128.9	0.31	1.03	0.21	0.30	6.63	31.93	2.4
61	142.0	0.25	0.90	0.16	0.29	6.29	32.22	2.6
100	245.9	0.24	0.74	0.16	0.29	5.84	32.35	4.5
138	202.9	0.25	0.73	0.18	0.31	5.49	32.59	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	59 41.6N	144 42.4W	24 JUL	0000	+ 9	139

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	149.6	0.48	2.25	0.38	1.00	13.34	31.07	3.2
21	155.6	0.49	2.21	0.40	0.47	9.87	31.87	3.1
62	208.6	0.31	0.86	0.18	0.27	6.13	32.13	3.8
102	488.3	0.50	0.77	0.25	0.26	5.94	32.26	8.9
133	524.5	0.36	0.76	0.19	0.26	5.83	32.38	9.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT.	BOTTOM DEPTH
PM023	59 52.8N	144 43.2W	24 JUL	0255	+ 9	150

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	170.1	0.52	1.89	0.42	0.94	13.27	28.92	3.6
21	264.7	0.58	2.52	0.54	0.75	10.67	31.26	5.4
61	264.7	0.33	0.80	0.19	0.24	5.52	31.92	4.8
102	756.8	0.30	0.77	0.17	0.25	5.45	32.24	13.7
138	215.2	0.28	0.60	0.16	0.24	5.13	32.68	3.8

CRUISE NUMBER
RP-4-DI-768-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	60 3.2N	144 47.4W	24 JUL	0545	+ 9	196

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	206.0	0.47	1.96	0.38	1.04	13.53	28.63	4.4
21	284.6	0.66	2.78	0.56	0.87	10.93	30.58	5.8
62	930.1	0.35	1.07	0.25	0.33	5.83	31.99	17.0
102	456.6	0.26	0.65	0.14	0.29	5.01	32.19	8.1
188	171.1	0.34	0.61	0.21	0.22	5.03	32.98	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	60 8.2N	144 49.5W	24 JUL	0815	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	183.1	0.49	2.22	0.45	1.43	13.85	30.78	4.0
11	254.1	0.63	2.49	0.57	1.28	13.67	29.06	5.4
20	365.6	0.66	2.70	0.65	0.99	11.89	30.67	7.6
41	632.7	0.46	1.45	0.34	0.41	7.27	31.87	11.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	60 7.1N	145 8.8W	24 JUL	1050	+ 9	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	107.0	0.34	2.36	0.31	1.19	13.56	29.74	2.3
10	232.2	0.62	2.60	0.51	1.04	12.51	30.62	4.9
21	386.6	0.59	2.25	0.54	0.64	9.40	31.45	7.7
41	521.7	0.39	1.18	0.28	0.39	6.59	31.90	9.7
67	628.9	0.29	0.97	0.19	0.29	5.94	32.13	11.5

CRUISE NUMBER
RP-4-DI-768-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	59 58.6N	145 4.5W	24 JUL	1540	+ 9	140

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	110.8	0.41	3.11	0.38	1.54	14.06	30.04	2.4
21	259.0	0.55	2.00	0.43	0.55	8.62	31.54	5.0
62	457.8	0.30	0.87	0.18	0.24	5.41	32.04	8.2
102	754.2	0.29	0.68	0.15	0.27	5.15	32.22	13.5
137	334.3	0.30	0.67	0.14	0.24	5.15	32.56	6.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	59 48.5N	145 12.3W	24 JUL	1820	+ 9	159

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	333.3	0.90	2.76	0.72	1.40	13.46	28.61	7.1
21	324.6	0.80	2.48	0.61	0.95	12.60	29.96	6.8
62	205.5	0.28	0.96	0.21	0.19	6.32	32.14	3.8
102	458.9	0.25	0.75	0.15	0.14	5.86	32.35	8.4
146	278.3	0.27	0.65	0.15	0.26	5.17	32.59	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	59 36.0N	145 13.9W	25 JUL	0525	+ 9	117

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	105.9	0.58	2.48	0.39	1.16	13.41	31.12	2.3
12	70.1	0.30	2.21	0.28	0.87	13.32	31.63	1.5
21	262.0	0.46	1.93	0.43	0.36	8.54	31.78	5.1
61	648.4	0.29	0.78	0.19	0.25	5.72	32.04	11.8
103	431.9	0.26	0.70	0.19	0.27	5.63	32.46	7.8

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	59 18.6N	145 18.2W	25 JUL	1045	+ 9	2195

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	63.2	0.31	2.44	0.47	1.11	14.06	31.83	1.4
21	96.7	0.43	1.64	0.41	0.26	8.92	31.92	1.9
62	92.8	0.31	1.23	0.33	0.35	7.31	32.43	1.7
103	83.3	0.30	0.71	0.37	*	5.58	32.72	1.5
204	91.7	0.25	0.35	0.15	T	5.53	33.85	1.6
406	73.2	0.14	0.12	0.12	T	4.21	34.09	1.3
606	29.6	0.10	0.07	0.10	T	3.73	34.19	0.5
808	27.5	T	T	0.07	T	3.41	34.26	0.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	59 39.7N	145 56.2W	27 JUL	0630	+ 9	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	113.1	0.33	2.10	0.34	0.81	12.95	31.22	2.4
13	125.2	0.33	1.98	0.31	0.78	12.92	31.17	2.6
21	135.6	0.36	2.20	0.35	0.83	12.55	31.19	2.9
41	336.9	0.35	0.91	0.21	0.25	8.11	31.74	6.5
70	594.3	0.30	0.84	0.19	0.27	5.63	31.98	10.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	59 52.1N	145 57.8W	27 JUL	0830	+ 9	100

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	111.5	0.34	2.09	0.33	0.83	13.14	30.85	2.4
12	141.3	0.48	2.53	0.45	0.76	11.87	30.93	2.9
21	242.5	0.57	1.98	0.48	0.37	8.60	31.63	4.7
41	611.2	0.26	0.84	0.17	0.26	5.90	31.94	11.2
92	449.9	0.29	2.41	0.42	0.20	5.46	32.28	8.1

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	60 1.3N	145 53.2W	27 JUL	1115	+ 9	82

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	120.7	0.40	2.11	0.36	0.84	12.88	30.83	2.5
11	164.3	0.68	2.27	0.46	0.73	12.06	30.97	3.4
21	271.7	0.43	1.51	0.31	0.35	7.22	31.74	5.1
41	547.8	0.36	0.87	0.20	0.29	5.58	32.03	9.9
76	880.8	0.38	0.86	0.18	0.26	5.35	32.09	15.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM035	60 11.7N	145 58.5W	27 JUL	1350	+ 9	109

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	113.0	0.40	2.27	0.36	1.04	13.73	29.47	2.4
12	165.6	0.53	2.52	0.51	0.86	13.32	30.13	3.5
22	265.2	0.63	1.93	0.50	0.41	8.59	31.59	5.1
41	275.8	0.53	1.29	0.29	0.33	6.56	31.72	5.1
82	873.3	0.35	0.82	0.20	0.27	5.31	32.08	15.7
106	1349.1	0.38	0.87	0.20	0.29	5.18	32.26	24.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	60 10.9N	145 35.7W	27 JUL	1710	+ 9	91

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	205.0	0.41	1.63	0.35	0.86	13.85	27.72	4.4
14	193.2	0.40	1.86	0.37	0.90	13.56	29.19	4.1
23	297.8	0.67	2.78	0.68	0.96	11.70	30.87	6.2
40	854.5	0.73	1.80	0.68	0.70	7.65	31.56	16.3
87	845.6	0.45	0.88	0.30	0.28	5.77	32.14	15.4

CRUISE NUMBER
RP-4-DI-76B-1

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	60 9.5N	145 20.3W	27 JUL	1900	+ 9	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	244.9	0.61	1.79	0.50	1.32	13.45	28.93	5.2
13	183.8	0.42	1.84	0.38	0.92	13.38	29.49	3.9
22	515.6	0.49	1.57	0.38	0.46	10.08	31.12	10.4
42	360.6	0.70	2.34	0.59	0.64	7.93	31.63	6.9
61	1135.1	0.46	1.27	0.29	0.44	6.53	32.00	21.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	60 16.0N	145 44.2W	27 JUL	2040	+ 9	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	182.8	0.33	1.40	0.29	0.73	13.89	26.84	3.9
11	181.0	0.33	1.59	0.31	0.86	13.87	27.53	3.8
21	206.0	0.34	2.66	0.34	0.90	13.89	28.05	4.4
42	391.0	0.63	1.98	0.48	0.46	8.92	31.47	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	60 18.9N	146 2.0W	27 JUL	2145	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	183.0	0.37	1.71	0.33	0.86	13.69	22.91	3.8
11	168.9	0.35	1.60	0.29	0.80	13.78	27.73	3.6
20	210.5	0.50	2.21	0.45	0.99	13.32	29.41	4.5

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	60 33.0N	146 26.2W	28 JUL	0210	+ 9	112

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	143.6	0.38	2.14	0.32	1.12	13.72	25.74	3.0
20	499.0	0.93	2.95	0.68	0.91	9.00	30.23	9.7
62	316.0	0.63	0.84	0.28	0.32	4.59	31.71	5.5
82	272.2	0.33	0.42	0.18	0.26	3.81	31.89	4.7
112	391.9	0.37	0.48	0.19	0.27	4.22	32.12	6.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	60 31.8N	146 47.0W	28 JUL	0745	+ 9	408

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	115.0	0.44	2.78	0.46	1.41	13.73	27.87	2.4
21	319.9	0.87	3.13	0.71	0.69	9.01	30.34	6.2
61	237.4	0.41	0.82	0.20	0.28	4.18	31.83	4.1
103	186.3	0.30	0.55	0.17	0.21	3.88	32.02	3.2
205	251.3	0.23	0.60	0.15	0.38	4.84	32.56	4.5
306	234.1	0.24	0.57	0.16	0.24	4.95	32.79	4.2
406	200.7	0.26	0.54	0.17	0.22	4.95	32.93	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	60 31.7N	146 47.3W	28 JUL	1015	+ 9	285

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	212.0	0.38	1.94	0.37	0.87	12.81	26.42	4.4
22	455.0	1.16	2.19	0.57	0.65	7.65	31.20	8.6
62	266.3	0.47	0.87	0.25	0.32	4.52	31.79	4.7
102	221.0	0.39	0.67	0.19	0.25	3.95	31.87	3.8
203	239.1	T	0.56	0.17	0.25	4.66	32.39	4.2
279	215.0	0.26	0.55	0.18	0.21	4.96	32.80	3.8

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	60 15.0N	146 50.6W	28 JUL	1315	+ 9	249

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	234.1	0.36	1.33	0.27	0.65	13.77	22.86	4.8
21	192.2	0.47	2.19	0.40	0.77	11.99	30.21	4.0
62	227.9	0.48	1.94	0.34	0.77	5.97	31.75	4.1
102	613.7	0.39	0.88	0.25	0.32	5.27	32.17	11.0
204	446.2	0.31	0.65	0.18	0.24	5.06	32.51	8.0
248	424.9	0.28	0.60	0.19	0.21	5.10	32.67	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	60 4.7N	146 46.1W	28 JUL	1820	+ 9	115

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	151.1	*	*	*	0.98	13.84	28.06	3.2
21	410.0	0.66	1.69	0.39	0.51	7.24	31.39	7.7
62	571.4	0.39	1.01	0.22	0.32	5.56	31.89	10.3
98	1400.7	*	0.82	0.20	0.28	5.21	32.24	25.2
111	1265.2	0.38	0.79	0.20	0.26	5.25	32.19	22.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM046	59 55.1N	146 36.7W	28 JUL	2010	+ 9	63

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	153.9	0.38	2.11	0.31	0.98	12.85	28.64	3.2
11	332.4	0.70	2.46	0.54	0.65	9.27	31.20	6.5
21	443.5	0.48	1.53	0.32	0.47	6.78	31.81	8.3
41	507.0	0.41	1.20	0.25	0.31	6.16	31.98	9.3
59	497.0	0.37	1.14	0.26	0.42	6.06	31.97	9.1

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	59 46.1N	146 33.3W	28 JUL	2150	+ 9	69

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	129.2	0.33	2.38	0.32	0.94	13.00	30.55	2.7
11	138.9	0.34	1.95	0.33	0.75	12.35	31.07	2.9
21	278.6	0.58	1.98	0.45	0.60	9.03	30.78	5.4
41	532.2	0.37	1.13	0.28	0.28	6.11	32.00	9.8
63	507.2	*	1.45	0.25	0.35	5.82	32.06	9.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	59 15.8N	146 19.3W	27 JUL	0200	+ 9	283

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	67.7	0.30	2.15	0.27	0.93	13.56	31.83	1.4
21	98.5	0.60	1.63	0.43	0.11	7.82	31.77	1.8
62	208.7	0.28	0.79	0.16	0.26	6.29	32.24	3.8
103	140.9	0.30	0.75	0.19	0.30	5.83	32.58	2.5
204	122.6	0.25	0.39	0.17	0.09	5.64	33.52	2.2
283	93.8	0.20	0.35	0.12	T	4.98	33.88	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM049	59 47.0N	147 7.1W	29 JUL	0300	+ 9	197

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	151.3	0.40	2.27	0.34	1.03	13.06	27.96	3.2
21	142.5	0.30	2.02	0.29	0.82	11.96	31.40	3.0
62	469.2	0.35	1.13	0.21	0.33	6.11	32.03	9.0
102	331.6	0.33	0.98	0.21	0.36	6.05	32.17	6.1
193	740.9	0.25	0.59	0.14	0.27	5.18	33.03	13.4

CRUISE NUMBER
RP-4-DI-76B-I

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
19 JUL-31 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM050	60 4.4N	147 2.3W	29 JUL	0100	+ 9	224

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	162.6	0.37	1.93	0.31	1.01	13.31	27.21	3.4
22	390.3	0.85	2.16	0.47	0.81	8.45	30.73	7.5
62	500.6	0.50	1.14	0.30	0.42	5.61	31.86	9.1
203	567.4	0.31	0.63	0.17	0.23	5.16	32.74	10.2
219	601.9	0.30	0.60	0.16	0.31	5.14	32.86	10.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM051	59 49.5N	148 10.5W	29 JUL	0705	+ 9	128

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	261.0	0.74	2.39	0.48	1.07	11.72	29.40	5.4
21	305.0	1.13	2.19	0.53	0.71	10.71	30.69	6.2
61	398.5	1.98	1.80	0.74	0.52	8.59	31.45	7.7
101	497.1	0.64	0.88	0.31	0.26	5.37	32.15	8.9
125	515.4	0.37	1.43	0.22	0.22	4.58	32.13	9.1

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM061	60 5.5N	146 57.5W	22 APR	0920	+10	129

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	168.3	0.17	0.51	0.07	0.45	5.71	31.70	3.0
19	194.5	0.17	0.44	0.09	0.39	5.65	31.73	3.5
119	159.2	T	0.31	0.05	0.18	5.88	32.26	2.9
124	134.6	0.21	0.45	0.09	0.50	5.87	32.30	2.4
127	205.6	0.16	0.40	0.08	0.30	5.85	32.33	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM062	59 54.3N	147 5.4W	18 APR	1515	+10	208

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	161.0	0.30	0.72	0.09	*	5.61	31.93	2.9
20	233.4	0.23	0.40	0.12	0.51	5.61	31.93	4.2
95	388.5	0.31	0.52	0.15	0.50	5.90	32.22	7.1
176	194.3	0.25	0.46	0.11	0.43	5.73	32.88	3.5
199	189.9	0.28	0.47	0.11	0.31	5.54	33.19	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM064	59 35.4N	147 4.4W	18 APR	0200	+10	205

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	145.4	0.24	0.58	*	*	5.82	32.06	2.6
22	170.1	0.32	0.48	0.33	*	5.81	32.07	3.1
101	323.6	0.38	0.46	0.12	0.35	5.94	32.43	5.9
177	433.3	0.36	0.62	0.15	0.36	5.35	33.48	7.9
187	517.5	0.18	0.51	0.20	0.42	5.31	33.52	9.4

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM065	59 40.1N	146 30.7W	18 APR	0730	+10	90

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	108.3	0.32	0.70	0.16	*	5.94	32.06	1.9
22	167.9	0.21	0.48	0.09	*	6.00	32.26	3.0
62	127.6	0.21	0.46	0.10	0.17	6.00	32.28	2.3
87	124.1	0.32	0.56	0.11	0.39	6.00	32.28	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM066	59 49.8N	146 29.3W	18 APR	1200	+10	73

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	163.2	0.23	0.53	0.14	0.47	5.60	31.68	2.9
20	238.6	0.69	*	*	0.65	5.62	31.80	4.3
40	206.1	0.24	0.46	0.11	0.43	5.73	31.85	3.7
68	208.1	*	0.50	0.11	0.83	5.85	31.91	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM067	60 0.2N	146 30.9W	18 APR	2130	+10	66

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	155.1	0.56	0.51	0.15	*	5.72	31.73	2.8
20	141.9	0.20	0.57	0.09	0.15	5.72	31.74	2.5
39	195.1	0.40	0.73	0.16	*	5.69	31.85	3.5
59	150.5	0.31	0.67	0.11	0.27	5.69	31.85	2.7

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM068	60 10.5N	146 30.9W	19 APR	0000	+10	135

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	121.2	T	0.25	0.06	*	5.64	31.80	2.2
20	168.5	0.45	0.91	0.18	0.29	5.70	31.84	3.0
118	458.7	0.32	0.44	0.10	0.12	5.81	32.05	8.3
124	651.9	0.33	0.46	0.10	0.23	5.81	32.08	11.9
128	527.1	0.22	0.44	0.10	0.20	5.81	32.08	9.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM069	60 14.2N	146 0.0W	21 APR	2000	+10	103

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	109.0	0.17	0.71	0.08	0.37	5.24	31.43	1.9
19	117.7	0.26	0.49	0.09	0.26	5.23	31.45	2.1
91	115.9	0.18	0.34	0.07	*	5.32	31.52	2.0
96	121.4	0.23	0.42	0.10	*	5.33	31.52	2.1
100	125.5	0.23	0.41	0.10	*	5.34	31.53	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM070	60 7.1N	145 59.9W	22 APR	0200	+10	87

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
21	134.3	T	0.44	0.11	0.19	5.36	31.53	2.4
70	137.7	0.38	0.18	0.08	0.18	5.66	31.83	2.5
84	193.4	0.27	0.51	0.09	0.23	5.88	31.88	3.5

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM071	59 55.8N	146 0.0W	22 APR	0510	+10	86

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	145.6	0.38	0.51	0.12	0.27	5.76	31.54	2.6
24	169.0	0.28	0.46	0.11	0.28	5.73	31.73	3.0
74	178.4	0.20	0.45	0.10	0.21	5.88	31.91	3.2
78	182.1	0.35	0.45	0.11	*	5.89	31.91	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM074	59 35.0N	145 36.2W	21 APR	0745	+10	132

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	138.7	0.35	0.43	0.12	0.28	6.03	31.86	2.5
24	103.5	0.31	0.53	0.11	0.25	6.00	32.10	1.9
119	91.6	0.23	0.53	0.12	0.23	5.70	32.68	1.6
124	89.8	0.25	0.50	0.10	0.19	5.70	32.70	1.6
129	115.0	0.22	0.54	0.12	*	5.69	32.74	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM075	59 43.5N	145 35.0W	21 APR	1105	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	138.1	0.23	0.67	0.11	0.24	6.11	31.91	2.5
20	142.2	0.19	0.46	0.09	0.17	6.08	31.91	2.6
91	107.4	0.26	0.50	0.12	0.18	6.09	31.98	1.9
97	112.2	0.22	0.44	0.10	0.18	6.09	32.10	2.0
101	107.7	0.17	0.45	0.09	0.28	6.08	32.17	1.9

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM076	59 53.3N	145 35.0W	20 APR	0920	+10	80

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	222.2	2.53	9.43	2.57	3.59	5.97	31.84	4.0
20	181.8	0.52	1.19	0.28	0.52	5.98	31.84	3.3
40	184.1	0.21	0.44	0.09	0.24	5.98	31.84	3.3
78	304.3	0.27	0.39	0.11	0.22	6.24	31.99	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM077	60 6.6N	145 34.2W	21 APR	1645	+10	126

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	135.0	0.29	0.66	0.13	0.37	5.61	31.21	2.4
23	124.8	0.25	0.44	0.10	0.22	5.40	31.49	2.2
115	260.8	0.21	0.37	0.09	0.23	6.16	31.97	4.8
120	252.2	0.23	0.39	0.10	0.27	6.27	31.98	4.6
124	246.6	0.21	0.35	0.10	0.24	6.28	31.97	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM078	60 0.0N	145 5.2W	19 APR	0530	+10	114

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	143.3	0.23	0.58	0.10	0.67	5.59	31.59	2.6
18	149.0	0.28	0.50	0.11	0.44	5.80	31.74	2.7
103	372.8	0.13	0.28	0.06	0.53	6.21	32.11	6.8
107	461.8	*	*	*	*	6.22	32.11	8.5

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM079	59 47.5N	145 4.7W	20 APR	1230	+10	186

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	199.9	0.33	0.58	0.12	0.18	5.74	31.40	3.6
24	192.8	0.27	0.55	0.09	0.23	5.84	31.56	3.5
148	180.8	0.27	0.59	0.13	0.21	6.06	32.31	3.3
168	121.8	0.29	0.48	0.12	0.19	6.02	32.46	2.2
179	122.2	0.25	0.46	0.11	0.12	5.97	32.67	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM080	59 41.2N	144 48.1W	21 APR	0045	+10	111

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	173.7	0.34	0.33	0.18	0.13	5.47	31.18	3.1
23	140.0	0.21	0.46	0.10	0.17	6.07	31.89	2.5
97	82.7	0.25	0.45	0.09	0.17	6.10	31.92	1.5
104	92.0	0.36	0.48	0.12	0.20	6.10	31.92	1.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM081	60 2.2N	144 39.6W	19 APR	1130	+10	205

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	149.6	0.33	0.63	0.14	0.30	5.51	31.32	2.7
19	150.6	0.32	0.68	0.13	0.39	5.55	31.38	2.7
189	130.5	0.31	0.50	0.12	0.28	6.05	32.55	2.4
193	124.1	0.20	0.52	0.10	0.24	6.02	32.56	2.2
198	124.0	0.25	0.55	0.13	0.34	6.02	32.57	2.2

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
NORTHEAST GULF OF ALASKA

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM082	59 55.3N	144 39.6W	19 APR	1530	+10	177

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	195.6	0.47	0.55	0.17	0.33	5.56	31.35	3.5
24	171.1	0.27	0.49	0.14	0.27	5.56	31.36	3.0
168	133.3	0.22	0.47	0.11	0.18	6.04	32.29	2.4
172	117.6	0.22	0.56	0.11	0.20	6.04	32.39	2.1
177	131.8	0.20	0.42	0.12	0.19	6.04	32.41	2.4

APPENDIX B

Cook Inlet

B.1	RP-4-PI-76A-III	04 Apr. - 13 Apr. 1976
B.2	RP-4-DI-77A-IV	05 Apr. - 22 Apr. 1977
B.3	ACONA 245-77	28 Jun. - 16 Jul. 1977
B.4	RP-4-DI-78A-III	04 May - 17 May 1978
B.5	RP-4-DI-78B-II	28 Aug. - 06 Sep. 1978
B.6	RP-4-DI-79A-II	07 May - 20 May 1979

CRUISE NUMBER
RP-4-D1-76A-III

LOCATION
COOK INLET

INCLUSIVE DATES
04 APR-13 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	58 54.5N	152 52.5W	07 APR	0255	+10	170

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
7	135.7	*	*	0.77	0.30	*	*	*
50	*	*	0.21	0.75	0.30	*	*	*
165	118.8	0.24	0.39	0.77	0.34	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM02A	59 24.2N	152 41.2W	09 APR	2020	+10	66

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	107.2	0.35	1.03	0.46	0.53	*	*	*
9	120.7	0.40	1.06	0.59	0.73	*	*	*
18	128.4	*	*	0.44	0.40	*	*	*
49	109.3	0.38	1.00	0.54	0.80	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	60 40.0N	151 34.5W	07 APR	1935	+10	64

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	1387.3	1.79	0.31	*	*	*
10	1270.3	2.54	0.82	*	*	*
30	1273.2	1.63	0.25	*	*	*
40	1251.5	1.43	0.52	*	*	*
55	1221.2	2.12	0.49	*	*	*

CRUISE NUMBER
RP-4-DI-76A-111

LOCATION
COOK INLET

INCLUSIVE DATES
04 APR-13 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM05A	59 30.3N	151 46.1W	09 APR	1110	+10	88

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	144.1	0.40	1.41	1.11	0.72	*	*	*
10	143.9	0.39	1.06	0.32	0.70	*	*	*
32	136.9	0.38	1.13	0.30	0.69	*	*	*
77	147.9	0.37	1.18	0.30	0.60	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	59 36.8N	151 18.0W	08 APR	1840	+10	81

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	540.8	*	*	0.61	0.71	*	*	*
8	542.3	*	*	0.34	0.59	*	*	*
28	587.9	*	*	0.53	0.50	*	*	*
66	494.2	*	*	0.37	0.44	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	59 30.1N	153 10.0W	09 APR	2250	+10	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	199.5	0.29	0.73	0.42	0.41	*	*	*
9	204.9	0.29	0.63	0.51	0.29	*	*	*
31	187.6	0.28	0.67	0.43	0.34	*	*	*

CRUISE NUMBER
RP-4-D1-76A-III

LOCATION
COOK INLET

INCLUSIVE DATES
04 APR-13 APR 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	29 14.5N	153 39.7W	09 APR	1640	+10	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	509.2	*	0.81	1.90	0.89	*	*	*
17	527.7	*	0.67	0.34	0.44	*	*	*

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM005	60 20.4N	151 53.0W	06 APR	0050	+10	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	355.1	*	0.22	0.30	0.07	1.28	28.97	5.6
12	349.1	*	0.57	0.36	0.09	1.29	28.99	5.5
21	369.0	*	*	*	0.05	1.31	29.00	5.8
33	364.6	*	*	0.28	0.08	1.32	29.02	5.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	60 10.6N	151 41.2W	05 APR	2110	+10	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	427.6	0.47	0.37	0.13	0.15	1.86	29.76	6.9
10	411.2	0.48	*	0.14	0.13	2.23	30.18	6.7
33	685.1	0.27	0.29	0.10	0.10	2.93	30.80	11.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	60 10.0N	151 56.2W	06 APR	0435	+10	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
54	189.0	0.47	0.42	*	*	3.07	30.81	3.1

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11A	60 9.6N	152 24.7W	06 APR	2120	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
29	*	*	0.98	0.41	0.61	2.32	30.19	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11B	60 9.6N	152 24.7W	07 APR	0100	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
24	277.1	0.48	0.47	0.08	0.12	2.35	30.17	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11C	60 9.6N	152 24.7W	07 APR	0500	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
26	235.2	0.55	0.42	0.13	0.18	2.27	30.16	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11D	60 9.6N	152 24.7W	07 APR	0920	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
33	*	1.33	0.79	0.40	0.36	2.27	30.16	*

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11E	60 9.6N	152 24.7W	07 APR	1100	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	285.4	1.10	*	0.18	0.25	2.32	30.16	4.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11F	60 9.6N	152 24.7W	07 APR	1700	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	264.9	0.71	0.50	0.26	0.19	2.31	30.10	4.3
23	240.9	0.47	0.44	0.12	0.08	2.29	30.10	3.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11G	60 9.6N	152 24.7W	07 APR	2115	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	293.2	0.37	0.26	0.08	0.10	2.31	30.12	4.8
32	200.8	0.35	0.23	0.17	0.24	2.33	30.12	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11H	60 9.6N	152 24.7W	08 APR	0310	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	189.9	0.30	0.19	0.13	0.18	2.26	30.10	3.1

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	59 48.5N	151 58.6W	09 APR	1600	+10	34

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	308.8	0.39	0.77	0.21	0.41	4.27	31.41	5.4
26	355.8	0.37	0.67	0.10	0.37	4.28	31.41	6.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	59 47.8N	152 32.0W	08 APR	1830	+10	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
33	186.6	0.34	0.35	0.19	0.26	2.87	30.72	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	59 47.6N	152 51.4W	08 APR	2130	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	211.2	0.36	0.39	0.15	0.24	2.56	30.61	3.5
20	219.2	0.18	0.29	0.09	0.24	2.74	30.69	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	59 40.8N	152 38.6W	09 APR	0200	+10	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	215.3	0.29	0.35	T	0.26	2.80	30.61	3.6
22	214.9	0.35	0.38	0.05	0.28	2.82	30.61	3.5

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	59 40.9N	152 14.1W	09 APR	0415	+10	48

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	122.3	0.31	0.41	0.11	0.29	4.06	31.38	2.1
34	123.2	0.28	0.39	0.15	0.25	4.05	31.39	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	59 37.6N	151 52.4W	09 APR	0610	+10	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	219.8	0.24	0.56	0.05	0.28	4.38	31.44	3.8
24	214.4	0.24	0.52	T	0.24	4.38	31.44	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	59 33.5N	151 36.4W	09 APR	0720	+10	90

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	128.0	0.73	*	*	*	4.45	31.39	2.2
87	286.0	0.40	0.48	0.14	0.23	4.39	31.47	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	59 30.0N	151 58.0W	09 APR	2130	+10	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	126.5	0.37	0.49	0.13	0.37	4.60	31.38	2.2
71	124.9	0.37	0.55	0.17	0.35	4.61	31.38	2.2

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM026	59 27.0N	152 23.2W	10 APR	0415	+10	74

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	85.9	0.33	0.45	0.12	0.26	4.66	31.45	1.5
63	80.1	0.34	0.46	0.17	0.29	4.47	31.50	1.4
68	88.7	0.34	0.45	0.11	0.26	4.47	31.50	1.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM26A	59 33.3N	152 18.7W	10 APR	0620	+10	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	91.0	0.23	0.40	0.11	0.17	4.66	31.45	1.6
55	88.3	0.33	0.51	0.16	0.26	4.66	31.45	1.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	59 21.6N	152 48.5W	11 APR	1435	+10	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	120.8	0.31	0.49	0.14	0.25	3.42	31.15	2.0
73	97.8	0.35	0.47	0.15	0.24	4.63	31.48	1.7

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27A	59 31.4N	152 41.0W	10 APR	0815	+10	66

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	103.0	0.36	0.52	0.13	*	3.67	31.24	1.7
52	85.5	0.38	0.48	0.13	0.30	4.39	31.46	1.5
63	85.7	0.32	0.52	0.15	0.22	4.41	31.46	1.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	59 18.2N	153 14.3W	10 APR	1500	+10	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	113.1	0.26	0.38	0.13	0.24	3.27	31.09	1.9
20	119.6	0.34	0.11	0.09	0.08	3.28	31.09	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM28A	59 29.9N	153 13.6W	10 APR	1155	+10	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	144.9	0.28	0.33	0.15	0.25	3.12	30.97	2.4
20	124.9	0.27	0.33	0.13	0.15	3.13	30.97	2.1

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	59 14.2N	153 39.7W	10 APR	1920	+10	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	320.7	0.27	0.32	0.14	0.19	2.73	30.78	5.3
14	330.0	0.48	0.48	0.23	0.24	2.78	30.82	5.5
29	110.2	0.33	0.42	0.16	0.20	2.93	30.89	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	58 59.4N	153 12.9W	11 APR	0255	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	117.6	0.38	0.44	0.14	0.24	5.00	31.49	2.0
20	118.9	0.37	0.46	0.14	0.17	5.01	31.49	2.1
80	135.4	0.62	0.50	0.24	0.25	5.20	31.63	2.4
104	116.0	0.33	0.47	0.15	0.21	5.22	31.70	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	59 0.9N	153 2.7W	12 APR	2330	+10	152

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	119.9	0.48	0.56	0.23	0.32	4.82	31.67	2.1
10	111.6	0.30	0.40	0.12	0.24	4.84	31.67	1.9
106	111.6	0.27	0.39	0.13	0.13	4.87	31.66	1.9
147	120.3	0.23	0.39	0.14	0.45	5.38	32.01	2.1

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM31A	59 9.9N	153 8.5W	11 APR	0100	+10	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	115.6	0.64	0.55	0.29	0.24	4.88	31.50	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	59 6.3N	152 43.1W	12 APR	1900	+10	148

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
6	115.4	0.45	0.53	0.23	0.25	4.99	31.61	2.0
22	124.1	0.53	0.56	0.26	0.25	5.00	31.61	2.2
106	185.0	0.29	0.44	0.17	0.20	5.22	32.00	3.3
141	128.8	0.33	0.47	0.21	0.31	5.42	32.10	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM32A	59 14.7N	152 45.5W	12 APR	1520	+10	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
6	110.7	0.25	0.45	0.13	0.19	4.92	31.59	1.9
21	133.9	0.24	0.50	0.13	0.20	4.92	31.61	2.3
95	114.9	0.38	0.49	0.35	0.25	5.39	31.89	2.0

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	59 9.7N	152 20.3W	13 APR	1310	+10	110

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	95.6	*	0.52	0.14	*	4.60	31.52	1.6
19	96.2	0.23	0.41	*	*	4.58	31.53	1.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM33A	59 17.3N	152 22.8W	10 APR	0135	+10	86

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	118.4	0.37	0.48	0.15	0.29	5.01	31.46	2.1
73	116.4	0.35	0.45	0.14	0.24	5.04	31.49	2.0
82	109.1	0.39	0.45	0.14	0.26	5.04	31.49	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	59 0.4N	152 0.6W	13 APR	2000	+10	202

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	98.1	0.28	0.37	0.16	0.23	4.75	31.47	1.7
152	115.8	0.38	0.35	0.14	0.22	5.23	31.72	2.0

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
COOK INLET

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	58 48.8N	152 11.9W	14 APR	0530	+10	122

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	101.4	0.26	0.40	0.08	0.22	4.67	31.72	1.7
22	109.2	0.16	0.33	0.06	0.11	4.68	31.72	1.9
100	121.1	0.29	0.33	0.05	0.11	5.30	32.05	2.1
121	119.5	0.31	0.43	T	0.19	5.31	32.09	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	58 43.2N	152 24.3W	14 APR	0830	+10	137

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	106.8	0.37	0.44	0.10	0.15	4.94	31.95	1.9
20	99.6	0.33	0.46	0.17	0.23	4.94	31.96	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	58 52.6N	152 52.3W	13 APR	0530	+10	166

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	106.2	0.36	0.34	0.26	0.28	4.93	31.81	1.8
21	90.6	0.20	0.32	0.17	0.18	4.94	31.79	1.6

CRUISE NUMBER
ACUNA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	60 33.7N	151 30.4W	02 JUL	0600	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	319.4	0.38	0.07	0.18	T	10.24	26.62	6.2
10	332.4	0.40	0.78	0.18	0.26	10.23	26.62	6.5
20	336.5	0.41	0.91	0.20	0.37	10.23	26.62	6.6
23	339.3	0.43	1.02	0.17	0.45	10.24	26.61	6.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	60 34.2N	151 37.0W	02 JUL	0415	+ 9	67

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	428.2	1.58	*	*	*	10.22	26.08	8.3
10	419.1	1.41	0.81	0.75	0.21	10.33	26.12	8.2
19	406.8	1.33	0.79	0.69	0.18	10.29	26.31	8.0
59	409.9	1.28	0.83	0.67	0.24	10.27	26.36	8.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	60 43.1N	151 36.0W	02 JUL	0100	+ 9	109

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	785.7	7.69	0.46	4.45	T	10.68	22.78	15.2
11	824.0	9.39	0.44	5.60	T	10.67	22.78	15.9
20	654.1	4.85	0.23	2.61	T	10.67	22.79	12.6
97	683.1	3.93	0.30	1.98	T	10.62	23.33	13.2

CRUISE NUMBER
ACUNA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03A	60 50.6N	151 18.1W	01 JUL	2030	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
10	637.4	2.91	0.41	1.60	T	10.87	22.33	12.3
19	668.2	3.09	0.41	1.68	T	10.87	22.33	12.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03B	60 58.5N	151 7.8W	01 JUL	2100	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	628.9	2.21	0.59	0.85	0.15	11.15	20.43	12.1
10	622.8	1.81	0.49	0.67	T	11.06	20.76	12.0
26	665.3	2.46	0.47	1.26	T	10.89	21.51	12.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03C	60 55.6N	151 22.1W	01 JUL	1945	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
10	642.6	5.51	0.58	3.03	T	10.58	23.50	12.4
20	659.2	5.94	0.70	3.07	0.22	10.58	23.50	12.8
40	665.7	6.25	0.65	3.13	0.24	10.58	23.50	13.3

CRUISE NUMBER
ACONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03D	60 50.3N	151 33.6W	01 JUL	2330	+ 9	69

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	729.4	5.18	0.45	2.79	T	10.59	23.31	14.1
10	675.2	5.69	0.45	3.01	T	10.59	23.41	13.1
65	667.7	5.71	0.50	3.19	T	10.60	23.55	12.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	60 18.4N	152 18.5W	02 JUL	1050	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	319.3	0.35	1.68	0.19	0.58	9.82	29.11	6.3
10	343.1	0.32	1.71	0.18	0.63	9.75	29.12	6.7
20	350.4	0.32	1.77	0.19	0.66	9.65	29.19	6.9
36	348.8	0.33	1.86	0.20	0.69	9.64	29.21	6.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM4TA	60 18.4N	152 18.5W	30 JUN	1900	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	296.9	0.31	1.77	0.16	0.63	9.52	28.94	5.8
10	354.4	0.30	1.59	0.15	0.60	9.50	28.95	6.9
18	375.3	0.94	1.55	0.21	0.65	9.46	28.97	7.3
36	350.8	0.30	1.51	0.16	0.50	9.29	29.16	6.8

CRUISE NUMBER
ACQNA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM4TB	60 18.4N	152 18.5W	30 JUN	2320	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	343.9	0.28	1.46	0.12	0.47	9.67	28.84	6.7
11	344.3	0.27	1.39	0.13	0.41	9.66	28.84	6.7
18	343.0	0.29	1.40	0.13	*	9.65	28.85	6.7
33	366.6	0.53	1.49	0.17	0.43	9.43	29.07	7.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM4TC	60 18.4N	152 18.5W	01 JUL	0300	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	325.0	0.29	1.50	0.16	0.49	9.50	29.02	6.3
36	365.7	0.38	1.62	0.19	0.47	9.32	29.33	7.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM4TD	60 18.4N	152 18.5W	01 JUL	0500	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	336.3	0.34	1.69	0.27	0.57	9.31	29.30	6.5
10	344.5	0.32	1.63	0.18	0.45	9.33	29.31	6.7
20	343.3	0.31	1.67	0.19	0.40	9.33	29.33	6.7
29	341.9	0.34	1.68	0.17	0.43	9.33	29.35	6.7

CRUISE NUMBER
AGONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM4TE	60 18.4N	152 18.5W	01 JUL	0700	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	243.4	T	0.83	0.09	0.28	9.49	28.83	4.7
20	310.3	0.27	1.29	0.14	0.40	9.41	29.15	6.0
34	364.5	0.35	1.81	0.19	0.50	9.35	29.27	7.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM005	60 20.4N	151 53.0W	02 JUL	1510	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	332.9	0.61	2.58	0.33	0.61	10.39	27.44	6.6
10	332.0	0.53	1.18	0.25	0.43	10.39	27.44	6.5
23	328.5	0.53	1.23	0.24	0.47	10.39	27.43	6.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	60 19.7N	151 42.2W	02 JUL	1655	+ 9	46

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	397.5	0.31	1.07	0.14	0.19	10.12	27.88	7.8
10	386.0	0.36	1.31	0.15	0.48	10.05	27.99	7.6
19	414.6	0.33	1.61	0.17	0.58	10.07	28.00	8.1
41	416.8	0.31	1.44	0.16	0.48	10.05	28.00	8.2

CRUISE NUMBER
ACUNA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	60 19.0N	151 33.3W	02 JUL	1820	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	634.1	0.28	1.63	0.16	0.58	10.31	28.26	12.6
10	632.3	0.27	1.38	0.14	0.39	10.25	28.34	12.5
19	1047.7	0.53	3.15	0.39	1.17	10.36	30.13	21.1
26	1061.2	0.56	3.34	0.41	1.17	10.39	30.15	21.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	60 10.6N	151 41.2W	02 JUL	2100	+ 9	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	887.0	0.08	3.48	0.41	1.28	10.16	30.47	17.8
10	927.5	0.76	3.75	0.50	1.29	10.17	30.54	18.7
20	980.3	0.80	4.51	0.55	1.29	10.21	30.63	19.7
32	954.3	0.73	4.27	0.52	1.35	10.24	30.79	19.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	60 10.0N	151 56.2W	03 JUL	0000	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	425.2	0.35	1.11	0.14	0.36	10.15	28.00	8.4
9	531.5	0.51	1.32	0.15	0.29	10.13	28.31	10.5
20	545.1	0.29	1.45	0.15	0.37	10.08	28.64	10.8
50	539.2	0.38	2.12	0.21	0.67	9.86	29.62	10.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM010	60 9.6N	152 15.0W	03 JUL	0210	+ 9	58

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	367.4	0.33	1.70	0.19	0.62	9.67	29.31	7.2
10	376.8	0.34	1.70	0.16	0.56	9.67	29.31	7.4
20	378.6	0.34	1.47	0.16	1.44	9.67	29.31	7.4
54	377.0	0.33	1.54	0.15	0.41	9.64	29.38	7.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM011	60 9.6N	152 24.7W	03 JUL	0420	+ 9	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	349.9	0.32	1.82	0.22	0.48	9.61	29.52	6.9
10	349.6	0.33	1.86	0.22	0.49	9.62	29.50	6.9
19	350.2	0.34	1.82	0.22	0.51	9.62	29.50	6.9
33	342.8	0.32	1.77	0.20	0.51	9.62	29.49	6.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM012	59 59.8N	152 29.3W	03 JUL	0615	+ 9	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	551.9	0.33	1.73	0.21	0.62	9.92	28.90	10.9
10	516.5	0.38	2.02	0.23	0.67	9.74	29.01	10.2
19	474.1	0.38	1.98	0.25	0.71	9.91	29.24	9.4
41	424.8	0.39	2.22	0.26	0.72	9.98	29.38	9.0

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM013	60 0.0N	152 17.5W	03 JUL	0845	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	437.4	0.39	2.07	0.23	0.80	9.75	29.38	8.6
10	424.8	0.40	2.35	0.27	0.80	9.42	30.12	8.3
20	355.0	0.44	2.54	0.29	0.87	9.29	30.44	6.6
46	273.1	0.49	2.76	0.38	0.95	9.18	30.73	5.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	59 59.2N	152 5.5W	03 JUL	1125	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	366.4	0.45	2.65	0.26	0.79	9.60	30.19	7.2
10	345.4	0.45	2.47	0.30	0.79	9.57	30.22	6.8
20	354.4	0.45	2.72	0.32	0.89	9.51	30.29	7.0
50	315.6	0.47	2.89	0.32	*	9.43	30.42	6.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM015	60 0.0N	151 54.5W	03 JUL	1315	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	642.8	0.79	4.61	0.60	1.44	10.52	30.88	13.0
10	651.3	0.76	4.52	0.56	1.41	10.42	30.86	13.2
19	653.0	0.72	4.37	0.67	1.38	10.41	30.85	13.2
27	700.7	0.74	4.51	0.55	1.39	10.38	30.86	14.2

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	59 48.6N	151 58.9W	03 JUL	1530	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	419.8	0.84	4.54	0.59	1.35	9.50	31.24	8.3
10	414.2	0.80	4.41	0.59	1.33	9.50	31.23	8.2
19	415.2	0.81	4.43	0.62	1.30	9.49	31.23	8.2
30	420.6	0.82	4.45	0.61	1.32	9.49	31.23	8.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	59 48.9N	152 15.8W	03 JUL	1830	+ 9	73

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	181.8	0.50	2.91	0.39	0.86	9.02	31.13	3.5
10	181.4	0.46	2.53	0.36	0.69	8.84	31.17	3.5
19	179.2	0.50	2.50	0.40	0.68	8.80	31.20	3.5
67	177.3	0.48	2.55	0.36	0.66	8.78	31.22	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	59 47.8N	152 32.0W	03 JUL	2220	+ 9	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	373.9	0.42	2.31	0.30	0.81	9.54	30.09	7.4
11	359.1	0.38	2.24	0.24	0.73	9.53	30.08	7.1
21	366.8	0.38	2.20	0.24	0.71	9.54	30.07	7.2

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	59 47.6N	152 51.4W	04 JUL	0000	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	368.4	0.41	2.29	0.24	0.82	9.75	29.91	7.7
10	389.0	0.38	2.46	0.22	0.74	9.70	29.92	7.6
19	391.2	0.39	2.31	0.24	0.78	9.69	29.93	7.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	59 38.5N	152 59.1W	04 JUL	0230	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	257.8	0.37	2.15	0.25	0.67	9.17	30.37	5.0
11	256.4	0.38	2.50	0.25	0.66	9.15	30.45	5.0
20	256.4	0.37	2.21	0.26	0.66	9.15	30.45	5.0
35	256.2	0.37	2.15	0.25	0.65	9.15	30.45	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	59 40.8N	152 38.6W	04 JUL	0515	+ 9	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	275.0	0.40	2.15	0.29	0.71	9.31	30.34	5.4
10	281.7	0.39	2.30	0.28	0.68	9.29	30.40	5.5
20	283.8	0.41	2.36	0.29	0.68	9.28	30.40	5.5
32	285.3	0.41	2.37	0.28	0.69	9.29	30.40	5.6

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	59 40.9N	152 14.1W	04 JUL	0710	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	139.7	0.54	2.67	0.46	0.73	8.72	31.48	2.7
10	138.2	0.54	2.70	0.44	0.69	8.72	31.49	2.7
20	139.4	0.54	2.70	0.46	0.67	8.70	31.47	2.7
45	140.3	0.55	2.72	0.47	0.73	8.70	31.47	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	59 37.8N	151 52.4W	04 JUL	1130	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	273.8	0.63	3.23	0.49	0.76	8.76	31.51	5.3
10	255.9	0.59	2.92	0.44	0.80	8.74	31.52	5.0
20	240.7	0.49	2.59	0.35	0.70	8.73	31.52	4.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	59 33.5N	151 36.4W	04 JUL	1400	+ 9	87

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	573.8	0.74	6.90	0.54	2.45	10.80	29.86	11.6
9	270.0	0.68	3.76	0.60	1.03	9.34	31.35	5.3
21	330.0	0.66	3.74	0.50	1.02	8.83	31.42	5.5
62	928.0	0.54	2.44	0.38	0.55	7.46	31.50	17.6
84	1320.3	0.58	2.42	0.39	0.62	7.23	31.50	24.9

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	59 30.0N	151 58.0W	04 JUL	1715	+ 9	79

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	171.8	0.48	2.39	0.35	0.52	8.60	31.71	3.3
12	177.9	0.51	2.38	0.42	0.62	8.30	31.74	3.4
22	176.8	0.49	2.35	0.38	0.57	8.23	31.76	3.4
42	175.1	0.48	2.12	*	0.37	8.22	31.77	3.3
77	173.4	0.47	2.26	0.35	0.60	8.21	31.79	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM026	59 27.0N	152 23.2W	05 JUL	1630	+ 9	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	158.6	0.63	2.38	0.42	0.55	8.47	31.67	3.0
10	155.7	0.49	2.47	0.38	0.56	8.42	31.64	3.0
21	156.7	0.51	2.56	0.39	0.57	8.42	31.64	3.0
66	155.5	0.48	2.49	0.36	0.52	8.42	31.65	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM26A	59 33.5N	152 18.7W	04 JUL	0940	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	137.5	0.54	2.55	0.45	0.69	8.75	31.43	2.6
11	139.3	0.53	2.63	0.44	0.64	8.64	31.48	2.7
20	137.9	0.54	2.66	0.43	0.65	8.64	31.47	2.6
45	141.7	0.54	2.50	0.43	0.65	8.61	31.50	2.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27	59 22.2N	152 47.0W	05 JUL	2300	+ 9	71

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	120.7	0.47	2.16	0.36	0.57	8.41	31.65	2.5
10	131.0	0.44	2.32	0.32	0.50	8.26	31.67	2.5
20	137.0	0.45	2.05	0.33	0.47	8.18	31.69	2.6
41	140.2	0.44	1.87	0.32	0.46	8.02	31.75	2.7
67	145.7	0.45	1.65	0.29	0.39	7.92	31.79	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27A	59 29.6N	152 38.5W	05 JUL	1845	+ 9	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	125.0	0.46	2.48	0.35	0.56	8.67	31.55	2.4
11	129.7	0.46	2.11	0.23	0.38	8.52	31.53	2.5
20	132.7	0.48	2.30	0.39	0.56	8.51	31.54	2.5
60	126.6	0.45	2.36	0.34	0.54	8.51	31.54	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27B	59 31.1N	152 41.5W	05 JUL	1940	+ 9	62

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
58	141.3	0.46	2.23	0.35	0.52	8.40	31.48	2.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27C	59 32.6N	152 38.9W	05 JUL	2030	+ 9	58

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	204.6	0.43	1.50	0.29	0.72	9.30	30.47	5.2
54	149.0	0.47	2.30	0.33	0.51	8.55	31.37	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27D	59 31.1N	152 35.9W	05 JUL	2120	+ 9	56

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	249.9	0.45	2.66	0.31	0.69	9.30	30.67	4.9
50	156.2	0.47	2.31	0.34	0.53	8.49	31.50	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	59 18.2N	153 13.0W	06 JUL	0200	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	207.0	0.37	2.19	0.26	0.69	9.41	30.58	4.0
11	209.1	0.42	2.26	0.28	0.62	9.25	30.68	4.1
21	207.8	0.39	2.10	0.26	0.60	9.11	30.73	4.0
41	213.3	0.41	2.15	0.26	0.60	8.98	30.79	4.1

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM28A	59 29.9N	153 13.6W	06 JUL	0500	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	251.4	0.33	2.04	0.23	0.63	9.51	30.24	4.9
9	253.7	0.33	2.02	0.20	0.63	9.51	30.24	5.0
21	257.5	0.33	1.99	0.19	0.62	9.51	30.25	5.1
27	258.3	0.32	2.02	0.20	0.63	9.51	30.25	5.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P28B1	59 35.1N	153 28.0W	06 JUL	0630	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	305.9	0.36	2.11	0.24	0.70	10.03	29.96	6.1
12	307.3	0.36	2.01	0.23	0.73	10.03	29.96	6.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P28B2	59 35.1N	153 28.0W	06 JUL	1120	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	364.5	0.41	2.50	0.26	0.81	10.16	29.91	7.3
5	361.9	0.41	2.24	0.29	0.78	10.15	29.93	7.2
9	361.0	0.38	2.02	0.25	0.76	10.15	29.93	7.6

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P2833	59 35.1N	153 28.0W	06 JUL	1500	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	297.1	0.41	2.20	0.27	0.79	10.06	30.02	5.9
4	296.8	0.37	2.20	0.23	0.68	10.15	29.93	5.9
9	296.4	0.38	2.20	0.25	0.72	10.00	30.02	5.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P2834	59 35.1N	153 28.0W	06 JUL	1915	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	327.2	0.37	2.16	0.29	0.75	10.10	29.98	6.5
5	309.9	0.37	2.17	0.29	0.72	10.10	29.98	6.2
11	324.0	0.38	2.22	0.32	0.72	10.06	29.99	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
P2835	59 35.1N	153 28.0W	06 JUL	2310	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	377.3	0.42	2.16	0.31	0.80	10.32	29.88	7.6
5	374.3	0.36	2.13	0.32	0.75	10.30	29.89	7.5
12	356.2	0.37	2.12	0.25	0.70	10.11	29.97	6.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM28C	59 22.8N	153 42.9W	07 JUL	0130	+ 9	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	888.8	0.52	1.92	0.39	0.73	10.48	30.15	18.0
6	938.7	0.53	1.87	0.36	0.77	10.48	30.15	18.4
10	949.4	0.55	2.02	0.37	0.76	10.22	30.22	19.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	59 14.2N	153 39.7W	07 JUL	0400	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	588.8	0.45	1.77	0.30	0.72	10.82	29.67	11.5
10	730.4	0.49	2.14	0.33	0.73	10.05	30.24	15.1
20	750.5	0.56	2.17	0.35	0.72	9.87	30.33	15.0
27	838.0	0.55	2.23	0.33	0.71	9.78	30.32	16.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM29A	59 6.7N	153 34.1W	07 JUL	0635	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	494.4	0.48	1.64	0.33	0.66	10.77	29.13	10.0
10	512.3	0.50	2.06	0.40	0.72	10.16	29.98	10.2
20	615.7	0.52	2.13	0.34	0.71	9.60	30.33	12.2
31	674.7	0.55	2.20	0.34	0.73	9.55	30.33	13.3

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	58 56.9N	153 16.5W	07 JUL	1100	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	500.1	0.75	2.08	0.43	0.67	9.69	30.13	11.1
10	523.2	0.79	1.94	0.48	0.66	9.38	30.34	10.3
20	504.2	0.77	2.19	0.37	0.60	9.18	30.67	5.9
36	246.7	0.74	2.25	0.55	0.66	8.91	30.88	4.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM30A	59 1.2N	153 25.1W	07 JUL	0915	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	495.3	0.60	2.53	0.39	0.64	10.55	29.54	10.0
10	528.6	0.62	1.69	0.36	0.62	9.73	30.16	10.5
20	362.4	0.78	1.94	0.38	0.60	9.41	30.39	7.5
37	346.5	1.03	2.08	0.48	0.57	9.05	30.68	6.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	59 0.9N	153 2.7W	08 JUL	0710	+ 9	150

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	103.0	0.48	2.40	0.39	0.69	9.50	31.87	2.0
10	108.3	0.45	2.41	0.45	0.66	9.20	31.81	2.1
20	127.8	0.40	2.27	0.41	0.63	8.74	31.91	2.5
61	120.4	0.44	1.73	0.34	0.45	7.55	32.05	2.9
147	157.0	0.39	1.29	0.25	0.33	6.72	32.20	2.9

CRUISE NUMBER
ACONA 245-77

LOCATION
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INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM31A	59 9.9N	153 8.5W	07 JUL	1345	+ 9	75

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	136.4	0.49	2.29	0.40	0.58	8.54	31.55	2.6
12	136.4	0.46	2.10	0.37	0.51	8.43	31.54	2.6
21	134.1	0.45	2.03	0.47	0.45	8.24	31.62	2.6
41	134.5	0.43	1.92	0.33	0.42	8.10	31.64	2.6
71	149.4	0.43	1.67	0.27	0.36	7.60	31.85	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	59 6.3N	152 43.1W	08 JUL	0400	+ 9	147

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	126.9	0.50	2.23	0.37	0.60	8.83	31.97	2.5
11	127.0	0.44	2.25	0.33	0.62	8.47	31.96	2.4
21	142.8	0.40	1.80	0.28	0.49	8.10	32.00	2.7
62	157.7	0.40	1.56	0.32	0.38	7.59	32.05	3.0
144	164.2	0.40	1.42	0.25	0.36	7.05	32.14	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM32A	59 14.7N	152 45.5W	07 JUL	1630	+ 9	111

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	144.3	0.40	2.01	0.45	0.62	8.99	31.74	2.8
12	153.0	0.44	1.95	0.29	0.45	8.54	31.86	2.9
21	149.3	0.43	2.10	0.29	0.46	8.43	31.87	2.9
61	154.7	0.41	1.78	0.29	0.37	7.90	31.98	2.9
108	155.2	0.40	1.70	0.27	0.35	7.55	32.07	2.9

CRUISE NUMBER
ACONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	59 9.7N	152 20.3W	08 JUL	0100	+ 9	107

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	150.5	0.40	1.83	0.44	0.43	8.15	31.88	2.9
12	153.0	0.41	1.84	0.41	0.46	8.10	31.84	2.9
20	159.1	0.43	1.83	0.32	0.45	8.07	31.85	3.0
61	166.8	0.45	1.58	0.27	0.33	7.56	31.91	3.5
108	180.1	0.45	1.53	0.29	0.35	7.57	32.08	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM33A	59 17.3N	152 22.8W	07 JUL	1930	+ 9	88

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	134.5	0.49	2.46	0.60	0.71	9.27	31.72	2.6
10	163.0	0.49	1.79	0.46	0.39	7.81	31.89	3.1
20	169.2	0.44	1.80	0.36	0.37	7.83	31.88	3.2
41	167.2	0.46	1.77	0.31	0.36	7.79	31.91	3.2
83	169.0	0.44	1.69	0.27	0.34	7.78	31.92	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	59 14.9N	152 1.5W	07 JUL	2205	+ 9	65

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	149.9	0.48	2.29	0.37	0.63	6.87	31.70	2.9
10	163.0	0.48	2.10	0.40	0.56	8.63	31.70	3.1
20	172.2	0.47	1.95	0.44	0.48	8.35	31.71	3.3
41	169.0	0.47	1.95	0.32	0.44	8.25	31.70	3.2
61	174.8	0.46	1.74	0.42	0.40	8.17	31.72	3.3

CRUISE NUMBER
ACONA 245-77

LOCATION
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INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM035	59 5.2N	151 56.4W	08 JUL	1855	+ 9	170

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	140.2	0.56	3.53	0.55	1.03	10.15	31.39	2.8
20	170.0	0.54	2.27	0.41	0.57	8.79	31.55	3.3
40	172.8	0.52	2.09	0.41	0.53	8.62	31.60	3.3
101	191.8	0.40	1.26	0.26	0.28	7.13	32.01	3.6
165	187.3	0.42	1.24	0.24	0.27	6.87	32.16	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	59 0.4N	152 0.6W	08 JUL	2200	+ 9	199

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	127.9	0.57	3.47	0.49	1.02	11.10	31.36	2.6
10	164.6	0.54	2.20	0.35	0.49	8.88	31.55	3.2
20	179.2	0.52	1.93	0.32	0.42	8.23	31.63	3.4
61	190.5	0.44	1.42	0.26	0.33	7.37	31.91	3.6
101	188.2	0.44	1.37	0.26	0.30	7.32	31.94	3.5
194	188.9	0.45	1.22	0.25	0.27	6.93	32.14	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	58 48.8N	152 11.9W	09 JUL	0000	+ 9	120

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	110.8	0.47	3.11	0.40	0.93	10.71	31.51	2.2
11	136.9	0.44	2.05	0.35	0.55	9.07	31.76	2.7
20	143.7	0.43	2.01	0.40	0.55	8.89	31.81	2.8
61	152.7	0.40	1.66	0.28	0.40	7.98	31.93	2.9
117	165.8	0.41	1.51	0.27	0.34	7.40	32.11	3.1

CRUISE NUMBER
ACONA 245-77

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INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	58 43.2N	152 24.3W	09 JUL	0300	+ 9	138

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	191.9	0.63	2.67	0.40	1.03	10.37	30.90	3.8
11	154.0	0.61	2.50	0.43	0.81	9.11	31.57	3.0
21	141.6	0.55	2.27	0.40	0.73	8.88	31.70	2.7
61	172.7	0.42	1.62	0.29	0.47	7.32	32.13	3.2
101	203.4	0.39	1.35	0.27	0.40	6.74	32.31	3.8
131	263.6	0.36	1.03	0.36	0.30	6.03	32.53	4.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	58 54.8N	152 29.4W	08 JUL	1520	+ 9	157

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	126.5	0.64	3.48	0.46	1.01	9.74	31.69	2.5
19	151.7	0.54	2.21	0.40	0.62	8.22	31.85	2.9
62	161.0	0.47	1.96	0.32	0.53	7.69	32.06	3.0
101	161.5	0.40	1.70	0.27	0.40	7.43	32.15	3.0
153	275.5	0.37	1.19	0.28	0.29	5.78	32.65	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	58 52.9N	152 52.1W	08 JUL	1245	+ 9	165

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	114.8	0.53	3.24	0.58	1.05	10.39	31.19	2.3
20	118.6	0.46	2.34	0.44	0.61	8.64	31.90	2.3
41	142.1	0.43	1.76	0.30	0.44	7.43	32.00	2.7
101	147.5	0.37	1.28	0.24	0.29	6.66	32.18	2.7
161	244.2	0.52	1.08	0.47	0.36	6.23	32.34	4.5

CRUISE NUMBER
RP-4-DI-78A-III

LOCATION
COOK INLET

INCLUSIVE DATES
04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB001	59 14.3N	153 38.7W	06 MAY	1300	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
15	1000.1	*	0.91	0.33	0.22	4.37	31.21	17.5
25	1033.6	0.82	0.90	*	*	4.37	31.21	18.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB002	59 16.7N	153 19.8W	15 MAY	1330	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
32	134.1	T	0.31	T	*	4.95	31.33	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB003	59 19.8N	152 59.6W	15 MAY	1800	+ 9	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	111.7	0.25	0.86	T	*	5.40	31.55	2.0
54	108.6	0.24	0.74	0.07	*	4.93	31.63	1.9

CRUISE NUMBER
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LOCATION
COOK INLET

INCLUSIVE DATES
04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB004	59 24.1N	152 38.5W	15 MAY	2230	+ 9	66

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	55.3	0.44	1.37	0.18	*	5.55	31.79	1.0
11	87.9	0.31	1.08	0.13	*	5.56	31.79	1.5
20	94.2	0.36	0.86	0.14	*	5.39	31.84	1.7
41	98.4	0.34	0.85	0.15	*	5.13	31.88	1.7
61	101.2	0.32	0.89	0.14	*	5.18	31.91	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB005	59 25.0N	152 20.5W	09 MAY	0945	+ 9	59

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	116.0	0.40	1.40	0.22	*	5.00	31.90	2.0
20	143.3	0.42	1.31	0.29	*	*	*	*
55	121.8	0.77	1.41	0.33	*	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB006	59 29.2N	151 59.9W	10 MAY	1230	+ 9	56

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	143.8	0.49	1.29	0.29	*	5.12	31.84	2.5
9	106.8	0.16	0.64	*	*	5.11	31.84	1.9
20	174.1	0.41	1.10	*	*	5.11	31.85	3.1
40	135.8	0.67	1.68	*	*	5.11	31.85	2.4
51	139.3	0.34	1.08	*	*	5.10	31.85	2.5

CRUISE NUMBER
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INCLUSIVE DATES
04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07A	59 35.4N	151 45.9W	07 MAY	0345	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	252.5	1.33	4.09	0.31	0.86	5.58	31.79	4.5
11	271.1	0.55	1.56	0.28	0.68	5.12	31.81	4.8
22	292.7	0.47	1.43	0.24	0.62	4.83	31.83	5.2
45	357.2	0.91	1.69	0.23	0.54	4.77	31.85	6.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07B	59 35.4N	151 45.9W	07 MAY	0740	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	511.4	0.90	2.36	0.26	0.46	5.79	31.78	9.3
9	421.5	0.44	1.51	0.25	0.89	5.55	31.75	7.6
19	470.4	0.51	1.90	0.31	0.49	4.93	31.81	8.3
42	492.7	1.42	1.76	0.41	0.52	4.77	31.85	8.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07C	59 35.4N	151 45.9W	07 MAY	1130	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	234.3	0.67	2.44	0.44	0.58	5.30	31.76	4.2
10	390.1	0.80	1.81	0.35	0.46	5.24	31.79	7.0
20	474.5	0.74	1.76	0.31	1.09	5.21	31.78	8.5
44	412.1	0.50	1.65	0.48	*	5.08	31.82	7.3

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07D	59 35.4N	151 45.9W	07 MAY	1530	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	286.3	1.55	1.67	0.50	1.09	5.74	31.79	5.2
11	296.2	0.48	1.50	0.26	0.46	5.51	31.77	5.3
20	214.3	0.60	1.91	0.34	*	5.09	31.84	3.8
46	323.7	0.45	1.36	0.28	0.37	4.91	31.86	5.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07E	59 35.4N	151 45.9W	07 MAY	1930	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	216.1	0.71	2.69	0.42	*	5.78	31.81	3.9
20	455.2	0.79	1.52	0.30	0.38	5.08	31.81	8.1
42	494.3	0.92	1.62	0.25	0.41	4.86	31.83	8.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07F	59 35.4N	151 45.9W	08 MAY	0000	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	281.4	1.18	2.69	0.33	0.61	5.39	31.81	5.0
10	302.9	0.89	1.77	0.31	0.55	5.39	31.81	5.4
20	454.7	1.11	1.74	0.27	0.47	5.09	31.81	8.1
43	388.6	0.82	1.47	0.27	0.38	5.07	31.82	6.9

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LOCATION
COOK INLET

INCLUSIVE DATES
04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB076	59 35.4N	151 45.9W	08 MAY	0415	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	200.6	0.96	1.92	0.35	0.65	5.71	31.79	3.6
10	230.3	1.22	1.75	*	0.25	5.69	31.76	4.1
20	332.5	0.75	1.38	*	0.35	4.99	31.84	5.9
45	358.5	0.71	1.29	*	0.33	4.85	31.85	6.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07H	59 35.4N	151 45.9W	08 MAY	0830	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	325.4	1.18	2.45	0.28	*	5.27	31.78	5.8
12	335.9	0.86	1.55	0.29	0.30	5.30	31.82	6.0
21	371.1	0.72	1.52	*	0.33	5.24	31.80	6.6
38	437.8	0.89	1.53	0.26	*	5.04	31.79	7.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07I	59 35.4N	151 45.9W	08 MAY	1200	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	232.0	0.83	1.75	0.36	0.83	5.40	31.77	4.1
10	306.1	0.96	1.84	0.28	0.75	5.37	31.76	5.5
20	373.5	0.70	1.61	0.30	0.72	5.12	31.79	6.7
45	452.7	0.70	1.59	0.57	0.67	5.05	31.82	8.1

CRUISE NUMBER
RP-4-DI-78A-III

LOCATION
COOK INLET

INCLUSIVE DATES
04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07J	59 35.4N	151 45.9W	08 MAY	1615	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
8	374.6	1.16	1.58	0.35	*	5.82	31.83	6.8
21	363.9	0.75	1.53	0.29	0.62	5.08	31.83	6.5
44	366.2	0.73	1.41	0.27	0.52	4.96	31.85	6.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07K	59 35.4N	151 45.9W	08 MAY	2030	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	308.7	1.19	2.26	0.36	0.74	5.54	31.82	5.6
10	315.0	1.14	2.05	0.25	0.62	5.47	31.80	5.7
18	346.3	0.81	1.77	0.33	0.67	5.36	31.81	6.2
43	488.2	0.77	1.50	0.24	0.61	4.94	31.82	8.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07L	59 35.4N	151 45.9W	09 MAY	0000	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	307.7	0.88	1.76	0.30	0.69	5.43	31.78	5.5
10	379.8	0.86	1.66	0.29	0.67	5.39	31.77	6.8
19	371.5	0.76	1.67	0.29	0.71	5.28	31.79	6.6
45	413.1	1.10	1.88	0.28	0.65	5.16	31.82	7.4

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04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB07M	59 35.4N	151 45.9W	09 MAY	0415	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	300.7	1.55	2.39	*	*	5.52	31.81	5.4
10	292.1	0.58	1.86	0.35	0.66	5.51	31.81	5.2
20	287.3	0.54	1.61	0.30	0.67	5.39	31.82	5.1
49	330.7	0.56	1.39	0.32	0.32	5.05	31.84	5.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB008	59 39.3N	151 16.7W	09 MAY	1830	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	1375.8	0.88	2.37	0.38	0.70	5.59	31.54	24.9
10	1458.2	0.90	2.21	*	0.65	5.30	31.55	26.2
27	1710.0	0.85	1.87	*	*	4.92	31.65	30.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09A	60 28.2N	152 12.2W	12 MAY	2030	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	315.7	0.73	1.11	*	*	4.68	30.68	5.5
20	304.8	0.17	0.47	0.08	*	4.68	30.67	5.3
32	304.2	0.17	0.46	0.07	*	4.68	30.67	5.3

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09B	60 28.2N	152 12.2W	13 MAY	0900	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
10	327.0	0.68	1.02	0.15	0.20	4.82	30.41	5.7
19	300.3	0.78	1.43	0.08	*	4.71	30.55	5.2
31	281.5	0.69	1.00	0.11	0.14	4.73	30.59	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09C	60 28.2N	152 12.2W	13 MAY	1500	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	354.9	0.60	0.81	0.08	0.12	4.75	30.44	6.2
10	360.3	0.63	1.05	0.10	0.13	4.72	30.44	6.3
20	365.4	0.67	1.05	0.06	*	4.71	30.42	6.4
29	366.0	0.58	0.96	0.11	*	4.71	30.42	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09D	60 28.2N	152 12.2W	13 MAY	2145	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
19	302.0	*	*	0.35	0.25	4.79	30.57	5.3
33	273.3	0.12	0.19	*	*	4.79	30.58	4.8

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09E	60 28.2N	152 12.2W	14 MAY	0300	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	394.6	0.22	0.59	*	*	4.89	30.41	6.9
32	311.6	0.27	0.51	*	*	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09F	60 28.2N	152 12.2W	14 MAY	0930	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	298.5	*	0.51	0.20	0.25	4.98	30.39	5.2
33	281.0	T	0.27	0.10	*	4.82	30.57	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB09G	60 28.2N	152 12.2W	14 MAY	2200	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	311.5	0.43	1.01	0.24	*	4.89	30.56	5.5
33	312.2	0.40	0.50	*	*	4.89	30.56	5.5

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10A	60 31.1N	151 30.9W	10 MAY	2030	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	427.2	0.39	0.26	0.08	*	4.09	29.53	7.3
10	425.8	0.53	0.33	*	*	4.09	29.52	7.3
21	428.1	0.44	0.28	0.10	*	4.09	29.52	7.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10B	60 31.1N	151 30.9W	11 MAY	0200	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	437.8	0.98	0.28	0.26	*	*	*	*
10	433.4	0.98	0.22	*	*	*	*	*
18	426.8	0.91	0.15	0.21	*	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10C	60 31.1N	151 30.9W	11 MAY	0800	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	417.8	0.46	0.76	0.13	0.22	4.16	29.59	7.1
10	412.4	0.38	0.30	*	*	4.11	29.57	7.0
23	410.1	0.38	0.18	0.07	*	4.10	29.56	7.0

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10D	60 31.1N	151 30.9W	11 MAY	1400	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	339.5	0.60	0.28	0.15	0.19	4.41	29.30	5.8
10	358.2	0.54	0.35	T	*	4.39	29.28	6.1
17	359.2	0.42	*	*	*	4.31	29.29	6.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10E	60 31.1N	151 30.9W	11 MAY	2000	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	415.0	0.42	T	0.07	*	4.22	29.49	7.1
10	407.0	0.41	0.15	*	*	4.22	29.50	7.0
20	404.3	0.38	T	0.09	*	4.22	29.49	6.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10F	60 31.1N	151 30.9W	12 MAY	0200	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	412.2	0.68	0.07	0.16	*	4.17	29.14	7.0
10	409.9	0.59	T	0.10	*	4.18	29.16	7.0
17	403.4	0.48	0.15	0.10	*	4.18	29.16	6.9

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC002	61 5.3N	150 59.2W	12 MAY	1150	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	659.9	0.71	0.44	0.26	0.26	*	23.75	*
30	690.7	1.56	0.46	0.58	0.21	3.80	25.50	11.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC003	60 59.7N	151 0.5W	12 MAY	1230	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	639.1	0.24	0.37	*	*	*	24.90	*
30	634.4	0.43	0.28	*	*	3.78	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC005	61 0.6N	151 11.1W	12 MAY	1310	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	748.7	1.10	0.34	0.48	*	4.02	24.68	12.4
20	750.6	1.10	0.34	0.43	0.10	*	24.68	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC006	60 56.0N	151 29.0W	12 MAY	1355	+ 9	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1718.2	3.43	0.43	1.02	0.20	*	25.53	*
15	1754.4	3.44	0.31	1.01	0.17	4.41	25.56	29.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC007	60 55.2N	151 22.0W	12 MAY	1435	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	771.5	3.14	0.34	1.55	0.71	3.83	26.28	12.8
30	816.0	2.99	0.26	1.27	0.12	3.98	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC008	60 55.2N	151 9.5W	12 MAY	1540	+ 9	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	704.3	1.88	0.25	0.32	0.15	*	*	*
15	866.8	3.29	0.48	0.77	0.32	3.85	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC010	60 49.4N	151 11.0W	12 MAY	1600	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	138.0	0.40	0.63	0.37	*	4.61	25.60	2.3

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC011	60 48.9N	151 25.0W	12 MAY	1700	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	295.1	1.15	0.48	0.41	*	*	27.44	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC012	60 49.6N	151 35.0W	11 MAY	1525	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	770.9	2.39	0.23	0.88	0.12	*	26.56	*
50	864.0	3.47	0.18	1.44	*	3.81	27.04	14.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC013	60 46.8N	151 41.5W	11 MAY	1610	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1015.0	9.12	0.24	4.83	0.37	*	27.15	*
10	971.4	5.98	0.20	2.45	0.07	4.01	27.36	16.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC014	60 46.5N	151 28.7W	11 MAY	1705	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	553.2	4.29	0.23	2.08	0.35	*	28.19	*
15	538.8	4.03	0.27	1.98	*	*	28.18	*

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UCC15	60 47.3N	151 20.5W	11 MAY	1430	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	150.1	0.17	0.23	*	0.11	*	26.72	*
21	150.2	0.18	0.29	*	*	4.44	26.75	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC016	60 42.8N	151 26.0W	11 MAY	1340	+ 9	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	162.9	0.36	0.22	0.08	0.05	4.67	27.30	2.7
30	168.3	0.17	0.32	0.11	*	*	27.56	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UCC17	60 41.0N	151 36.8W	10 MAY	1240	+ 9	128

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	751.2	2.37	0.40	0.69	0.08	3.91	28.39	12.7
50	744.0	2.24	0.13	0.81	T	*	28.40	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC19A	59 35.1N	152 1.2W	10 MAY	1100	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	378.4	0.35	0.39	0.11	0.13	4.49	30.16	0.6
20	362.6	0.32	0.42	0.08	0.14	*	30.16	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC026	60 18.9N	152 12.2W	14 MAY	2345	+ 9	101

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	307.2	*	0.60	*	*	4.92	30.67	5.4
98	324.1	0.22	0.57	*	*	4.87	30.70	5.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC027	60 9.5N	152 20.4W	15 MAY	0030	+ 9	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	337.9	0.24	0.67	*	*	4.91	30.68	5.9
49	370.8	0.45	0.62	*	*	4.83	30.69	6.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC028	60 9.8N	151 57.0W	15 MAY	0300	+ 9	58

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	283.4	0.55	0.49	*	0.28	5.35	30.34	5.0
53	331.9	0.85	1.38	0.22	*	5.56	31.40	6.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC030	60 9.4N	151 45.2W	15 MAY	0400	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
33	427.1	0.67	1.07	*	*	5.42	30.85	7.6

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04 MAY-17 MAY 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC032	59 50.8N	152 21.2W	15 MAY	0750	+ 9	78

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	257.9	0.53	0.48	*	*	5.28	30.90	4.6
73	179.1	1.33	1.43	*	*	5.04	31.54	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC033	59 49.7N	151 59.5W	15 MAY	0630	+ 9	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	372.0	0.74	2.17	0.36	1.11	5.78	31.65	6.7
32	353.0	1.10	2.31	0.33	1.20	5.78	31.66	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
ST001	59 10.9N	153 19.3W	15 MAY	1500	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	152.4	0.31	0.85	*	*	5.47	30.73	2.7
33	155.9	0.20	0.35	*	*	4.73	31.36	2.7

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
MF001	59 14.0N	153 40.0W	09 MAY	0330	+ 9	34

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	370.7	0.37	0.52	0.09	*	*	*	*
2	377.9	0.27	0.40	0.08	*	*	*	*
3	376.8	0.24	0.44	0.07	*	*	*	*
5	369.3	0.32	0.38	0.08	*	*	*	*
10	338.6	0.29	0.38	T	*	*	*	*
15	392.8	0.31	0.42	0.13	*	*	*	*
20	388.5	0.38	0.45	0.07	*	*	*	*
25	475.0	0.42	0.47	0.08	*	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
MF07A	59 33.3N	151 40.0W	09 MAY	1130	+ 9	73

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	237.9	0.57	1.80	0.24	0.68	5.37	31.80	4.2
2	235.9	0.64	1.61	0.23	0.68	5.37	31.80	4.2
3	220.2	0.72	1.58	0.45	*	5.37	31.80	3.9
5	228.0	0.57	1.67	0.21	0.73	5.36	31.80	4.1
7	223.3	0.68	1.72	0.26	0.80	5.35	31.79	4.0
8	225.5	0.66	1.74	0.23	0.67	5.35	31.78	4.0
12	263.5	0.67	1.66	0.24	0.62	5.21	31.76	4.7
15	294.2	0.64	1.61	0.28	0.59	5.07	31.78	5.2
25	346.7	0.58	1.39	0.23	0.45	4.85	31.81	6.1
50	592.2	0.62	1.14	0.22	0.20	4.64	31.84	10.4

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
MFG7B	59 33.3N	151 40.0W	10 MAY	0300	+ 9	73

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	260.0	0.75	1.41	0.56	*	5.22	31.80	4.6
3	257.4	1.01	1.34	0.29	*	5.22	31.80	4.6
7	255.9	0.49	1.50	0.27	*	5.22	31.80	4.6
9	245.2	0.44	1.41	0.25	*	5.22	31.80	4.4
12	242.5	0.43	1.36	0.25	*	5.23	31.80	4.3
15	244.1	0.43	1.45	0.26	0.36	5.22	31.81	4.3
25	258.3	0.84	1.45	0.26	0.36	5.13	31.82	4.6
50	269.6	0.43	1.38	0.26	*	5.04	31.82	4.8

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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB001	59 14.0N	153 41.7W	30 AUG	2245	+ 9	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	440.9	0.09	0.65	0.13	0.19	12.02	29.97	9.2
10	475.6	0.28	1.35	0.19	0.46	11.93	30.01	9.9
28	605.5	0.29	1.72	0.24	0.41	11.63	30.10	12.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB002	59 16.8N	153 19.6W	30 AUG	1745	+ 9	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	226.3	0.36	1.81	0.29	*	11.49	29.88	4.6
10	225.2	0.31	1.62	0.24	0.43	11.49	29.89	4.6
20	221.0	0.39	1.64	0.25	*	11.49	29.92	4.5
31	218.5	0.36	1.75	0.25	0.45	11.47	30.04	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB003	59 19.5N	153 0.4W	30 AUG	1410	+ 9	64

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	228.7	0.49	2.00	0.29	0.43	11.00	30.21	4.6
9	224.4	0.40	1.90	0.29	0.48	11.00	30.20	4.6
19	212.5	0.42	1.80	0.26	0.52	10.61	30.63	4.3
56	231.0	0.50	1.87	0.34	0.41	9.51	31.76	4.5

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LOCATION
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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB004	59 22.6N	152 40.5W	30 AUG	0835	+ 9	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	236.8	0.31	1.66	0.24	*	11.50	29.76	4.8
10	239.9	0.34	1.79	0.27	0.24	11.50	29.76	4.9
21	250.3	0.41	2.20	*	0.73	10.89	30.49	5.1
57	195.3	0.52	*	0.60	1.26	9.24	31.53	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB005	59 25.9N	152 20.4W	30 AUG	0525	+ 9	71

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	168.3	0.41	1.79	0.26	0.41	10.71	30.65	3.4
9	167.2	0.35	1.79	0.27	0.62	9.91	31.20	3.3
20	196.8	0.40	2.82	0.30	*	9.14	31.63	3.9
66	209.9	0.45	2.25	0.29	0.69	8.92	31.65	4.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB006	59 30.5N	151 59.3W	29 AUG	2335	+ 9	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	164.0	0.48	2.00	0.33	0.54	11.04	30.56	3.3
10	160.9	0.43	1.83	0.31	0.53	9.37	31.47	3.2
21	213.5	0.46	1.99	0.31	0.53	9.19	31.55	4.2
46	227.7	0.44	2.04	0.31	0.55	9.17	31.55	4.5

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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB007	59 33.2N	151 40.0W	29 AUG	1835	+ 9	82

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	768.6	0.76	4.77	0.62	1.39	10.88	30.44	15.7
5	817.9	0.86	4.79	0.73	1.45	10.79	30.47	16.7
20	859.1	0.74	3.31	0.66	0.92	9.60	31.36	17.1
75	376.2	0.53	2.03	0.43	0.55	9.01	31.55	7.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB008	59 39.2N	151 17.1W	29 AUG	1400	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
6	1269.8	1.07	3.35	0.61	1.14	12.01	27.52	26.1
10	3071.7	0.60	3.46	0.66	0.88	9.57	30.93	61.2
26	2946.4	0.84	3.43	0.74	0.77	9.10	31.29	58.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10A	60 22.8N	151 51.5W	31 AUG	1045	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	281.9	0.77	0.89	0.39	0.23	12.85	25.50	5.8
16	282.1	0.47	1.07	0.26	0.25	12.22	27.60	5.8

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LOCATION
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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB108	60 22.8N	151 51.5W	31 AUG	1435	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	408.0	1.01	1.04	0.54	T	12.83	25.35	8.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10C	60 22.8N	151 51.5W	31 AUG	1810	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
21	404.4	0.62	1.64	0.33	0.47	11.83	28.44	8.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10D	60 22.8N	151 51.5W	31 AUG	2350	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	276.5	0.64	0.80	0.38	0.23	12.65	25.92	5.7
16	303.1	0.55	1.15	0.29	0.33	12.28	27.54	6.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10E	60 22.8N	151 51.5W	01 SEP	0220	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	383.3	1.36	0.73	0.76	0.17	12.72	25.04	7.9
20	392.3	0.93	1.22	0.53	0.33	12.37	26.80	8.1

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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10F	60 22.8N	151 51.5W	01 SEP	0600	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	354.9	1.25	0.69	0.73	0.17	12.56	25.01	7.2
19	393.3	0.76	1.30	0.42	0.23	12.17	27.46	8.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10G	60 22.8N	151 51.5W	01 SEP	1035	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	221.5	0.46	0.77	0.27	0.22	12.42	27.12	4.5
16	305.3	0.45	1.08	0.27	0.30	12.22	27.48	6.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10H	60 22.8N	151 51.5W	01 SEP	1410	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	396.7	0.89	1.07	0.46	T	12.65	26.09	8.2
20	388.1	0.79	1.17	0.43	0.29	12.22	27.16	8.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10I	60 22.8N	151 51.5W	01 SEP	1800	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	367.0	0.84	1.14	0.45	0.30	12.37	26.92	8.0
19	383.3	0.66	1.39	0.38	0.38	11.86	28.17	7.9

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10J	60 22.8N	151 51.5W	01 SEP	2240	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	262.6	0.41	1.05	0.25	0.27	12.51	27.25	5.4
16	279.6	0.43	1.08	0.26	0.27	12.45	27.39	5.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10K	60 22.8N	151 51.5W	02 SEP	0200	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	394.5	0.95	1.06	0.51	0.35	12.40	26.72	8.1
20	370.7	0.71	1.25	0.35	0.30	12.15	27.58	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10L	60 22.8N	151 51.5W	02 SEP	0600	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	369.4	0.60	1.45	0.33	0.47	12.28	26.89	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CB10M	60 22.8N	151 51.5W	02 SEP	1010	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	308.2	0.43	1.11	0.26	0.29	12.19	27.53	6.3
16	311.6	0.42	1.12	0.27	0.31	12.20	27.54	6.4

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC001	61 8.4N	150 47.3W	31 AUG	1350	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	352.2	0.43	0.50	0.17	0.18	14.36	12.96	6.9
23	351.4	0.45	0.42	0.19	0.16	14.18	14.39	6.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC002	61 0.3N	151 5.4W	31 AUG	1530	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	442.4	1.94	0.36	1.09	0.12	13.62	18.72	8.9
30	465.4	2.93	0.43	1.84	0.11	13.64	20.11	9.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC003	61 1.8N	150 56.7W	31 AUG	1610	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	349.6	0.89	0.26	0.41	T	13.50	19.26	7.0
30	364.1	1.07	0.29	0.49	0.06	13.80	19.43	7.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC005	60 55.0N	151 26.4W	01 SEP	1220	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	412.1	2.09	0.40	1.28	T	13.78	18.96	8.3
30	483.9	2.22	0.44	1.30	0.11	13.62	19.63	9.8

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC006	60 55.6N	151 4.5W	31 AUG	1710	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	482.4	1.95	0.37	1.02	T	13.52	21.06	9.8
20	481.8	2.01	0.51	1.08	0.12	13.56	21.16	9.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC008	60 46.4N	151 23.0W	01 SEP	1500	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	329.4	0.81	0.71	0.41	0.14	13.27	23.22	6.7
10	338.1	0.94	1.23	0.43	0.25	13.27	23.22	6.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC009	60 48.2N	151 40.0W	01 SEP	1410	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	659.3	5.21	0.52	3.60	0.00	13.38	21.42	13.4
30	692.0	5.47	0.51	4.45	0.11	13.27	21.76	14.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC09A	60 52.1N	151 30.5W	01 SEP	1315	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	523.7	3.18	0.48	2.04	T	13.46	21.32	10.7
30	535.7	3.12	0.47	0.81	0.09	13.40	21.41	10.9

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC010	60 41.3N	151 40.8W	01 SEP	1715	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	469.1	1.96	0.88	1.17	0.24	12.68	24.98	9.6
10	457.1	1.64	1.00	1.00	0.25	12.59	25.98	9.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CBS1A	59 14.1N	153 38.5W	16 AUG	1315	+ 9	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1001.0	0.66	2.94	0.39	0.92	12.56	30.10	21.2
2	1219.6	0.85	3.06	1.05	1.02	12.54	30.11	25.8
4	1152.7	0.77	2.85	0.39	0.91	12.55	30.09	24.4
5	1129.2	0.70	2.90	0.40	0.99	12.56	30.10	23.9
7	915.0	0.56	2.56	0.37	0.82	12.52	30.10	19.4
10	1168.0	1.20	2.58	0.46	0.93	12.09	30.13	24.5
14	1924.1	0.61	2.64	0.39	0.73	11.93	30.13	40.2
20	1410.4	0.57	2.30	0.38	0.31	11.81	30.14	29.4
25	1496.1	1.05	2.31	0.36	0.64	11.80	30.14	31.2

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INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CBS18	59 14.3N	153 37.4W	18 AUG	1310	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	328.8	0.59	2.25	0.33	0.64	12.23	30.09	6.9
2	344.9	0.53	2.16	0.33	0.65	12.24	30.08	7.2
3	345.3	0.63	2.40	0.33	0.80	12.25	30.09	7.2
4	341.9	0.67	2.26	0.35	0.72	12.25	30.07	7.2
6	339.6	0.66	2.16	0.33	0.62	12.23	30.09	7.1
7	362.3	0.61	2.35	0.33	0.64	12.23	30.08	7.6
9	364.9	0.75	2.32	0.34	0.70	12.19	30.06	7.6
12	410.7	0.58	2.37	0.29	*	12.03	30.08	8.6
20	619.1	0.65	2.31	0.36	0.83	11.95	30.09	12.9
25	668.2	0.66	2.36	0.36	0.74	11.94	30.09	13.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CBSC4	59 24.3N	152 39.3W	15 AUG	1935	+ 9	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	136.3	0.58	2.43	0.43	0.94	9.99	30.93	2.7
6	157.0	0.80	2.67	0.46	0.66	9.74	31.31	3.1
9	152.1	0.58	2.45	0.40	*	9.70	31.33	3.0
11	150.4	0.59	2.49	0.40	0.75	9.60	31.35	3.0
16	149.8	0.56	2.38	0.38	0.58	9.52	31.43	2.9
19	163.2	0.64	2.52	0.40	0.75	9.50	31.44	3.2
25	172.3	0.65	2.51	0.40	0.68	9.29	31.55	3.4
30	169.8	0.62	2.46	0.36	0.69	9.23	31.57	3.3
40	155.7	0.63	2.24	0.40	0.61	9.12	31.63	3.0
50	165.7	0.56	2.12	0.36	0.62	8.82	31.71	3.2

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INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CBS7A	59 33.2N	151 37.7W	15 AUG	1340	+ 9	80

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	387.9	0.87	5.52	0.57	1.78	11.60	29.55	8.0
2	359.1	0.83	5.13	0.54	1.67	11.60	29.53	7.4
4	422.9	0.93	5.82	0.56	1.88	11.59	29.55	8.7
5	430.1	0.83	5.35	0.55	1.99	11.55	29.76	8.9
7	*	0.70	3.75	0.56	1.42	11.04	30.98	*
10	286.4	0.97	4.43	0.65	*	10.83	31.19	5.8
15	238.9	1.00	3.45	0.54	0.95	10.42	31.34	4.8
21	255.0	0.82	3.40	0.55	0.90	9.90	31.37	5.1
30	362.2	0.77	3.37	0.57	1.15	9.42	31.52	7.2
50	556.4	0.77	3.05	0.47	0.79	9.05	31.53	10.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
CBS7B	59 33.7N	151 40.0W	16 AUG	2030	+ 9	82

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	283.0	1.00	4.06	0.60	1.33	10.52	31.28	5.7
2	305.1	0.87	3.85	0.57	1.32	10.48	31.30	6.2
4	314.3	0.94	3.92	0.60	1.29	10.44	31.31	6.4
6	304.9	0.81	3.66	0.60	1.24	10.30	31.30	6.1
18	644.0	1.22	5.41	0.57	0.94	9.57	31.42	12.8
24	310.8	0.69	3.27	0.48	0.92	9.41	31.48	6.1
35	304.1	0.61	2.91	0.47	0.84	9.35	31.49	6.0
50	459.6	0.98	3.02	0.53	0.52	9.10	31.53	9.0

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INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LCC01	58 58.1N	153 10.0W	13 MAY	0200	+ 9	143

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	154.4	1.30	*	0.23	0.31	4.76	31.49	2.7
20	123.3	0.62	0.98	0.25	0.33	5.22	32.06	2.2
42	123.7	0.58	1.12	0.26	*	4.87	32.11	2.2
101	130.3	0.56	0.75	0.19	0.19	4.64	32.52	2.3
134	130.3	0.45	0.78	0.17	T	4.64	32.25	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LCC07	59 28.2N	153 13.4W	13 MAY	1100	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	316.0	*	*	0.23	0.38	4.37	31.27	5.5
10	339.3	0.55	1.02	0.18	0.33	4.55	31.35	5.9
22	339.6	0.46	1.00	0.14	0.32	4.55	31.41	5.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC010	59 33.3N	152 5.1W	12 MAY	1915	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	146.9	0.79	1.67	0.32	0.53	5.06	32.01	2.6
20	143.9	0.75	1.31	0.22	0.48	5.01	32.08	2.5
36	143.6	0.73	1.31	0.23	0.39	5.01	32.07	2.5

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INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC012	59 48.2N	152 12.4W	13 MAY	2030	+ 9	52

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	194.7	*	*	*	0.50	4.96	31.97	3.4
20	179.0	0.65	1.42	0.37	0.48	4.97	32.05	3.2
40	174.3	*	2.21	0.27	0.47	4.98	32.05	3.1
45	173.2	0.94	1.72	0.29	0.71	4.98	32.05	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC014	59 47.0N	152 54.9W	13 MAY	1755	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	549.5	*	*	0.15	0.42	4.64	30.98	9.6
9	544.0	0.63	1.21	0.19	0.45	4.63	31.02	9.5
23	550.2	0.36	1.15	0.14	0.39	4.63	31.00	9.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC020	60 20.2N	151 41.2W	14 MAY	0245	+ 9	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	2721.5	0.85	0.44	0.14	0.14	4.13	29.68	46.8
20	2701.8	0.71	0.39	0.10	0.08	4.15	29.75	46.5
35	2705.9	0.94	0.42	0.18	0.09	4.15	29.75	46.6

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC021	59 18.7N	152 11.7W	16 MAY	1900	+ 9	104

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	861.6	0.41	0.70	0.11	0.17	4.58	30.74	15.1
21	894.1	0.38	0.78	0.11	0.22	4.57	30.73	15.6
40	894.1	0.43	0.86	*	0.18	4.56	30.74	15.6
63	850.3	0.35	0.85	0.11	0.16	4.54	30.75	14.9
94	862.2	0.41	0.91	0.11	0.11	4.54	30.74	15.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC032	59 14.5N	152 33.5W	12 MAY	1130	+ 9	73

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	115.2	0.77	1.76	0.24	0.43	4.81	32.13	2.0
11	110.3	0.54	1.02	0.16	0.33	4.80	32.13	1.9
20	114.0	0.65	1.08	0.20	0.36	4.80	32.12	2.0
66	112.6	0.75	1.08	0.18	0.42	4.79	32.12	2.0
73	112.6	0.64	1.06	0.18	0.34	4.79	32.12	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC033	59 10.6N	153 12.4W	13 MAY	0000	+ 9	61

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	258.0	0.53	1.06	0.14	0.23	4.39	31.41	4.5
20	242.4	0.56	1.00	0.15	0.28	4.37	31.48	4.2
41	232.4	0.49	0.90	0.14	0.28	4.29	31.70	4.0
54	161.7	0.67	0.79	0.15	0.22	4.43	31.99	2.8

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC034	59 40.6N	152 39.5W	13 MAY	1600	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	406.7	*	*	0.24	0.34	4.59	31.36	7.1
9	405.3	0.52	1.22	0.19	0.36	4.55	31.35	7.1
20	406.2	1.62	2.22	0.21	0.34	4.55	31.41	7.1
36	419.7	1.63	2.39	0.22	0.31	4.56	31.40	7.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LC035	60 7.2N	152 2.2W	14 MAY	0100	+ 9	62

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1217.9	0.37	0.70	0.11	0.22	4.22	30.34	21.1
20	1045.7	0.92	1.28	0.09	0.15	4.38	30.53	18.2
41	849.6	0.42	0.76	0.10	0.22	4.49	30.84	14.8
54	739.5	0.57	0.66	0.13	0.19	4.50	30.89	12.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC001	60 57.2N	151 8.5W	14 MAY	1530	+ 9	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1583.6	0.23	0.52	T	T	3.86	23.68	25.9

CRUISE NUMBER
RP-4-D1-79A-11

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC002	60 56.8N	151 18.3W	14 MAY	1630	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	529.8	0.46	0.22	0.12	T	3.83	25.80	5.8
15	1509.0	1.16	0.55	0.50	0.12	3.72	25.08	24.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC003	60 56.7N	151 26.9W	14 MAY	1730	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
7	2637.0	10.79	0.25	4.76	0.07	*	25.99	*
20	2642.4	11.52	0.22	4.84	T	3.84	26.00	43.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC004	60 53.1N	151 35.5W	17 MAY	1525	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	4085.9	19.37	0.27	8.56	T	4.34	25.72	68.8
13	4091.6	21.34	0.27	9.94	T	4.29	25.76	68.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC005	60 53.8N	151 29.2W	17 MAY	1445	+ 9	61

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	1996.2	2.32	*	0.74	T	4.18	26.01	33.5
38	2016.4	2.73	0.24	0.98	T	4.14	26.08	33.8

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC008	60 48.3N	151 32.1W	14 MAY	1330	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	2004.5	1.71	0.94	*	T	3.70	26.59	33.3
20	1989.4	1.66	0.28	0.48	T	3.68	26.58	33.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC009	60 47.4N	151 35.4W	17 MAY	1330	+ 9	78

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	2396.4	5.28	1.66	2.14	*	4.13	27.63	40.6
45	2560.4	4.87	*	2.05	T	4.07	27.76	43.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC010	60 50.3N	151 39.5W	17 MAY	1555	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
9	2328.7	4.02	*	1.05	T	4.27	26.24	39.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC10A	60 48.8N	151 43.3W	17 MAY	1620	+ 9	7

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	2290.9	5.15	0.27	1.77	T	4.39	26.32	38.8

CRUISE NUMBER
RP-4-D1-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC011	60 48.0N	151 42.7W	17 MAY	1725	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	2481.0	19.00	*	11.18	T	4.18	26.55	41.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC11A	60 47.3N	151 43.0W	17 MAY	1755	+ 9	8

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	2378.5	15.34	0.64	8.58	*	4.23	26.64	40.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC012	60 49.8N	151 40.3W	14 MAY	1900	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	2555.8	5.00	0.24	1.66	0.05	4.06	27.35	43.2
20	2932.4	3.35	0.33	1.06	0.07	4.14	28.24	50.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC12A	60 45.5N	151 40.4W	17 MAY	1655	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	2552.2	16.99	*	9.27	T	4.13	26.68	43.0

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC013	60 42.4N	151 39.6W	17 MAY	1840	+ 9	17

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
7	2227.6	5.26	0.14	2.09	T	4.24	27.68	37.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC014	60 42.3N	151 32.8W	17 MAY	1920	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	1976.1	2.75	0.37	1.05	T	4.22	28.19	33.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC015	60 32.0N	151 30.3W	15 MAY	1345	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
15	689.3	0.31	0.43	0.07	0.17	*	29.31	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC016	60 32.6N	151 40.8W	15 MAY	1435	+ 9	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	2809.6	4.16	0.37	1.95	0.10	4.00	28.01	47.0
44	2872.9	3.80	0.31	1.64	0.10	*	28.09	*

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC017	60 36.3N	151 45.5W	15 MAY	1530	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	2845.2	3.65	0.39	1.57	0.16	4.09	28.06	48.3
10	3063.4	3.86	0.40	1.61	0.12	4.00	28.06	51.9

APPENDIX C

Kodiak Shelf

C.1

ACONA 245-77

28 Jun. - 16 Jul. 1977

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM01K	58 35.0N	152 0.0W	13 JUL	0100	+ 9	157

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	100.5	0.58	3.15	0.48	1.07	11.49	31.56	2.1
21	169.9	0.51	1.76	0.37	0.40	8.40	31.68	3.3
41	205.0	0.45	1.21	0.26	0.24	6.93	32.03	3.8
101	164.4	0.32	0.98	0.20	0.20	6.08	32.56	3.0
141	175.0	0.26	0.72	0.18	T	5.76	32.75	3.2
151	170.4	0.24	0.68	0.16	T	5.75	32.76	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM02K	58 29.0N	151 25.0W	13 JUL	0330	+ 9	158

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	79.7	0.41	3.38	0.36	1.05	13.03	31.67	1.7
20	147.8	0.74	2.60	0.51	0.55	9.74	31.80	2.9
41	155.2	0.44	2.06	0.35	0.50	8.10	32.03	3.0
101	187.1	0.32	0.75	0.21	0.21	5.86	32.66	3.4
141	190.7	0.27	0.72	0.18	T	5.71	32.76	3.4
152	192.1	0.27	0.50	0.18	T	5.71	32.77	3.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03K	58 22.0N	150 50.0W	13 JUL	0720	+ 9	65

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	81.6	0.45	3.58	0.41	1.14	12.66	31.68	1.7
11	116.1	0.46	2.55	0.39	0.64	9.10	31.87	2.3
21	147.4	0.46	2.08	0.36	0.49	8.06	32.02	2.8
41	195.8	0.41	1.56	0.30	0.37	7.22	32.24	3.7
61	206.7	0.42	1.59	0.33	0.40	7.21	32.25	3.9

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM04K	58 15.0N	150 15.0W	13 JUL	1115	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	335.6	0.60	3.89	0.53	1.24	11.06	32.03	6.9
10	447.7	0.63	3.71	0.52	1.10	10.17	31.86	9.1
21	532.3	0.64	3.31	0.54	0.95	9.28	32.14	10.6
40	567.0	0.65	3.36	0.54	0.92	9.24	32.15	11.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM05K	58 10.0N	149 40.0W	13 JUL	1400	+ 9	113

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	80.7	0.48	3.97	0.46	1.35	13.62	31.82	1.7
20	130.8	0.42	2.24	0.35	0.37	8.66	31.99	2.5
41	173.5	0.52	1.02	0.28	0.19	6.55	32.32	3.2
61	158.9	0.29	0.92	0.21	0.20	6.11	32.56	2.9
101	267.1	0.32	0.79	0.17	*	5.40	32.96	4.8
109	402.1	0.39	1.00	0.21	0.23	5.45	33.02	7.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM06K	58 3.0N	149 3.0W	13 JUL	1740	+ 9	130

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	83.0	0.40	3.87	0.37	1.05	13.65	31.96	1.8
10	81.7	0.40	3.65	0.37	1.00	12.64	31.85	1.7
20	117.2	0.38	2.74	0.35	0.58	11.00	32.07	2.4
41	117.2	0.34	1.78	0.26	0.25	8.21	32.41	2.2
100	267.3	0.25	0.73	0.15	T	5.40	32.96	4.8
125	409.8	0.23	0.65	0.17	T	5.40	33.08	7.4

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM07K	57 39.0N	150 15.0W	14 JUL	0445	+ 9	137

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	129.6	0.71	4.33	0.60	1.37	11.38	32.11	2.7
11	124.0	0.64	4.02	0.54	1.25	11.35	32.12	2.5
21	146.9	0.67	3.44	0.56	1.05	11.23	32.10	3.0
41	232.5	0.62	2.22	0.47	0.61	8.12	32.19	4.5
101	360.3	0.40	1.01	0.27	0.24	5.85	32.68	6.6
132	324.2	0.34	0.76	*	0.13	5.44	33.06	5.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM08K	57 47.0N	150 50.0W	14 JUL	1000	+ 9	80

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	133.5	0.81	4.15	0.65	1.38	11.03	32.14	2.7
10	154.5	0.74	*	0.60	1.24	10.85	32.11	3.1
20	214.5	0.63	1.67	0.69	0.71	8.10	32.16	4.1
40	279.7	0.50	1.97	0.37	0.49	6.80	32.26	5.2
75	289.8	0.54	2.01	0.41	0.52	6.76	32.26	5.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM8KA	57 57.1N	150 29.9W	15 JUL	2050	+ 9	146

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	123.8	0.44	3.32	0.45	0.93	11.76	32.02	2.6
20	169.4	0.43	2.40	0.38	0.53	9.47	32.08	3.3
41	429.2	0.40	1.33	0.28	0.25	6.70	32.36	8.0
101	347.7	0.31	0.83	0.21	T	5.68	32.84	6.3
131	314.1	0.32	0.77	0.22	T	5.50	32.98	5.7
140	295.9	1.19	1.09	0.28	T	5.43	33.04	5.3

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM09K	57 57.0N	151 25.0W	14 JUL	1230	+ 9	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	205.6	0.73	5.03	0.62	1.94	12.06	31.95	4.3
11	213.8	0.70	4.38	0.59	1.41	11.23	32.05	4.4
21	286.7	0.76	4.27	0.65	1.30	10.98	31.98	5.9
41	274.1	0.59	2.13	0.47	0.55	7.38	32.23	5.2
64	280.4	*	*	*	*	7.06	32.26	5.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM10K	58 6.0N	152 0.0W	12 JUL	2100	+ 9	62

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	103.7	0.61	4.35	0.50	1.31	11.52	31.79	2.1
11	143.2	0.60	2.82	0.46	0.77	8.83	31.95	2.8
20	147.9	0.56	2.52	0.46	0.69	8.38	31.99	2.8
41	157.4	0.53	2.19	0.38	0.59	7.90	32.08	3.0
56	164.4	0.55	2.03	0.39	0.53	7.68	32.13	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11K	57 33.0N	152 0.0W	14 JUL	1730	+ 9	69

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	170.6	0.80	4.48	0.67	1.36	10.85	31.87	3.5
12	173.5	0.81	4.39	0.68	1.32	10.73	31.84	3.5
22	235.0	0.75	3.86	0.59	1.10	10.28	31.96	4.7
41	685.2	0.80	2.82	0.53	0.63	8.23	32.02	13.3
65	894.3	0.76	2.37	0.46	0.56	7.40	32.19	17.0

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM12K	57 22.0N	151 30.0W	15 JUL	1350	+ 9	80

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	209.9	0.57	4.11	0.49	1.38	11.67	32.09	4.4
11	322.1	0.80	3.86	0.63	1.23	11.58	32.06	6.7
21	392.1	0.80	2.91	0.54	0.79	8.53	32.15	7.6
41	1018.0	0.84	2.29	0.51	0.54	7.25	32.18	19.3
62	864.1	0.66	1.93	0.43	0.42	6.62	32.28	16.1
76	1882.2	0.68	1.67	0.45	0.40	6.19	32.43	34.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM15K	57 0.0N	152 10.0W	15 JUL	0915	+ 9	71

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	125.1	0.33	2.83	0.32	0.80	12.22	31.98	2.6
11	133.8	0.33	2.71	0.31	0.75	12.22	31.99	2.8
20	233.4	0.62	3.09	0.49	0.78	9.67	31.92	4.6
67	679.2	0.50	1.53	0.32	0.27	6.35	32.42	12.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM16K	57 12.0N	152 39.0W	14 JUL	2200	+ 9	65

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	369.2	0.88	4.65	0.77	1.60	10.74	31.62	7.5
11	432.9	0.81	4.09	0.67	1.26	9.64	31.89	8.6
21	644.6	0.76	3.01	0.64	0.87	7.75	32.10	12.3
41	1054.9	0.68	2.22	0.48	0.53	7.05	32.20	19.9
62	1178.3	0.72	2.09	0.51	0.48	6.81	32.23	22.1

CRUISE NUMBER
ACONA 245-77

LOCATION
KODIAK SHELF

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM17K	56 53.0N	153 20.0W	15 JUL	0215	+ 9	170

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	333.7	0.72	4.34	0.74	1.64	11.32	31.59	6.9
21	190.7	0.44	1.81	0.35	0.30	8.03	32.00	3.6
41	302.8	0.40	1.41	0.28	0.30	7.00	32.15	5.7
165	1235.2	0.45	0.72	0.36	0.20	5.77	32.67	22.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM18K	56 40.0N	152 58.0W	15 JUL	0500	+ 9	77

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	132.4	0.33	2.77	0.30	0.95	12.26	31.98	2.8
12	276.9	0.57	2.36	0.48	0.51	9.12	31.86	5.4
21	732.7	0.46	1.63	0.39	0.30	7.56	32.13	14.0
41	1095.1	0.48	1.29	0.31	0.25	6.36	32.32	20.3
72	1002.1	0.62	1.24	0.45	0.36	5.98	32.45	18.4

APPENDIX D

Shelikof Strait

D.1	RP-4-77A-IV	05 Apr. - 22 Apr. 1977
D.2	ACONA 245-77	28 Jun. - 16 Jul. 1977
D.3	RP-4-DI-79A-II	07 May - 20 May 1979

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM041	58 50.7N	153 9.2W	13 APR	0210	+10	182

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	111.3	0.27	0.48	0.19	0.32	4.85	31.58	1.9
22	123.1	0.24	0.44	0.16	0.24	4.86	31.58	2.1
101	*	0.29	0.47	0.16	0.26	4.93	31.62	*
174	209.4	0.37	0.37	0.15	0.20	5.14	31.92	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	58 35.7N	153 25.5W	14 APR	1600	+10	110

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	193.2	0.46	0.53	0.18	0.27	4.67	31.60	3.4
21	147.6	0.47	0.48	0.17	0.22	4.67	31.62	2.6
110	101.2	0.27	0.61	0.11	0.27	4.67	31.77	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	58 29.0N	153 10.8W	14 APR	1900	+10	169

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
5	106.5	0.32	0.51	0.16	0.28	4.78	31.79	1.8
168	136.0	0.45	0.65	0.15	0.42	5.43	32.17	2.5

CRUISE NUMBER
RP-4-DI-77A-IV

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
05 APR-22 APR 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	58 24.9N	153 0.0W	14 APR	2010	+10	202

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
20	110.2	0.57	0.94	0.09	0.16	4.15	31.89	1.9
151	93.5	0.22	0.48	0.11	0.20	4.34	31.43	1.6
199	214.1	0.20	0.37	0.12	0.22	5.63	32.46	3.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	58 2.0N	153 29.5W	15 APR	0120	+10	96

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
21	110.0	0.27	0.87	0.17	0.48	4.22	31.70	1.9
60	123.0	0.21	0.46	0.10	0.72	4.26	31.75	2.1
89	110.3	0.36	0.81	*	*	4.98	31.89	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM046	58 10.0N	153 44.2W	15 APR	0500	+10	192

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	108.3	0.34	0.57	0.16	0.80	4.54	31.69	1.9

CRUISE NUMBER
ACONA 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM041	58 50.7N	153 9.2W	08 JUL	1035	+ 9	182

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	253.7	0.43	2.16	0.35	0.74	9.38	30.71	5.0
20	265.5	1.52	2.08	0.59	0.50	8.70	31.06	5.5
41	148.4	0.43	1.71	0.34	0.36	7.68	31.79	2.8
101	158.8	0.41	1.37	0.25	0.35	7.04	32.09	2.9
179	273.4	0.49	0.98	0.34	0.26	6.06	32.40	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	58 35.7N	153 25.5W	09 JUL	0720	+ 9	119

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	440.5	0.86	2.31	0.39	0.89	10.32	29.87	8.8
10	500.7	1.05	2.07	0.44	0.75	9.50	30.22	9.9
20	475.6	1.21	1.98	0.47	0.65	9.03	30.56	9.3
61	170.6	0.61	1.76	0.37	0.39	8.08	31.40	3.2
114	156.0	0.54	1.52	0.41	0.41	7.23	32.05	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	58 29.0N	153 10.8W	09 JUL	1025	+ 9	173

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	375.3	0.85	2.85	0.48	0.98	10.26	30.26	7.5
10	187.6	0.48	2.51	0.45	0.61	9.08	31.01	3.6
20	150.0	0.46	2.18	0.32	0.58	8.63	31.34	2.9
61	146.1	0.50	1.65	0.31	0.40	7.35	32.02	2.7
101	147.7	0.41	1.21	0.23	0.30	6.33	32.14	2.7
169	390.9	0.32	1.00	0.25	0.31	5.53	32.63	7.1

CRUISE NUMBER
ACON 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	58 24.9N	153 0.0W	09 JUL	1200	+ 9	200

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	131.9	0.63	3.95	0.46	1.61	11.94	30.07	2.7
11	151.0	0.65	2.83	0.58	0.99	10.26	31.09	3.0
21	226.6	0.68	2.18	0.48	0.59	8.51	31.58	4.4
61	140.0	0.45	1.43	0.30	0.37	7.05	32.05	2.6
101	183.9	0.35	1.13	0.23	0.29	6.31	32.19	3.4
196	552.7	0.36	1.00	0.38	1.14	5.35	33.03	10.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	58 2.0N	153 29.5W	09 JUL	2220	+ 9	102

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	199.9	0.61	3.15	0.42	1.15	10.12	31.19	4.0
10	146.1	0.53	2.27	0.48	0.66	8.82	31.48	2.8
20	107.8	0.55	2.75	0.46	0.73	9.54	31.74	2.1
61	137.1	0.37	1.26	0.24	0.24	6.62	32.05	2.5
98	167.9	0.40	1.07	0.23	0.24	6.32	32.17	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM046	58 10.0N	153 44.2W	09 JUL	1910	+ 9	196

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	321.9	0.68	2.57	0.45	0.53	10.90	29.98	6.5
10	212.6	0.56	2.06	0.52	0.61	9.78	30.90	4.2
20	188.9	0.66	1.78	0.37	0.37	8.38	31.31	3.6
61	148.3	0.51	1.32	0.33	0.24	7.20	31.90	2.8
101	153.2	0.40	1.30	0.24	0.24	6.72	32.11	2.9
192	773.6	0.38	0.72	0.27	0.16	5.22	33.28	14.0

CRUISE NUMBER
ACONA 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	58 17.5N	153 57.4W	09 JUL	1645	+ 9	250

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	488.7	0.82	3.06	0.49	1.28	11.59	28.72	10.0
11	463.5	0.97	2.44	0.61	0.89	10.43	29.81	9.3
20	533.5	1.05	2.29	0.55	0.76	9.66	30.19	10.6
61	119.2	0.52	2.48	0.41	0.67	8.09	31.74	2.3
101	156.4	0.39	1.20	0.24	0.27	6.43	32.05	2.9
248	599.8	0.35	0.72	0.23	0.16	5.05	33.41	10.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	57 58.2N	154 36.8W	10 JUL	0300	+ 9	208

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	207.7	0.69	3.57	0.46	1.37	12.16	29.68	4.3
11	223.0	0.66	2.35	0.44	0.92	11.29	29.74	4.5
21	254.3	0.83	2.74	0.57	0.94	10.31	30.33	5.1
41	353.5	1.00	1.65	0.41	0.40	7.77	30.80	6.7
61	354.1	0.40	1.89	0.35	0.32	7.95	31.54	6.8
101	158.3	0.39	1.21	0.25	0.16	6.42	31.95	2.9
205	642.4	0.35	0.77	0.24	T	5.10	33.36	11.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM049	57 50.4N	154 25.7W	10 JUL	0600	+ 9	216

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	118.6	0.56	3.43	0.48	1.17	11.21	29.82	2.4
11	119.2	0.63	2.72	0.49	0.84	9.96	30.97	2.3
20	142.9	0.57	1.82	0.40	0.32	8.22	31.60	2.7
61	150.0	0.40	1.07	0.25	*	6.40	32.01	2.7
101	190.4	0.34	0.94	0.21	T	5.94	32.16	3.4
212	572.5	0.41	0.72	0.24	T	5.17	33.26	10.3

CRUISE NUMBER
ACONA 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM050	57 42.2N	154 18.4W	10 JUL	0915	+ 9	177

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	108.9	0.54	3.24	0.40	1.09	11.03	30.75	2.2
10	134.8	0.66	2.60	0.47	0.79	9.61	31.07	2.6
20	327.7	0.72	2.72	0.55	0.72	8.87	31.87	6.4
61	161.5	0.39	1.22	0.24	0.22	6.25	32.01	2.9
101	234.2	0.33	0.90	0.19	0.16	5.81	32.22	4.2
173	335.5	0.29	0.87	0.20	T	5.25	33.11	6.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM051	56 56.0N	154 44.5W	11 JUL	0015	+ 9	48

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	113.6	0.43	3.53	0.47	1.25	11.79	31.59	2.3
12	468.7	0.66	3.35	0.59	1.03	10.13	31.82	9.5
21	479.5	0.65	3.17	0.56	0.98	9.66	31.86	9.6
44	594.0	0.91	3.02	0.66	0.90	8.93	31.95	11.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM052	57 5.3N	154 59.1W	10 JUL	2225	+ 9	170

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	91.7	0.56	3.78	0.47	1.37	11.24	31.41	1.9
10	94.6	0.51	2.34	0.47	0.96	10.01	31.49	1.9
20	156.6	0.59	2.05	0.54	0.87	9.09	31.61	5.0
61	157.7	0.43	0.76	0.27	T	5.44	32.04	2.8
101	271.7	0.33	0.71	0.23	T	5.39	32.51	4.9
165	547.9	0.40	0.57	0.27	T	5.16	33.02	5.9

CRUISE NUMBER
ACONA 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM053	57 13.5N	155 13.0W	10 JUL	2000	+ 9	234

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	102.6	0.66	3.96	0.49	1.37	11.57	31.09	2.1
10	134.1	0.57	2.41	0.48	0.77	8.70	31.28	2.6
20	297.0	0.71	2.06	0.52	0.56	8.09	31.78	5.7
61	155.6	0.49	0.96	0.28	T	6.15	31.99	2.8
101	191.5	0.32	0.58	0.20	T	5.65	32.21	3.4
230	512.9	0.40	0.62	0.20	T	4.88	33.47	9.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM054	57 22.2N	155 26.6W	10 JUL	1700	+ 9	267

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	100.3	0.52	4.10	0.35	1.40	11.33	30.79	2.0
11	127.2	0.69	2.96	0.62	0.87	9.69	31.29	2.5
20	153.8	0.61	1.86	0.55	0.41	7.39	31.81	2.9
61	144.3	0.42	1.26	0.29	0.23	6.13	31.99	2.6
101	161.4	0.36	0.86	0.32	0.17	6.07	32.14	2.9
263	454.4	0.34	0.52	0.28	T	4.90	33.50	8.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM055	57 30.2N	155 36.6W	10 JUL	1345	+ 9	296

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	252.0	0.70	3.04	0.43	1.12	10.87	30.08	5.1
11	297.9	0.90	2.51	0.48	0.71	10.26	30.11	6.0
21	181.7	0.67	2.40	0.41	0.63	8.84	31.31	3.5
62	162.7	0.50	1.42	0.33	0.27	7.09	31.86	3.0
101	141.3	0.37	1.14	0.23	0.23	6.20	32.05	2.6
292	447.9	0.44	0.71	0.22	T	4.89	33.51	8.0

CRUISE NUMBER
ACONA 245-77

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM057	56 45.0N	155 54.0W	11 JUL	0530	+ 9	292

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	90.8	0.49	3.95	0.36	1.35	11.54	31.04	1.8
10	112.8	0.58	2.95	0.44	1.07	10.26	31.12	2.2
20	122.2	0.49	2.11	0.43	0.72	9.64	31.36	2.4
61	219.4	0.55	1.39	0.38	0.32	6.55	31.77	4.0
101	160.4	0.41	0.81	0.25	T	5.53	32.03	2.9
290	514.0	0.33	0.59	0.22	T	4.79	33.59	9.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM058	56 27.0N	155 27.0W	11 JUL	0900	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	635.2	0.80	4.26	0.55	1.27	10.30	32.00	12.9
10	823.7	0.86	3.25	0.57	1.02	9.05	32.01	16.3
20	856.2	0.79	2.72	0.56	0.84	8.72	32.03	16.8
41	279.3	0.74	2.19	0.41	0.52	7.11	32.01	5.2
50	282.5	0.69	1.72	0.40	0.44	6.62	32.07	5.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM059	56 13.0N	155 5.0W	11 JUL	1130	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	681.9	0.78	2.78	0.56	0.93	9.39	31.99	13.6
10	609.0	0.70	2.72	0.59	0.90	9.32	31.99	13.7
20	712.1	0.79	2.79	0.54	0.89	9.28	31.99	14.1
24	651.0	0.76	2.61	0.46	*	9.27	32.00	12.9

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS002	56 44.2N	155 56.0W	08 MAY	2230	+ 9	302

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	127.0	0.71	1.68	0.28	0.50	5.29	31.99	2.2
248	440.1	0.50	0.66	0.16	0.16	4.66	33.07	7.6
274	322.1	0.48	0.65	0.21	0.16	4.78	33.17	5.7
289	267.6	0.33	0.68	0.20	0.17	4.78	33.17	4.8
300	251.6	0.33	0.68	0.19	0.17	4.79	33.18	4.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS003	57 42.2N	154 28.6W	10 MAY	0400	+ 9	206

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	186.2	0.98	1.26	0.34	0.44	*	*	*
183	399.9	0.63	0.55	0.18	0.15	*	*	*
193	415.4	0.29	0.35	0.13	0.11	*	*	*
201	304.6	0.36	0.44	0.17	0.15	*	*	*
203	277.3	T	0.32	0.13	0.09	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS009	58 25.5N	153 12.4W	11 MAY	0745	+ 9	168

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	133.0	0.81	1.73	0.27	0.56	5.57	31.89	2.4
146	366.0	0.26	0.26	0.16	0.10	4.36	32.54	6.4
157	448.5	0.37	0.40	0.16	0.12	4.37	32.56	7.9
164	554.9	0.47	0.48	0.17	0.15	4.39	32.64	9.8
167	323.8	T	T	T	T	4.41	32.63	5.7

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS014	58 50.6N	152 53.5W	19 MAY	2000	+ 9	160

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	124.3	0.59	1.12	0.24	0.31	5.97	32.17	2.2
20	128.4	0.49	0.96	0.22	0.30	5.87	32.23	2.3
50	126.6	0.64	*	0.24	0.26	5.26	32.27	2.2
101	127.6	0.38	0.84	0.20	0.22	5.04	32.36	2.2
160	169.1	0.30	0.57	0.17	0.14	4.45	32.44	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS015	58 50.0N	152 52.5W	19 MAY	1900	+ 9	164

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	111.6	1.13	2.80	0.53	0.39	5.96	32.19	2.0
20	116.7	0.47	1.00	0.20	0.27	5.52	32.24	2.1
50	113.0	0.67	1.45	0.15	0.31	5.19	32.30	2.0
101	86.4	0.60	0.65	0.13	0.17	4.99	32.38	1.6
150	192.9	0.41	0.65	0.19	0.25	4.48	32.44	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS016	58 51.2N	153 8.5W	19 MAY	1730	+ 9	162

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	463.2	0.58	1.36	0.29	*	5.48	31.08	5.3
21	129.6	0.68	0.85	0.24	0.21	5.02	32.06	2.3
50	129.9	0.54	0.85	0.20	0.24	5.01	32.10	2.3
103	133.8	0.55	0.93	0.21	0.25	5.04	32.14	2.4
152	132.6	0.52	1.01	0.24	0.21	5.00	32.18	2.3

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
SHELIKOF STRAIT

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SS017	59 4.3N	151 52.8W	20 MAY	0100	+ 9	124

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	141.3	0.42	0.90	0.22	0.24	5.18	31.88	2.5
20	151.2	0.45	0.83	0.22	0.28	5.18	31.92	2.7
50	144.5	0.67	*	0.19	0.29	5.12	31.94	2.5
81	145.7	0.50	0.80	0.20	0.32	5.08	31.97	2.6
114	146.0	0.46	1.00	0.21	0.28	5.04	31.98	2.6

APPENDIX E
Southeast Bering Sea

E.1	RP-4-DI-75B-III	12 Sep. - 03 Oct. 1975
E.2	RP-4-MW-76B-VIII	25 Jun. - 08 Jul. 1976

CRUISE NUMBER
RP-4-D1-728-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	58 43.4N	167 21.2W	16 SEP	0335	+10	44

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	58.1	0.66	*	0.41	*	6.32 31.44 1.0
39	56.1	1.31	*	0.35	*	6.31 31.45 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	59 3.6N	166 49.3W	16 SEP	0900	+10	35

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	54.2	1.06	*	0.33	*	7.09 31.24 1.0
10	50.4	1.09	*	0.47	*	7.08 31.24 0.9
26	49.8	1.03	*	0.34	*	7.05 31.25 0.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	59 25.5N	165 16.7W	16 SEP	1253	+10	47

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	54.1	0.86	*	0.35	*	8.81 31.07 1.0
10	46.5	0.76	*	0.36	*	8.79 31.07 0.9
21	44.9	0.73	*	*	*	8.78 31.08 0.8

CRUISE NUMBER
RP-4-DI-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	59 38.5N	165 51.5W	16 SEP	1450	+10	25

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	44.6	0.66	*	0.37	*	9.27 30.66 0.8
10	45.3	0.63	*	0.32	*	9.27 30.66 0.8
20	45.3	0.67	*	0.30	*	9.26 30.65 0.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM005	59 30.1N	164 23.9W	16 SEP	1905	+10	18

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	47.9	0.69	*	0.17	*	10.34 28.34 0.9
10	48.7	0.74	*	0.37	*	10.34 28.33 0.9
15	46.6	0.75	*	0.21	*	10.34 28.33 0.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	59 8.1N	164 55.2W	16 SEP	2130	+10	25

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	49.5	0.70	*	0.53	*	9.50 30.84 0.9
9	47.8	0.75	*	0.43	*	9.50 30.85 0.9
18	48.3	0.77	*	0.43	*	9.49 30.87 0.9

CRUISE NUMBER
RP-4-D1-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	58 47.4N	165 27.1W	16 SEP	2345	+10	30

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	50.2	0.79	*	0.41	*	8.68 31.39 0.9
10	47.8	0.72	*	*	*	8.68 31.39 0.9
22	45.9	0.77	*	0.46	*	8.67 31.39 0.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	58 24.0N	166 56.5W	17 SEP	0436	+10	44

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	57.8	1.16	*	0.34	*	7.08 31.52 1.0
5	54.2	1.17	*	0.59	*	7.08 31.51 1.0
36	53.9	1.20	*	0.09	*	7.08 31.52 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	57 52.3N	164 53.2W	24 SEP	0803	+10	50

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	55.3	1.36	*	0.39	*	5.79 31.42 1.2
11	59.1	1.48	*	0.38	*	5.73 31.44 1.0
47	70.4	2.16	*	0.50	*	5.40 31.51 1.2

CRUISE NUMBER
RP-4-D1-75B-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM010	58 13.6N	164 21.9W	24 SEP	1050	+10	42

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	58.9	1.40	*	0.88	*	7.19 31.24 1.1
10	56.1	1.28	*	0.92	*	7.18 31.24 1.0
36	60.5	1.33	*	0.51	*	7.16 31.28 1.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM011	58 35.7N	163 49.8W	24 SEP	1327	+10	36

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	60.1	0.27	*	0.29	*	8.20 30.85 1.1
10	57.3	0.88	*	0.29	*	8.21 30.85 1.1
25	60.4	0.94	*	0.27	*	6.22 30.85 1.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM012	58 54.8N	163 21.5W	18 SEP	0055	+10	27

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	56.5	0.71	*	1.26	*	9.40 30.22 1.1
10	58.2	0.28	*	*	*	9.40 30.22 1.1
20	54.4	0.94	*	*	*	9.40 30.22 1.0

CRUISE NUMBER
RP-4-DI-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM013	58 31.9N	162 9.7W	18 SEP	1710	+10	40

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	69.5	0.78	*	0.40	*	8.96 29.37 1.3
10	66.7	0.77	*	0.41	*	8.38 29.72 1.2
36	98.0	1.53	*	*	*	8.33 30.67 1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	58 9.8N	162 40.3W	18 SEP	2000	+10	38

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	74.3	1.40	*	0.54	*	8.57 30.73 1.3
10	74.8	1.48	*	0.35	*	8.57 30.72 1.3
30	69.4	1.21	*	0.37	*	8.53 30.72 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM015	57 48.0N	163 14.2W	18 SEP	2240	+10	36

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	71.0	1.65	*	0.48	*	4.95 31.47 1.2
10	80.0	1.56	*	0.41	*	4.96 31.47 1.1
33	64.3	1.57	*	*	*	4.97 31.47 1.1

CRUISE NUMBER
RP-4-01-75B-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	57 20.3N	163 48.7W	19 SEP	0113	+10	57

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	51.0	0.93	*	0.38	*	6.26 31.62 0.9
10	47.9	0.89	*	0.35	*	6.27 31.63 0.8
30	64.2	1.00	*	0.28	*	2.75 31.81 1.0
48	64.7	1.67	*	0.35	*	2.75 31.80 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	57 6.0N	161 57.8W	19 SEP	0655	+10	53

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	68.9	1.08	*	0.36	*	* * *
10	67.9	1.30	*	0.42	*	2.75 31.60 1.2
46	75.4	1.55	*	0.46	*	4.39 31.70 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	57 34.2N	161 40.1W	19 SEP	1011	+10	48

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	83.2	1.36	*	0.40	*	4.61 31.31 1.4
5	80.9	1.34	*	0.43	*	4.01 31.32 1.4
40	83.8	1.43	*	0.43	*	4.60 31.32 1.4

CRUISE NUMBER
RP-4-01-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	58 2.1N	161 29.5W	19 SEP	1245	+10	46

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	74.3	0.90	*	*	*	*
10	67.9	1.38	*	0.42	*	*
42	69.0	1.41	*	0.55	*	6.03 31.03 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	58 28.2N	161 23.5W	19 SEP	1550	+10	24

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	81.8	0.97	*	0.45	*	8.53 29.46 1.5
10	80.0	0.95	*	0.43	*	8.54 29.47 1.5
18	89.8	1.27	*	0.59	*	7.99 29.90 1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	58 27.2N	159 46.1W	19 SEP	2130	+10	31

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	93.7	0.25	*	*	*	9.74 28.91 1.6
11	95.1	0.34	*	0.49	*	9.74 28.91 1.6
26	74.6	1.01	*	0.60	*	9.26 29.37 1.4

CRUISE NUMBER
RP-4-01-75B-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	58 0.3N	159 46.0W	20 SEP	0156	+10	46

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	55.8	1.56	*	0.91	*	8.32 30.40 1.0
10	55.3	1.36	*	1.07	*	* * *
40	74.0	1.77	*	*	*	8.18 30.57 1.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	57 31.2N	159 42.2W	20 SEP	0433	+10	55

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	72.1	1.54	*	0.87	*	7.48 31.31 1.3
10	70.2	1.58	*	1.04	*	7.48 31.32 1.3
30	70.7	1.49	*	0.85	*	7.44 31.31 1.3
49	70.5	1.62	*	0.50	*	7.40 31.30 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	57 3.3N	159 48.0W	20 SEP	0700	+10	58

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	63.1	1.04	*	0.36	*	8.31 31.60 1.2
10	64.4	1.08	*	0.44	*	8.31 31.59 1.2
51	70.5	1.24	*	1.02	*	8.09 31.61 1.3

CRUISE NUMBER
RP-4-D1-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	58 22.8N	158 24.0W	20 SEP	1420	+10	24

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	87.8	0.65	*	0.46	*	9.81 30.21 1.7
10	49.7	0.25	*	0.42	*	* * *
18	49.4	0.50	*	0.38	*	* * *

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM25A	57 17.0N	157 55.0W	20 SEP	1700	+10	26

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	47.1	0.59	*	0.42	*	10.97 26.57 0.9
11	43.1	0.27	*	0.15	*	10.96 26.59 0.8
21	44.5	0.50	*	0.27	*	10.96 25.62 0.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM026	57 55.2N	158 23.5W	20 SEP	1155	+10	39

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	47.5	0.86	*	0.50	*	9.81 30.21 0.9
10	47.7	0.83	*	0.60	*	9.81 30.21 0.9
35	48.0	0.85	*	0.43	*	9.81 30.21 0.9

CRUISE NUMBER
RP-4-DI-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM26A	57 54.1N	157 57.8W	20 SEP	1900	+10	24

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	48.7	0.66	*	0.39	*	10.46 29.34 0.9
10	50.5	0.85	*	0.51	*	10.45 29.44 1.0
20	51.2	0.63	*	0.58	*	10.38 29.64 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	57 26.1N	158 23.6W	20 SEP	2140	+10	33

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	67.5	1.03	*	0.63	*	10.07 30.91 1.3
8	65.0	1.00	*	0.52	*	10.08 30.91 1.3
27	64.5	0.95	*	0.50	*	10.06 30.92 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27A	56 38.1N	159 44.9W	21 SEP	0302	+10	31

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	125.2	1.05	*	0.30	*	* * *
10	111.9	0.92	*	0.76	*	9.90 30.85 2.2
26	111.1	0.94	*	0.84	*	9.90 30.87 2.2

CRUISE NUMBER
RP-4-DI-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	56 5.9N	160 39.4W	21 SEP	0645	+10	17

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	283.5	1.13	*	1.10	*	*
10	141.2	1.05	*	0.97	*	*
12	161.6	0.49	*	1.12	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	56 29.1N	161 7.0W	21 SEP	1415	+10	69

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	56.1	0.98	*	0.39	*	7.83 31.83 1.1
10	57.4	0.89	*	0.37	*	7.81 31.82 1.1
30	57.8	0.84	*	0.37	*	7.74 31.83 1.1
64	91.5	1.48	*	0.83	*	2.78 31.92 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM030	56 53.8N	162 35.6W	21 SEP	2005	+10	71

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	62.4	0.96	*	1.41	*	7.37 31.74 1.1
11	51.9	0.85	*	0.25	*	7.37 31.71 0.9
30	84.8	1.75	*	0.64	*	6.58 31.53 1.5
67	78.8	11.69	*	0.77	*	5.10 31.66 1.4

CRUISE NUMBER
RP-4-D1-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	56 44.7N	163 37.3W	22 SEP	0045	+10	68

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	48.5	0.65	*	0.20	*	5.51 31.77 0.6
10	49.4	0.67	*	0.58	*	5.51 31.77 0.6
30	50.7	0.87	*	0.65	*	5.51 31.77 0.9
63	65.6	1.38	*	0.33	*	1.68 31.95 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	56 33.3N	164 0.6W	22 SEP	0310	+10	78

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	47.5	0.39	*	0.12	*	6.23 31.78 0.8
10	46.6	0.38	*	0.23	*	6.24 31.77 0.8
30	70.8	1.22	*	0.29	*	5.76 30.98 1.2
74	72.5	1.20	*	0.88	*	1.77 32.06 1.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	56 9.2N	162 38.4W	22 SEP	0630	+10	77

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	50.6	0.67	*	0.11	*	7.60 31.86 1.0
10	57.5	0.70	*	0.25	*	7.61 31.86 1.1
30	58.6	0.80	*	0.10	*	7.52 31.56 1.1
71	50.7	1.53	*	0.30	*	2.93 32.10 1.0

CRUISE NUMBER
RP-4-DI-75B-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	55 44.3N	162 13.4W	22 SEP	1154	+10	20

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	137.6	1.17	*	0.80	*	8.79 31.03 2.6
10	71.8	1.16	*	0.75	*	8.80 31.37 1.4
15	69.9	1.01	*	0.68	*	8.79 31.37 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34A	55 36.9N	162 28.6W	22 SEP	1305	+10	31

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	70.1	1.19	*	0.71	*	* * *

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34B	55 27.2N	162 42.5W	22 SEP	1435	+10	20

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	62.0	0.78	*	0.57	*	* * *

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34C	55 24.9N	162 53.5W	22 SEP	1620	+10	32

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	76.9	0.90	*	0.48	*	* * *

CRUISE NUMBER
RP-4-01-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34D	55 32.5N	163 5.0W	22 SEP	1915	+10	52

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	75.1	1.27	*	0.63	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34E	55 40.3N	163 15.6W	22 SEP	2025	+10	62

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	79.5	1.03	*	0.48	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34F	55 48.1N	163 27.5W	22 SEP	2125	+10	76

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	67.7	0.88	*	0.41	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34G	55 55.7N	163 36.4W	22 SEP	2215	+10	89

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	74.6	0.89	*	0.47	*	*

CRUISE NUMBER
RP-4-DI-75B-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34H	55 17.5N	163 4.5W	23 SEP	0140	+10	27

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	66.6	0.81	*	0.44	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM34I	55 10.9N	163 16.7W	23 SEP	0240	+10	26

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	80.6	0.74	*	0.38	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM35	55 5.9N	163 32.5W	23 SEP	0405	+10	24

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	101.8	0.81	*	0.40	*	*
10	68.5	0.88	*	0.46	8.21	31.57 1.3
18	70.7	1.04	*	0.50	8.22	31.59 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM35A	55 14.7N	163 40.7W	23 SEP	0530	+10	60

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	73.2	1.03	*	0.46	*	*

CRUISE NUMBER
RP-4-DI-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM356	55 22.8N	163 48.9W	23 SEP	0625	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	82.9	0.99	*	0.32	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM36	55 31.5N	163 56.9W	23 SEP	0735	+10	91

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	79.8	0.99	*	0.39	*	7.85 31.85 1.5
10	74.7	0.91	*	0.41	*	7.86 31.85 1.4
30	77.3	1.07	*	0.42	*	7.78 31.85 1.4
86	151.4	1.97	*	0.46	*	5.18 32.43 2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM37	55 53.1N	164 19.3W	23 SEP	1155	+10	92

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	74.4	0.34	*	0.33	*	7.67 31.92 1.4
10	66.3	0.65	*	0.25	*	7.67 31.92 1.2
30	67.2	0.70	*	0.27	*	7.66 31.91 1.2
86	163.0	1.93	*	0.43	*	5.23 32.57 2.7

CRUISE NUMBER
RP-4-DI-75B-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	56 18.2N	164 41.4W	23 SEP	2105	+10	88

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	57.2	0.37	*	0.25	*	6.64 31.85 1.0
10	57.2	0.80	*	0.86	*	6.61 31.82 1.0
29	57.2	0.86	*	0.87	*	6.49 31.84 1.0
59	154.6	1.81	*	0.41	*	3.99 32.45 2.7
93	160.5	2.11	*	0.48	*	4.00 32.46 2.9
86	157.4	2.09	*	0.45	*	4.01 32.46 2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	56 42.0N	165 5.0W	23 SEP	2340	+10	75

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	56.0	0.76	*	*	*	4.73 31.73 0.9
10	54.5	0.76	*	0.76	*	4.70 31.75 0.9
30	55.9	0.71	*	0.72	*	4.47 31.71 0.9
72	105.7	1.55	*	0.40	*	1.38 32.06 1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	57 5.6N	165 28.0W	24 SEP	0115	+10	71

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	57.7	0.35	*	0.21	*	4.95 31.67 1.0
11	57.1	0.81	*	0.71	*	4.94 31.67 1.0
30	57.4	0.76	*	0.19	*	4.67 31.55 1.0
67	59.8	2.68	*	1.29	*	1.11 31.83 1.4

CRUISE NUMBER
RP-4-01-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM041	56 44.3N	166 56.9W	28 SEP	0100	+10	88

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	42.1	0.54	*	0.33	*	5.50 31.60 0.7
10	42.1	0.20	*	0.57	*	5.50 31.80 0.7
41	118.1	1.04	*	0.67	*	5.44 31.65 2.0
64	206.1	1.15	*	0.27	*	1.76 32.19 3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	56 18.8N	166 59.3W	28 SEP	0340	+10	110

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
3	54.5	0.53	*	0.28	*	6.98 32.00 1.0
10	54.9	0.57	*	0.33	*	6.98 31.99 1.0
41	55.0	0.57	*	0.24	*	6.98 31.99 1.0
103	614.9	1.35	*	0.32	*	5.46 32.66 10.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	55 54.0N	166 20.6W	28 SEP	0610	+10	125

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	48.9	0.55	*	0.26	*	7.36 32.08 0.9
10	48.0	0.56	*	0.26	*	7.35 32.09 0.8
38	50.0	0.60	*	0.25	*	7.34 32.09 0.9
122	581.4	1.30	*	0.28	*	5.63 32.88 15.1

CRUISE NUMBER
RP-4-DI-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	55 29.2N	160 1.0W	28 SEP	0905	+10	121

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
3	54.2	0.58	*	0.28	*	7.26 32.10 1.0
10	52.2	0.59	*	0.24	*	7.26 32.10 0.9
40	62.8	0.74	*	0.26	*	7.16 32.25 1.1
114	502.1	1.23	*	0.23	*	3.95 32.92 9.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	55 8.5N	165 42.5W	28 SEP	1335	+10	128

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	60.3	0.22	*	*	*	7.12 31.92 1.1
11	62.8	0.69	*	0.35	*	7.12 31.93 1.1
42	105.7	0.97	*	0.41	*	5.88 32.63 1.9
121	171.5	1.02	*	0.36	*	4.21 33.05 3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM45A	55 23.5N	164 50.0W	28 SEP	1655	+10	106

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	59.2	3.47	*	0.37	*	7.18 32.03 1.1
11	62.4	0.72	*	0.35	*	7.18 32.03 1.1
41	78.3	0.87	*	0.39	*	6.95 32.18 1.4
80	100.1	1.04	*	0.36	*	4.81 32.84 1.9
101	113.2	0.44	*	0.41	*	4.71 32.88 2.0

CRUISE NUMBER
RP-4-01-750-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM45B	55 40.1N	164 3.6W	28 SEP	2220	+10	95

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	54.9	0.73	*	0.35	*	7.62 31.87 1.0
9	50.6	0.70	*	0.34	*	7.62 31.88 0.9
40	71.5	0.76	*	0.34	*	7.16 32.04 1.3
80	118.3	1.45	*	0.47	*	4.99 32.56 2.1
90	117.7	1.41	*	0.44	*	4.99 32.57 2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46A	54 38.4N	165 24.7W	29 SEP	0505	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	85.7	0.67	*	0.32	*	* * *
10	86.4	0.64	*	0.38	*	* * *
48	93.8	0.77	*	0.35	*	5.57 32.75 1.7
99	67.0	0.55	*	0.26	*	3.71 33.24 1.1
109	62.1	0.52	*	0.14	*	3.57 33.27 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46B	54 38.4N	165 24.7W	29 SEP	0950	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	203.9	0.83	*	0.34	*	6.87 31.80 3.8
47	86.7	0.80	*	0.29	*	6.60 32.53 1.6
97	95.3	0.94	*	0.32	*	4.53 33.00 1.6
120	61.5	0.57	*	0.23	*	3.52 33.28 1.0

CRUISE NUMBER
RP-4-D1-753-111

LOCATION
SOUTHEAST BEKING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM40C	54 38.4N	165 24.7W	29 SEP	1355	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	193.4	0.81	*	0.25	*	7.43 31.62 3.0
10	192.5	0.72	*	0.22	*	7.43 31.62 3.6
50	170.0	0.87	*	0.23	*	6.60 32.07 3.1
98	73.0	0.66	*	0.10	*	3.77 33.20 1.2
148	59.1	0.48	*	0.15	*	3.54 33.31 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM45D	54 38.4N	165 24.7W	29 SEP	1805	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	102.0	0.81	*	*	*	*
11	226.0	0.72	*	0.20	*	7.49 31.59 4.3
46	214.3	0.90	*	0.23	*	6.63 31.96 4.0
93	143.3	0.87	*	0.19	*	6.20 32.39 2.6
128	128.8	0.91	*	0.20	*	5.92 32.49 2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM45E	54 38.4N	165 24.7W	29 SEP	2200	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	192.1	0.84	*	0.21	*	6.61 31.87 3.5
50	151.3	1.31	*	0.30	*	6.39 32.26 2.6
100	132.1	0.83	*	0.31	*	6.22 32.45 2.4
143	116.2	0.76	*	0.12	*	5.29 32.78 2.1

CRUISE NUMBER
RP-4-01-75B-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46F	54 38.4N	165 24.7W	30 SEP	0210	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	161.7	0.78	*	0.14	*	6.57 31.96 3.0
11	102.0	0.64	*	0.14	*	6.55 32.23 1.9
51	96.1	0.69	*	0.16	*	6.18 32.67 1.7
99	81.0	0.61	*	*	*	5.00 32.88 1.4
121	70.2	0.59	*	0.07	*	4.31 33.07 1.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM46G	54 38.4N	165 24.7W	30 SEP	0555	+10	136

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	61.3	0.49	*	0.24	*	6.71 32.49 1.1
10	51.0	0.51	*	0.26	*	6.80 32.64 0.9
50	85.4	0.72	*	0.27	*	5.65 32.78 1.5
101	65.9	0.57	*	0.21	*	5.71 33.20 1.1
128	64.8	0.56	*	0.23	*	5.58 33.28 1.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	54 12.5N	165 5.1W	30 SEP	1155	+10	91

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	150.5	1.05	*	0.78	*	6.74 32.00 2.9
10	145.5	0.22	*	0.10	*	6.74 32.00 2.7
41	129.4	0.81	*	0.31	*	6.70 32.07 2.4
86	161.0	0.92	*	0.28	*	5.96 32.47 2.9

CRUISE NUMBER
RP-4-J1-756-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB035	57 13.5N	168 20.0W	26 SEP	0420	+10	160

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	39.1	0.54	*	0.26	*	7.17 32.04 0.7
21	39.9	0.21	*	0.20	*	7.17 32.07 0.7
50	50.2	0.69	*	0.24	*	7.01 32.19 0.9
101	189.8	0.95	*	0.26	*	3.34 32.79 3.2
148	256.4	0.56	*	0.25	*	3.23 33.48 4.4
151	257.9	0.65	*	0.22	*	* * *

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37A	57 5.3N	167 0.6W	26 SEP	1255	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	15.7	0.07	*	1	*	5.23 31.67 0.2
11	22.1	0.32	*	0.20	*	5.19 31.66 0.3
31	39.5	0.64	*	0.39	*	5.14 31.67 0.7
71	66.6	1.58	*	0.54	*	1.87 31.96 1.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37B	57 5.3N	167 0.6W	26 SEP	1500	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	41.9	0.70	*	0.41	*	5.35 31.70 0.7
11	39.2	0.64	*	0.38	*	5.31 31.58 0.7
31	39.9	0.70	*	0.39	*	5.06 31.70 0.7
70	72.4	1.60	*	0.51	*	1.99 31.97 1.1

CRUISE NUMBER
RP-4-01-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37C	57 5.3N	167 0.6W	26 SEP	1900	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	38.5	0.20	*	0.32	*	5.32 31.67 0.6
10	39.9	0.72	*	0.33	*	5.31 31.57 0.7
30	40.2	0.70	*	0.30	*	5.19 31.65 0.7
69	74.9	1.70	*	0.44	*	1.95 31.69 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37D	57 5.3N	167 0.6W	26 SEP	2300	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	42.5	0.77	*	0.30	*	5.29 31.67 0.7
11	39.9	0.83	*	0.29	*	5.29 31.67 0.7
31	39.6	0.82	*	0.25	*	5.11 31.68 0.7
69	73.3	1.58	*	0.39	*	2.03 31.97 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37E	57 5.3N	167 0.6W	27 SEP	0255	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	38.8	0.63	*	0.34	*	5.28 31.67 0.6
11	38.9	0.63	*	0.31	*	5.28 31.67 0.7
30	40.5	0.64	*	0.31	*	5.10 31.68 0.7
69	75.0	1.55	*	0.44	*	1.97 31.96 1.2

CRUISE NUMBER
RP-4-01-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37F	57 5.3N	167 0.6W	27 SEP	0700	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	45.1	0.80	*	0.41	*	*
10	39.3	0.61	*	0.33	*	*
30	39.9	0.57	*	0.28	5.17	31.65 0.7
69	73.9	1.67	*	0.48	1.86	31.95 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37G	57 5.3N	167 0.6W	27 SEP	1050	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	39.7	0.64	*	0.33	5.31	31.69 0.7
9	41.6	0.66	*	0.33	5.29	31.67 0.7
29	39.2	0.56	*	0.31	5.01	31.72 0.7
69	71.9	1.61	*	0.44	2.02	31.96 1.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37H	57 5.3N	167 0.5W	27 SEP	1505	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	46.7	0.36	*	0.37	5.31	31.69 0.8
10	39.5	0.65	*	0.32	5.29	31.67 0.7
30	41.3	0.79	*	0.30	5.01	31.72 0.7
69	75.2	1.59	*	0.33	2.02	31.96 1.2

CRUISE NUMBER
RP-4-01-758-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37I	57 5.3N	167 0.6W	27 SEP	1900	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	40.9	0.67	*	0.28	*	*
10	39.4	0.70	*	0.34	*	*
31	41.3	0.76	*	0.30	5.04	31.70 0.7
69	75.1	1.62	*	0.47	1.99	31.96 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB37J	57 5.3N	167 0.6W	27 SEP	2300	+10	74

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	40.0	0.73	*	0.65	*	5.25 31.67 0.6
10	39.3	0.65	*	0.64	*	5.25 31.67 0.7
29	39.7	0.61	*	0.63	*	5.13 31.66 0.7
69	74.6	1.59	*	0.39	*	2.04 31.97 1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB038	57 40.4N	166 6.3W	24 SEP	2220	+10	64

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	70.7	1.22	*	1.19	*	4.95 31.63 1.2
10	59.6	0.51	*	0.35	*	4.95 31.63 1.0
20	61.5	1.07	*	0.79	*	4.95 31.63 1.0
41	95.8	2.13	*	0.51	*	0.76 31.82 1.5
60	90.6	2.30	*	0.54	*	* * *

CRUISE NUMBER
RP-4-01-75B-I11

LOCATION
SOUTHEAST BEKING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	53 37.6N	164 43.0W	30 SEP	1645	+10	558

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	61.9	0.56	*	0.36	*	*
22	60.8	0.60	*	0.32	*	*
296	65.3	0.41	*	0.29	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB038	57 40.4N	166 6.3W	24 SEP	2220	+10	64

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	70.7	1.22	*	1.19	*	4.95 31.63 1.2
10	59.8	0.51	*	0.36	*	4.95 31.63 1.0
20	61.5	1.07	*	0.79	*	4.95 31.63 1.0
41	95.8	2.13	*	0.51	*	0.76 31.83 1.5
60	96.0	2.30	*	0.54	*	* * *

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB041	58 46.9N	164 14.2W	24 SEP	1510	+10	36

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
0	59.5	0.44	*	0.26	*	8.68 30.80 1.1
0	53.2	0.78	*	0.76	*	8.68 30.80 1.0
0	54.7	0.78	*	0.23	*	8.68 30.80 1.0

CRUISE NUMBER
RP-4-D1-758-III

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB043	58 42.3N	166 16.5W	17 SEP	0200	+10	37

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
30	53.7	1.03	*	*	7.50	31.35 1.0
30	53.6	1.04	*	0.66	7.50	31.35 1.0
30	51.2	1.01	*	0.72	7.50	31.35 0.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB046	57 34.0N	168 4.2W	25 SEP	0350	+10	70

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
2	53.0	0.74	*	0.55	*	* *
10	53.1	0.80	*	0.65	5.16	31.65 0.9
22	54.2	0.78	*	0.71	5.17	31.65 0.9
41	67.9	2.38	*	0.75	0.29	31.87 1.3
55	90.2	2.40	*	0.59	0.24	31.94 1.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB051	55 49.2N	170 47.5W	25 SEP	1730	+10	2286

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
1	52.5	0.85	*	0.29	7.20	32.54 0.9
51	63.9	1.14	*	0.44	5.53	32.82 1.5
101	92.7	1.02	*	0.35	3.73	33.05 1.6
199	64.9	0.76	*	0.32	2.86	33.19 1.1
298	67.5	0.67	*	0.30	3.16	33.42 1.1
401	60.6	0.25	*	0.31	3.50	33.70 1.0

CRUISE NUMBER
RP-4-D1-75B-111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
12 SEP-03 OCT 1975

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB059	59 11.8N	167 17.8W	16 SEP	0035	+10	38

DEPTH	METHANE	(ETHANE+ETHENE)	(PROPANE+PROPENE)	TEMP	SAL	C/C*
32	56.4	1.19	*	0.44	*	6.89 31.26 1.0
32	53.7	1.17	*	0.43	*	6.89 31.26 1.0
32	52.4	1.06	*	0.42	*	6.89 31.26 0.9

CRUISE NUMBER
RP-4-MW-76-V111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	58 45.9N	167 22.7W	29 JUN	1635	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	118.3	1.20	4.06	0.59	1.02	2.33	31.51	1.9
11	115.0	0.89	3.77	0.47	0.86	2.04	31.44	1.8
22	109.1	0.77	3.42	0.46	0.73	1.82	31.51	1.7
38	112.5	0.86	3.59	0.47	0.78	1.81	31.52	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	59 4.5N	166 48.2W	29 JUN	2010	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	83.0	0.70	3.37	0.35	0.98	2.63	31.36	1.3
12	77.5	0.63	2.83	0.29	0.78	2.46	31.34	1.2
22	74.8	0.51	2.49	0.26	0.76	2.43	31.35	1.2
30	73.2	0.52	2.47	0.26	0.77	2.43	31.36	1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	59 24.5N	166 16.3W	30 JUN	1815	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	87.0	0.64	3.16	0.34	1.15	3.57	31.69	1.4
11	80.5	0.52	2.48	0.21	0.99	3.41	31.70	1.3
21	74.5	0.54	2.33	0.20	0.88	3.40	31.71	1.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM004	59 39.5N	165 53.2W	30 JUN	2045	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	95.2	0.80	4.50	0.33	1.70	4.56	31.60	1.6
11	99.0	0.74	3.17	0.34	1.42	4.53	31.60	1.7
20	95.9	0.82	3.19	0.29	1.36	4.53	31.61	1.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM005	59 31.2N	164 23.9W	01 JUL	1037	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	148.3	0.91	3.55	1.55	6.15	5.72	30.71	2.6
11	147.6	0.50	3.20	0.40	1.63	5.61	30.90	2.6
13	143.2	0.61	3.30	0.39	1.62	5.51	31.03	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM006	59 8.3N	164 56.5W	01 JUL	0515	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	93.1	0.91	3.39	0.66	2.54	3.95	31.14	1.6
11	91.6	0.79	3.19	0.31	1.26	3.95	31.14	1.5
21	93.1	0.65	3.24	0.32	1.27	3.95	31.14	1.6

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM007	58 47.7N	165 27.0W	01 JUL	0755	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	95.4	0.94	3.41	0.39	1.24	3.22	31.20	1.6
12	95.3	0.75	3.29	0.32	1.16	3.21	31.21	1.6
22	91.9	0.74	3.54	0.32	1.17	3.21	31.20	1.5
27	93.2	0.79	3.27	0.32	1.13	3.21	31.20	1.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM008	58 24.6N	165 56.3W	29 JUN	1240	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	74.3	0.71	3.03	0.37	1.01	3.07	31.45	1.2
12	80.2	0.79	2.63	0.35	0.73	1.35	31.46	1.2
22	78.6	0.71	2.46	0.35	0.74	1.30	31.46	1.2
36	79.3	0.68	2.57	0.35	0.73	1.28	31.48	1.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM009	57 50.8N	164 54.2W	29 JUN	0730	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	51.7	0.57	1.93	0.27	0.64	3.09	31.60	0.8
11	49.4	0.33	1.35	0.21	0.41	1.60	31.62	0.8
21	49.6	0.28	1.42	0.21	0.42	1.58	31.62	0.8
41	56.3	0.50	1.44	0.26	0.46	1.55	31.63	0.9
45	61.9	0.51	1.55	0.28	0.46	1.55	31.66	1.0

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM010	58 14.0N	164 23.3W	01 JUL	1240	+ 9	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	100.0	0.57	3.61	0.38	1.18	3.25	31.54	1.7
11	99.4	0.65	3.15	0.39	0.96	2.23	31.50	1.6
21	100.0	0.69	3.08	0.40	0.89	1.94	31.56	1.7
41	100.9	0.70	3.09	0.39	0.86	1.91	31.57	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM011	58 37.5N	163 51.3W	01 JUL	1710	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	100.7	0.73	3.80	0.37	1.36	4.01	31.35	1.7
11	98.7	0.54	3.28	0.33	1.16	3.36	31.40	1.6
21	97.6	0.59	3.08	0.57	1.39	3.33	31.45	1.6
30	101.0	0.69	3.38	0.36	1.31	3.35	31.48	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM012	58 55.0N	163 21.4W	01 JUL	1940	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	102.5	0.75	3.76	0.49	1.69	4.57	31.86	1.8
11	103.3	0.65	3.70	0.46	1.64	4.54	31.85	1.8
22	100.8	0.73	3.65	0.44	1.60	4.53	31.85	1.7

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM013	58 33.3N	162 9.1W	02 JUL	0019	+ 9	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	435.0	0.85	3.32	0.53	1.45	4.86	31.60	7.7
12	428.2	0.75	3.23	0.49	1.44	4.86	31.60	7.6
22	426.3	0.75	3.34	0.51	1.46	4.84	31.60	7.5
31	425.0	0.77	3.34	0.48	1.40	4.84	31.61	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM014	58 9.9N	162 40.8W	02 JUL	0319	+ 9	36

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	134.6	0.70	3.31	0.41	1.35	3.99	31.55	2.3
12	136.4	0.79	3.36	0.42	1.30	3.89	31.55	2.3
21	137.3	0.79	3.39	0.46	1.35	3.85	31.55	2.3
32	141.1	0.88	3.44	0.46	1.35	3.83	31.55	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM015	57 48.2N	163 14.7W	02 JUL	0625	+ 9	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	109.0	0.61	3.64	0.40	1.33	3.96	31.83	1.8
11	109.9	0.79	3.54	0.40	1.27	3.34	31.59	1.8
22	123.0	0.93	3.24	0.47	0.99	2.56	31.85	2.0
42	124.3	0.87	3.15	0.49	1.01	2.53	31.86	2.0

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM016	57 26.7N	163 48.3W	02 JUL	0945	+ 9	52

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	96.2	1.00	3.28	0.46	1.16	2.99	31.91	1.6
12	95.0	0.90	3.26	0.46	1.08	2.81	31.85	1.6
22	101.5	1.27	3.05	0.50	0.77	1.39	31.88	1.6
50	101.0	1.17	3.05	0.49	0.73	1.32	31.93	1.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM017	57 7.1N	161 47.7W	02 JUL	2145	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	112.6	1.18	4.53	0.62	1.33	3.32	31.77	1.9
11	108.1	0.99	4.45	0.55	1.31	3.25	31.75	1.8
22	113.9	1.13	3.46	0.59	1.00	2.01	31.69	1.8
41	116.2	1.22	3.28	0.61	0.96	1.86	31.76	1.9
47	117.2	1.28	3.28	0.60	0.90	1.86	31.77	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM018	57 35.5N	161 39.4W	03 JUL	0035	+ 9	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	88.2	0.71	3.59	0.28	1.19	4.94	31.75	1.5
12	107.3	0.85	3.12	0.36	0.80	2.46	31.52	1.7
22	117.7	0.99	2.95	0.42	0.54	1.95	31.85	1.9
46	119.3	1.07	2.99	0.43	0.57	1.94	31.66	1.9

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM019	58 5.4N	161 29.1W	03 JUL	0320	+ 9	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	107.2	0.96	3.28	0.37	1.20	5.78	31.40	1.9
11	116.0	0.84	3.40	0.37	1.08	3.79	31.63	2.0
22	128.8	0.85	3.46	0.40	1.07	3.76	31.65	2.2
39	131.0	0.87	3.50	0.40	1.07	3.75	31.65	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM020	58 27.6N	161 26.6W	03 JUL	0730	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	134.3	0.74	3.03	0.43	1.34	6.94	31.16	2.5
11	134.4	0.65	3.05	0.41	1.32	6.92	31.17	2.5
20	134.9	0.67	3.08	0.43	1.41	6.92	31.17	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM021	58 26.8N	159 46.3W	03 JUL	1355	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	111.2	0.95	4.68	0.49	1.70	5.19	30.19	1.9
11	120.1	0.97	4.45	0.52	1.46	5.07	30.21	2.1
22	141.8	1.08	4.09	0.55	1.30	4.47	30.36	2.4
24	140.3	1.32	4.15	0.56	1.34	4.47	30.37	2.4

CRUISE NUMBER
RP-4-MW-78-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM022	58 1.0N	159 44.9W	03 JUL	1705	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	98.2	1.44	4.46	0.35	1.53	5.83	30.44	1.7
11	112.7	1.62	4.10	0.47	0.91	2.38	30.98	1.8
22	113.2	1.59	4.08	0.47	0.90	2.30	31.01	1.8
39	113.5	1.59	4.21	0.49	0.92	2.28	31.01	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM023	57 32.3N	159 47.3W	04 JUL	1340	+ 9	52

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	118.9	1.46	4.29	0.50	1.17	2.54	31.54	1.9
11	120.7	1.56	3.96	0.48	0.93	2.17	31.53	1.9
21	120.0	1.59	4.04	0.49	0.96	2.08	31.55	1.9
41	120.9	1.58	4.01	0.47	0.95	2.06	31.56	1.9
47	120.8	1.49	4.00	0.44	0.94	2.05	31.56	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM024	57 4.0N	159 45.6W	04 JUL	1645	+ 9	60

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	133.5	1.42	4.74	0.47	1.59	3.04	31.39	2.2
11	140.2	1.52	3.60	0.48	0.79	2.03	31.39	2.3
21	137.8	1.54	3.67	0.51	0.96	1.91	31.49	2.2
41	132.0	1.83	3.52	0.49	0.78	1.72	31.51	2.1
55	136.0	2.48	3.85	0.56	1.02	1.71	31.52	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM025	58 22.3N	158 26.2W	04 JUL	0030	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	154.4	0.97	3.10	0.42	1.50	9.82	23.27	2.9
11	134.9	0.85	3.39	0.45	1.58	9.43	24.73	2.5
21	130.1	0.76	2.86	0.44	1.53	9.37	24.90	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM25A	58 18.5N	157 54.6W	04 JUL	0250	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	91.5	0.63	3.46	0.41	1.49	9.45	26.25	1.7
11	93.1	0.62	3.30	0.41	1.54	9.42	26.34	1.7
20	99.5	0.62	3.66	0.44	1.58	8.75	27.11	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM026	57 56.0N	158 24.3W	02 JUL	2130	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	126.1	1.36	4.26	0.45	1.19	4.64	29.76	2.2
11	125.0	1.22	4.17	0.44	1.19	4.63	29.54	2.1
22	125.2	1.33	3.92	0.43	1.14	4.59	29.78	2.1
33	129.1	1.34	4.27	0.45	1.21	4.54	29.83	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM26A	57 56.0N	157 59.3W	04 JUL	0550	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	107.2	0.94	4.41	0.46	1.49	5.71	29.36	1.9
12	105.0	0.83	4.01	0.42	1.36	5.72	29.36	1.8
20	105.4	1.22	4.34	0.43	1.31	5.73	29.36	1.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM027	57 26.5N	158 25.8W	04 JUL	0945	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	169.7	1.16	4.01	0.56	1.39	4.69	30.77	2.9
11	165.5	1.28	3.92	0.51	1.32	4.55	30.81	2.9
21	156.2	1.37	3.85	0.51	1.28	4.40	30.86	2.7
28	153.9	1.45	4.00	0.51	1.34	4.37	30.86	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM27A	56 39.2N	159 46.0W	04 JUL	1935	+ 9	37

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	360.0	1.30	4.81	0.61	1.75	6.29	30.17	6.5
12	278.5	1.30	3.67	0.59	1.37	4.16	30.85	4.6
22	180.5	1.18	3.64	0.52	1.18	3.24	31.15	3.0
33	172.1	1.12	3.62	0.48	1.09	3.22	31.16	2.9

CRUISE NUMBER
RP-4-MW-76-VII1

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM028	56 7.5N	160 38.4W	05 JUL	0120	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	1388.1	0.86	4.02	0.73	1.71	7.18	30.03	25.8
11	1183.4	1.17	4.16	0.74	1.57	6.61	30.26	21.8
19	296.5	1.36	3.79	0.78	0.97	3.68	30.90	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM029	56 29.7N	161 7.0W	05 JUL	0425	+ 9	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	105.6	0.60	4.25	0.28	1.66	5.47	31.34	1.9
11	125.2	0.93	3.85	0.34	1.31	1.94	30.81	2.0
21	159.2	1.09	2.80	0.41	0.66	1.15	31.49	2.5
41	161.0	1.27	2.98	0.45	0.69	1.10	31.50	2.5
67	165.6	1.10	2.94	0.40	0.64	1.10	31.51	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM031	56 57.2N	163 22.7W	02 JUL	1250	+ 9	67

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	76.2	0.44	2.41	0.19	1.25	5.28	31.39	1.3
12	75.8	0.29	2.61	0.19	1.04	5.26	31.38	1.3
22	93.3	0.76	2.15	0.34	0.53	0.07	30.85	1.4
42	102.7	1.06	1.87	0.47	0.50	-1.27	31.85	1.5
64	102.0	0.98	1.84	0.46	0.47	-1.28	31.86	1.5

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM032	56 33.8N	163 1.2W	02 JUL	1550	+ 9	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	77.0	0.41	2.82	0.21	1.22	5.61	31.19	1.3
11	76.5	0.32	2.76	0.16	1.11	5.56	31.11	1.3
21	104.4	0.84	1.82	0.38	0.42	0-47.00	31.21	1.5
41	104.7	1.25	1.76	0.36	0.37	-1.20	31.75	1.5
71	103.4	1.05	1.70	0.41	0.61	-1.21	31.77	1.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM033	56 10.3N	162 32.1W	05 JUL	0940	+ 9	75

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
11	73.7	0.30	2.74	0.16	*	6.35	31.04	1.3
20	77.8	0.58	2.71	0.19	1.13	0.19	31.22	1.2
38	95.6	1.38	1.48	0.35	1.22	0-57.00	31.71	1.4
71	94.7	1.30	1.40	0.37	0.29	0-58.00	31.73	1.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM034	55 44.3N	162 13.5W	05 JUL	1310	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	125.2	2.55	3.72	0.59	0.83	5.40	31.05	2.2
11	124.4	2.48	3.65	0.55	0.63	5.08	31.02	2.2
25	118.1	2.44	3.12	0.51	0.37	3.65	31.27	2.0

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM035	55 6.1N	163 32.4W	05 JUL	2020	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	174.1	1.96	2.80	0.57	1.16	5.36	31.61	3.1
11	170.1	1.74	2.75	0.55	0.70	5.32	31.58	3.0
22	165.3	1.95	3.38	0.56	0.58	5.31	31.47	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM036	55 31.4N	163 57.0W	05 JUL	2340	+ 9	92

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	79.3	0.66	2.48	0.28	0.87	7.38	31.88	1.5
11	60.2	0.74	2.53	0.29	0.90	7.38	31.88	1.5
21	87.6	0.83	2.54	0.34	0.77	6.47	30.86	1.6
81	126.0	1.37	1.31	0.28	0.15	1.69	32.02	2.0
89	123.4	1.36	1.28	0.26	0.07	1.69	32.02	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM037	55 53.1N	164 19.3W	06 JUL	0221	+ 9	94

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	72.2	0.29	2.34	0.17	1.02	7.26	31.22	1.3
12	72.4	0.30	2.22	0.15	0.97	7.22	31.21	1.3
21	82.7	0.49	2.18	0.26	0.70	3.19	31.56	1.4
80	95.5	0.90	1.06	0.38	0.23	0.08	31.92	1.4
89	96.5	1.07	1.06	0.38	0.21	0.11	31.90	1.5

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM038	56 20.5N	164 41.8W	06 JUL	0555	+ 9	89

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	72.2	0.26	2.47	0.14	1.04	6.29	31.10	1.3
12	72.4	0.33	2.43	0.12	1.01	6.29	31.10	1.3
22	87.3	0.65	2.64	0.24	0.86	2.85	31.09	1.4
42	105.5	1.49	1.30	0.53	0.27	-1.12	31.75	1.5
61	105.5	1.49	1.30	0.53	0.27	-1.12	31.74	1.5
85	106.4	1.52	1.35	0.56	0.32	-1.12	31.75	1.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM039	56 43.7N	165 5.8W	06 JUL	1010	+ 9	76

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
7	81.0	0.59	2.40	0.19	0.95	6.07	31.27	1.4
12	79.4	0.46	2.41	0.18	0.99	6.04	31.26	1.4
22	105.3	1.10	2.25	0.41	0.52	1.24	30.43	1.6
43	140.9	1.55	1.83	0.68	0.35	-1.32	31.77	2.1
61	137.9	1.47	1.92	0.67	0.29	-1.31	31.77	2.0
73	137.1	1.45	1.85	0.64	0.29	-1.34	31.81	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM040	57 5.8N	165 27.0W	29 JUN	0215	+ 9	70

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	60.0	0.29	1.91	0.17	0.67	4.34	31.51	1.0
11	58.6	0.20	1.91	0.12	0.65	4.34	31.50	1.0
22	60.2	*	*	0.13	0.63	3.66	31.79	1.0
42	137.6	0.92	1.60	0.46	0.22	-1.28	31.82	2.0
66	137.8	*	*	0.47	0.23	-1.28	31.81	2.0

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM041	56 43.3N	165 53.9W	28 JUN	2320	+ 9	72

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	57.9	0.40	2.08	0.22	0.76	5.06	31.27	1.0
12	59.6	0.24	1.75	0.14	0.61	4.45	31.28	0.9
21	69.6	0.92	1.38	0.42	0.15	-1.36	31.77	1.3
43	93.2	0.96	1.45	0.47	0.17	-1.37	31.77	1.3
72	95.8	1.16	1.61	0.55	0.17	-1.37	31.78	1.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM042	56 17.7N	166 37.7W	28 JUN	1915	+ 9	114

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	52.9	0.42	1.82	0.17	0.65	6.47	31.65	0.9
12	47.7	0.32	1.61	0.13	0.61	6.44	31.68	0.8
22	74.8	1.04	1.97	0.23	0.37	4.07	32.00	1.3
41	71.4	0.56	1.02	0.15	0.10	2.24	31.99	1.1
106	263.3	0.79	0.79	0.22	*	2.05	32.45	4.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM043	55 54.8N	166 20.0W	08 JUL	0530	+ 9	125

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	79.6	0.57	2.71	0.29	1.08	*	*	*
10	93.3	0.69	2.61	0.32	0.91	*	*	*
20	176.0	1.85	2.55	0.36	0.15	*	*	*
40	207.6	0.95	1.47	0.25	*	*	*	*
60	242.4	0.95	1.41	0.26	0.10	*	*	*

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM044	55 28.8N	165 57.0W	28 JUN	1245	+ 9	120

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	148.8	1.54	2.77	0.36	0.84	5.92	32.06	2.7
11	137.0	0.90	2.11	0.31	0.68	5.88	32.03	2.5
22	209.9	1.16	2.19	0.32	0.64	4.95	32.11	3.7
42	269.6	1.14	1.58	0.29	0.38	3.87	32.24	4.6
101	440.2	0.99	1.14	0.24	0.30	3.03	32.70	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM045	55 3.2N	165 43.7W	28 JUN	0815	+ 9	128

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	204.6	2.08	2.49	0.72	*	5.27	32.24	3.6
11	181.1	1.04	2.16	0.35	*	5.25	32.26	3.2
21	197.3	1.09	2.27	0.37	0.65	4.95	32.21	3.5
41	153.5	1.73	2.21	0.46	0.51	4.98	32.60	2.7
100	177.8	0.89	1.12	0.28	0.43	3.53	32.95	3.0
123	193.7	0.78	1.22	0.33	0.87	3.25	33.10	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM046	54 38.4N	165 25.8W	28 JUN	0420	+ 9	171

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	144.0	*	*	0.42	0.64	5.65	32.62	2.6
11	188.6	*	*	0.33	0.46	4.89	32.60	3.3
22	225.5	*	*	0.32	0.45	4.97	32.61	4.0
60	208.2	1.13	1.92	0.30	0.33	4.77	32.72	3.7
156	164.4	0.61	0.90	0.19	0.18	3.71	33.01	2.8

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM047	54 12.1N	165 7.3W	27 JUN	2310	+ 9	97

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	270.3	1.16	2.01	0.59	0.50	4.72	32.45	4.9
11	279.4	1.26	1.80	0.50	0.33	4.72	32.46	4.9
21	274.3	1.35	1.77	0.48	0.32	4.72	32.48	4.8
61	280.6	0.94	1.72	0.36	0.31	4.70	32.47	5.1
89	275.1	0.93	1.75	0.35	0.34	4.68	32.50	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM048	53 37.5N	164 42.8W	27 JUN	1715	+ 9	435

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	118.7	0.66	2.92	0.52	1.63	7.81	32.34	2.2
11	125.0	0.72	2.49	0.50	1.15	7.58	32.35	2.3
21	146.0	1.36	2.36	0.78	1.69	7.22	32.32	2.7
40	219.0	0.67	1.38	0.41	0.69	5.79	32.45	4.0
98	549.2	0.46	0.82	0.35	0.70	4.16	32.68	9.6
400	630.4	0.64	1.19	0.48	0.56	4.02	34.00	11.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM049	50 21.8N	167 14.4W	30 JUN	0630	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	152.1	0.72	2.95	0.34	1.32	2.03	31.17	2.5
12	145.8	0.47	2.73	0.21	1.15	2.03	31.14	2.3
22	151.9	0.59	2.75	0.23	1.14	2.03	31.16	2.4
28	142.2	0.54	2.65	0.23	0.99	2.03	31.16	2.3

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB037	57 5.6N	167 0.1W	06 JUL	2130	+ 9	74

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	91.4	0.63	2.48	0.25	1.08	6.01	31.26	1.6
11	78.9	0.43	2.25	0.18	1.06	5.76	31.81	1.4
21	128.0	1.31	1.65	0.55	0.35	0-.82.00	31.42	1.9
41	127.3	1.37	1.62	0.56	0.38	-1.19	31.79	1.9
61	127.1	1.39	1.63	0.56	0.36	-1.20	31.78	1.9
70	129.7	1.33	1.66	0.57	0.35	-1.20	31.78	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB046	57 36.2N	168 4.0W	07 JUL	0205	+ 9	72

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	82.2	0.39	2.22	0.20	1.08	5.48	31.32	1.4
11	75.6	0.39	2.07	0.15	0.79	5.47	31.30	1.3
21	118.6	1.08	1.46	0.39	0.27	0-.94.00	31.50	1.7
40	119.6	1.16	1.45	0.39	0.27	-1.23	31.78	1.7
69	117.0	1.12	1.47	0.39	0.26	-1.25	31.79	1.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
EB048	56 18.7N	169 42.2W	07 JUL	1740	+ 9	153

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	77.9	0.57	2.17	0.22	0.74	6.75	31.91	1.4
11	76.2	0.65	2.08	0.21	0.70	6.69	31.93	1.4
22	89.2	0.89	2.23	0.29	0.54	4.88	32.00	1.5
51	331.9	1.22	1.33	0.31	0.19	2.31	32.31	5.5
101	441.5	1.17	1.35	0.29	0.21	3.06	32.80	7.5
126	305.1	1.11	1.15	0.26	0.16	3.15	32.78	5.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS003	57 3.8N	152 36.1W	25 JUN	2100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	117.0	1.17	2.68	2.19	1.60	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS004	56 56.1N	152 49.8W	25 JUN	2200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	405.2	1.77	3.39	1.07	1.94	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS005	56 48.4N	153 4.7W	25 JUN	2300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	156.2	1.02	1.84	0.54	1.11	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS006	56 41.4N	153 18.1W	26 JUN	0000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	409.2	2.01	2.86	0.95	1.35	8.71	32.38	8.0

CRUISE NUMBER
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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS007	56 26.8N	153 45.8W	26 JUN	0200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	378.5	1.78	3.35	1.10	1.64	9.03	32.16	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS008	56 18.8N	154 0.7W	26 JUN	0300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	512.9	1.31	2.76	0.89	1.27	8.45	32.28	10.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS009	56 13.0N	154 12.7W	26 JUN	0400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	218.7	1.75	2.95	0.80	1.40	9.15	32.30	4.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS010	56 4.7N	154 29.6W	26 JUN	0500	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	250.1	1.50	2.60	0.76	1.24	8.81	32.32	4.9

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS014	55 34.2N	155 51.8W	26 JUN	1000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	244.9	1.41	3.05	1.02	1.59	8.95	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS015	55 29.8N	156 9.7W	26 JUN	1100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	478.1	1.09	3.09	0.77	1.57	9.25	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS016	55 24.1N	156 33.8W	26 JUN	1210	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	265.0	1.14	3.35	0.74	1.65	9.28	32.47	5.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS018	55 16.9N	157 4.0W	26 JUN	1400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	377.2	1.45	3.16	0.83	1.27	7.95	32.42	7.3

CRUISE NUMBER
RP-4-MW-76-V111

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS021	55 7.7N	157 38.0W	26 JUN	1600	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	254.4	1.64	4.84	0.83	1.89	8.85	32.34	5.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS022	55 1.9N	157 57.7W	26 JUN	1710	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	184.3	1.30	3.91	0.84	1.83	9.10	32.46	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS025	54 46.8N	158 43.3W	26 JUN	2000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	130.8	1.40	4.19	0.70	1.48	8.55	32.21	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS026	54 44.0N	159 1.3W	26 JUN	2100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	175.6	2.49	3.56	0.91	1.42	8.55	32.18	3.4

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS027	54 40.8N	159 19.3W	26 JUN	2200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	156.6	1.95	4.35	0.83	1.59	9.10	32.31	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS028	54 37.6N	159 37.0W	26 JUN	2300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	139.5	1.18	4.29	0.67	1.50	8.75	32.28	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS029	54 33.5N	159 58.1W	27 JUN	0000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	143.3	1.04	3.84	0.65	1.59	8.90	32.30	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS030	54 30.7N	160 14.1W	27 JUN	0200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	139.2	0.88	3.48	0.60	1.43	8.30	32.26	2.7

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LOCATION
SOUTHEAST BERING SEA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS033	54 20.4N	161 7.0W	27 JUN	0400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	164.2	1.21	3.45	0.62	1.21	8.34	32.36	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS034	54 9.4N	162 3.4W	27 JUN	0700	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	147.6	1.71	3.56	1.03	1.27	7.68	32.26	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS036	54 6.2N	162 21.7W	27 JUN	0800	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	140.7	1.43	3.62	0.70	1.29	7.60	32.20	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS040	53 59.6N	162 58.0W	27 JUN	1000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	150.0	1.31	3.30	0.66	1.25	7.65	32.30	2.8

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS041	53 56.2N	163 16.1W	27 JUN	1100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	146.7	1.11	2.94	0.67	1.31	7.61	32.35	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS042	53 52.7N	163 35.5W	27 JUN	1200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	150.4	1.08	2.91	0.64	1.22	7.60	32.36	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS043	53 49.3N	163 54.2W	27 JUN	1300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	146.2	1.09	2.87	0.64	1.18	7.95	32.37	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS084	60 4.3N	167 48.9W	30 JUN	1100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	149.5	1.14	2.46	0.45	1.24	2.45	32.12	2.5

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS087	59 48.0N	167 43.8W	30 JUN	1300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	188.9	0.86	2.62	0.40	1.28	4.65	32.05	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS091	59 36.6N	167 6.8W	30 JUN	1500	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	148.3	0.88	2.96	0.42	1.34	3.10	32.27	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS101	58 24.7N	164 42.7W	01 JUL	1100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	128.8	1.03	3.71	0.47	1.52	3.36	31.31	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS112	58 43.9N	163 44.2W	1 JUL	2200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	143.1	1.13	4.26	0.64	1.79	5.11	31.89	2.5

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS113	58 38.2N	162 24.7W	1 JUL	2300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	246.0	1.16	3.98	0.65	1.75	4.26	31.85	4.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS142	57 56.7N	158 44.8W	3 JUL	2000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	151.6	1.81	4.11	0.57	1.76	8.00	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS143	57 56.0N	158 24.3W	3 JUL	2135	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	156.6	1.81	4.13	0.61	1.72	*	30.24	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS147	56 26.5N	158 25.8W	4 JUL	0945	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	226.0	1.91	4.14	0.78	2.17	3.13	31.34	3.8

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LOCATION
SOUTHEAST BERING SEA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS156	56 55.1N	159 45.9W	4 JUL	1730	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	188.1	2.27	4.43	0.68	1.52	3.50	31.24	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS157	56 50.6N	159 46.1W	4 JUL	1800	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	158.9	1.65	4.64	0.61	0.34	3.58	31.31	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS160	56 36.2N	159 55.0W	4 JUL	2030	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	393.4	1.39	5.90	0.74	2.43	7.42	30.32	7.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS161	56 34.3N	160 0.1W	4 JUL	2100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	239.5	1.43	5.51	0.69	2.06	5.72	30.85	4.2

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LOCATION
SOUTHEAST BERING SEA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS152	56 32.4N	160 5.0W	4 JUL	2130	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	181.6	1.56	5.07	0.64	1.90	6.00	31.03	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS153	56 30.2N	160 10.2W	4 JUL	2200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	236.5	1.39	5.42	0.68	2.33	7.51	30.66	4.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS164	56 28.2N	160 15.3W	4 JUL	2230	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	503.8	1.54	4.22	0.82	1.99	5.65	30.70	5.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS165	56 26.0N	160 22.2W	4 JUL	2300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	160.0	1.64	6.37	1.05	2.15	6.76	30.94	3.1

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LOCATION
SOUTHEAST BERING SEA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS166	56 23.3N	160 27.9W	4 JUL	2330	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	157.0	1.41	5.05	0.74	2.50	6.00	31.10	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS167	56 17.2N	160 32.1W	5 JUL	0000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	163.0	1.26	5.49	0.56	2.13	7.07	31.12	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS168	56 12.8N	160 34.8W	5 JUL	0030	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	264.6	1.48	5.07	0.71	1.89	6.68	30.94	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS169	56 9.0N	160 37.4W	5 JUL	0100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1114.0	1.52	4.35	0.86	1.96	7.06	30.33	20.7

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LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS170	56 7.5N	160 38.4W	5 JUL	0200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1359.2	1.20	4.20	0.85	1.93	7.70	30.08	25.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS172	56 23.2N	161 38.6W	5 JUL	0600	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	115.9	0.89	3.95	0.39	1.61	7.11	31.22	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS173	56 19.9N	161 55.5W	5 JUL	0700	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	113.3	0.91	3.72	0.38	1.56	7.30	31.14	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS174	56 15.4N	162 12.5W	5 JUL	0800	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	113.6	0.85	3.38	0.32	1.48	7.16	31.17	2.1

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS177	55 42.4N	162 22.3W	5 JUL	1400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	256.0	1.98	4.57	0.72	1.60	7.88	31.79	4.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS178	55 39.5N	162 28.8W	5 JUL	1430	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	151.7	1.65	4.09	0.62	1.51	7.74	32.10	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS179	55 36.7N	162 36.2W	5 JUL	1500	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	128.9	1.30	4.34	0.64	1.88	*	32.27	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS180	55 35.7N	162 43.6W	5 JUL	1530	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	222.2	1.79	3.72	0.68	1.16	7.75	32.39	4.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS181	55 35.7N	162 52.6W	5 JUL	1600	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	294.0	1.75	3.32	0.61	0.94	6.82	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS182	55 35.7N	163 1.2W	5 JUL	1630	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	254.8	1.30	3.04	0.51	1.26	7.83	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS183	55 34.5N	163 10.2W	5 JUL	1700	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	243.9	1.26	3.06	0.51	1.37	8.12	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS184	55 31.8N	163 17.7W	5 JUL	1730	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	234.5	1.59	3.28	0.58	1.23	7.64	*	*

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS185	55 28.0N	163 23.5W	5 JUL	1800	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	147.7	1.47	3.41	0.54	1.15	7.24	31.78	2.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS186	55 24.0N	163 27.5W	5 JUL	1830	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	253.7	1.66	3.45	0.57	1.31	7.38	31.82	4.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS187	55 19.1N	163 29.9W	5 JUL	1900	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	181.8	1.65	3.25	0.58	1.21	7.03	31.80	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS202	57 28.4N	168 39.3W	7 JUL	0435	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	123.0	0.81	1.99	0.30	1.06	6.05	31.26	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS203	57 26.5N	168 47.9W	7 JUL	0505	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	121.4	0.73	1.95	0.28	1.02	6.10	31.24	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS204	57 24.0N	168 57.2W	7 JUL	0535	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	114.4	0.69	1.87	0.26	0.91	6.15	31.26	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS205	57 21.8N	169 6.0W	7 JUL	0605	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	112.6	0.61	1.79	0.25	0.97	6.20	31.23	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS206	57 19.3N	169 15.0W	7 JUL	0635	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	116.3	0.60	1.74	0.27	0.97	6.25	31.23	2.1

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS207	57 16.5N	169 24.2W	7 JUL	0700	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	115.1	0.65	1.73	0.27	0.97	6.10	31.28	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS208	57 11.0N	169 42.2W	7 JUL	0800	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	155.0	1.26	2.48	0.49	1.01	3.38	31.62	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS209	57 6.6N	170 14.1W	7 JUL	0805	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	546.2	1.17	2.84	0.47	1.09	3.60	31.62	9.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS211	57 5.1N	170 14.7W	7 JUL	0835	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	475.9	1.27	2.85	0.47	1.09	3.78	31.62	8.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS213	57 2.6N	170 21.3W	7 JUL	1100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	274.8	1.17	3.09	0.51	1.20	4.55	31.60	4.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS214	56 52.6N	170 23.5W	7 JUL	1205	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	141.7	0.83	2.20	0.37	1.07	6.30	31.66	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS215	56 41.0N	170 24.2W	7 JUL	1305	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	134.2	0.87	2.22	0.39	1.06	6.23	31.67	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS217	56 37.8N	170 13.4W	7 JUL	1400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	123.1	0.83	2.50	0.39	1.07	6.65	31.67	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS218	56 36.8N	169 51.1W	7 JUL	1500	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	178.9	1.13	2.49	0.50	0.99	5.14	31.64	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS219	56 30.4N	169 39.6W	7 JUL	1600	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	178.9	1.13	2.49	0.50	0.99	3.62	31.61	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS221	56 24.3N	169 38.5W	7 JUL	1700	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	116.3	0.88	2.01	0.36	0.99	6.85	31.62	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS225	56 16.1N	169 30.6W	7 JUL	1900	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	117.8	0.89	2.61	0.35	1.05	7.10	32.00	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS227	56 14.1N	169 12.4W	7 JUL	2000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	128.6	1.07	3.58	0.40	0.99	7.60	32.46	2.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS229	56 12.8N	168 52.0W	7 JUL	2100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	121.5	1.18	3.54	0.41	1.15	7.20	32.14	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS230	56 12.2N	168 33.5W	7 JUL	2200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	124.9	1.37	3.04	0.43	1.00	7.25	32.15	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS232	56 9.5N	168 0.7W	8 JUL	0000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	115.3	1.15	2.65	0.37	1.17	7.84	32.52	2.2

CRUISE NUMBER
RP-4-MW-76-VIII

LOCATION
SOUTHEAST BERING SEA

INCLUSIVE DATES
25 JUN-08 JUL 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS233	56 7.0N	167 41.1W	8 JUL	0100	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	118.2	1.00	2.87	0.42	1.19	7.73	32.00	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS234	56 4.5N	167 21.1W	8 JUL	0200	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	120.0	0.95	2.70	0.42	1.17	7.80	32.18	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS235	56 1.7N	167 1.1W	8 JUL	0300	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	119.8	0.86	2.65	0.39	1.28	8.05	31.93	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PS236	55 58.9N	166 42.2W	8 JUL	0400	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	116.8	0.76	2.41	0.36	1.20	8.14	31.69	2.2

APPENDIX F

Norton Sound

F.1	RP-4-DI-76B-IV	08 Sep. - 24 Sep. 1976
F.2	RP-4-DI-79A-VI	02 Jul. - 18 Jul. 1979

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N001	63 31.4N	168 28.9W	13 SEP	2110	+10	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	149.9	1.26	2.58	0.47	0.40	3.08	31.94	2.5
10	156.5	1.17	2.48	0.47	0.39	2.92	31.94	2.6
25	158.5	1.17	2.50	0.47	0.37	2.90	31.95	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N002	63 30.6N	167 29.0W	13 SEP	1815	+10	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	96.0	0.40	1.16	0.17	0.39	7.50	31.63	1.8
10	114.8	0.50	1.11	0.22	0.24	7.09	31.60	2.1
24	383.9	1.32	3.52	0.57	0.29	2.28	32.05	6.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N003	63 29.7N	166 29.8W	13 SEP	1545	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	99.7	0.28	1.21	0.14	0.37	7.79	31.13	1.9
11	103.1	0.24	0.89	0.10	0.17	7.54	31.20	1.9
22	252.0	0.48	2.12	0.30	0.33	5.30	31.34	4.5

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N004	63 19.7N	165 29.9W	13 SEP	1200	+10	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	135.6	0.27	1.04	0.14	0.39	9.07	30.15	2.6
11	178.7	0.23	0.95	0.13	0.30	8.97	30.25	3.4
20	205.5	0.26	0.97	0.14	0.34	8.95	30.35	4.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N005	63 39.5N	165 32.1W	13 SEP	1000	+10	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	194.2	0.42	1.20	0.16	0.40	8.92	30.53	3.8
11	182.5	0.23	0.99	0.15	0.39	8.73	30.67	3.5
20	218.9	0.24	1.01	0.17	0.43	8.35	30.87	4.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N006	63 38.4N	164 31.0W	12 SEP	1625	+10	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	278.6	0.58	1.12	0.12	0.47	9.32	25.73	5.3
9	417.6	0.33	0.89	0.14	0.38	9.16	29.16	8.1

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N007	63 38.2N	163 30.3W	12 SEP	1310	+10	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	212.1	0.75	1.16	0.08	0.38	9.31	24.32	4.0
11	578.7	0.63	1.28	0.16	0.33	9.44	28.64	11.3
12	606.2	0.31	0.96	0.13	0.33	9.39	28.99	11.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N008	63 42.2N	162 28.5W	12 SEP	0100	+10	16

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	359.8	0.45	0.71	0.10	0.30	9.55	21.90	6.7
12	589.3	1.12	0.91	0.31	0.37	9.13	24.83	11.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N009	63 41.5N	161 31.1W	11 SEP	2210	+10	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	491.0	0.28	0.60	0.11	0.51	9.27	21.50	9.1
12	1960.0	0.83	0.89	0.34	0.35	5.18	26.83	34.0

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N010	64 1.0N	168 28.8W	13 SEP	2350	+10	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	85.9	0.15	1.23	0.26	*	7.17	31.69	1.6
11	100.0	0.17	1.36	0.31	*	7.17	31.68	1.8
21	115.7	0.43	1.58	0.39	*	6.38	31.70	2.1
34	198.3	0.85	2.44	0.61	*	3.20	32.14	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N011	64 0.8N	167 31.7W	14 SEP	0145	+10	34

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	96.8	0.14	1.07	0.22	*	6.39	31.69	1.7
11	100.5	0.14	1.13	0.21	*	6.38	31.69	1.8
21	261.2	1.02	2.80	0.62	*	4.25	31.45	4.5
30	259.4	0.82	2.57	0.62	*	3.52	32.00	4.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N012	63 59.2N	166 29.8W	14 SEP	0430	+10	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	126.5	0.15	0.96	0.13	*	7.23	31.50	2.3
10	146.5	0.16	1.13	0.17	*	6.97	31.55	2.7
20	490.9	0.84	3.07	0.45	*	3.89	31.29	8.4
27	522.6	0.98	3.11	0.51	*	3.15	31.82	8.8

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12A	64 7.8N	165 58.0W	14 SEP	0620	+10	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
13	155.4	0.10	1.04	0.14	*	7.71	31.12	2.9
19	294.5	0.32	1.50	0.23	*	6.97	31.23	5.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12B1	64 17.8N	166 0.0W	14 SEP	0720	+10	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
14	167.6	0.11	1.13	0.14	*	7.60	31.28	3.1
19	168.9	0.37	1.34	0.16	0.41	7.53	31.29	3.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12B2	64 17.6N	166 1.0W	14 SEP	1215	+10	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
14	173.0	0.37	1.32	0.16	0.42	7.43	31.30	3.2
20	175.6	0.39	1.38	0.16	0.43	7.41	31.32	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12C	64 28.6N	166 1.0W	14 SEP	0830	+10	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
21	504.2	3.44	2.31	1.16	0.56	7.04	30.43	9.4
26	433.6	3.10	2.16	1.02	0.53	7.56	30.82	8.2

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12D	64 23.5N	165 45.3W	14 SEP	0955	+10	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
16	159.2	0.63	1.40	0.23	0.52	8.07	31.24	3.0
21	157.7	0.54	1.69	0.22	1.23	8.07	31.24	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12E	64 11.9N	165 40.5W	14 SEP	1130	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
11	173.0	0.56	1.45	0.19	0.48	7.92	31.10	3.3
17	178.1	0.46	1.35	0.18	0.48	7.90	31.11	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12F	64 23.8N	166 14.5W	14 SEP	1300	+10	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
21	154.4	0.11	1.21	0.18	0.51	7.75	31.20	2.9
25	156.9	0.70	1.89	0.17	0.47	7.75	31.20	2.9

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N013	63 59.7N	165 29.7W	13 SEP	0735	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	177.9	0.29	1.03	0.17	0.39	8.06	31.08	3.4
11	182.9	0.24	1.03	0.24	0.19	8.00	31.07	3.5
17	191.8	0.28	1.05	0.18	0.37	7.95	31.08	3.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N014	64 1.2N	164 28.7W	12 SEP	1910	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	446.7	0.42	1.29	0.19	0.47	8.92	28.78	8.6
11	361.1	0.36	1.17	0.17	0.41	8.73	29.82	7.0
16	391.2	0.46	1.40	0.21	0.53	8.52	30.47	7.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N015	64 0.3N	163 31.0W	12 SEP	1105	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	228.1	0.71	1.36	0.15	0.52	8.79	27.18	4.3
10	406.7	0.62	1.66	0.21	0.39	8.10	27.53	7.6
17	648.7	0.79	2.08	0.32	0.30	3.98	29.83	11.1

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TA	64 0.3N	163 31.0W	23 SEP	0915	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	115.4	0.39	0.61	0.08	*	9.00	22.95	2.1
10	209.8	0.26	0.90	0.12	0.35	9.29	25.98	4.0
17	360.2	0.28	1.11	0.20	0.31	6.75	28.96	6.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TB	64 0.3N	163 31.0W	23 SEP	1100	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	123.2	0.53	1.67	0.34	T	9.05	22.96	2.2
11	243.0	0.25	1.00	0.13	0.44	9.35	26.23	4.6
18	354.1	0.29	1.10	0.20	0.36	6.73	28.97	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TC	64 0.3N	163 31.0W	23 SEP	1300	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	115.8	0.21	0.66	0.10	0.35	9.19	22.24	2.1
11	207.2	0.26	0.86	0.11	0.35	9.11	26.69	3.9
18	363.1	0.32	1.10	0.21	0.27	6.69	28.97	6.6

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TD	64 0.3N	163 31.0W	23 SEP	1500	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	108.4	0.48	1.22	0.10	0.52	9.35	21.59	2.0
11	343.6	0.48	1.42	0.12	0.43	9.25	27.47	6.6
18	377.2	0.56	1.69	0.21	0.36	6.65	29.00	6.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TE	64 0.3N	163 31.0W	23 SEP	1715	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	107.5	0.38	0.76	0.09	0.46	9.30	21.82	2.0
9	203.3	0.22	0.96	0.12	0.37	8.96	26.14	3.8
16	418.2	0.28	1.10	0.20	0.31	6.56	29.03	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TF	64 0.3N	163 31.0W	23 SEP	1910	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	104.4	0.38	0.72	0.09	0.38	9.32	21.54	1.9
11	206.2	0.25	1.02	0.12	0.41	9.12	27.40	3.9
14	424.2	0.61	1.62	0.20	0.26	6.53	29.08	7.7

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TG	64 0.3N	163 31.0W	23 SEP	2110	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	111.2	0.27	0.67	0.07	0.36	9.17	22.36	2.0
10	214.7	0.25	0.89	0.11	0.45	9.12	26.34	4.1
17	439.2	0.68	2.05	0.21	0.42	6.52	29.08	8.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TH	64 0.3N	163 31.0W	23 SEP	2300	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	105.8	0.37	0.68	0.09	0.35	9.29	21.73	1.9
12	307.9	0.26	1.04	0.15	0.31	8.97	26.83	5.8
18	428.9	0.34	1.18	0.23	0.36	6.53	29.08	7.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TI	64 0.3N	163 31.0W	24 SEP	0100	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	116.4	0.28	0.69	0.07	0.38	9.22	22.16	2.1
11	245.7	0.24	0.99	0.12	0.38	9.12	26.62	4.7
18	423.8	0.32	1.20	0.22	0.34	6.50	29.09	7.7

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TJ	64 0.3N	163 31.0W	24 SEP	0300	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	104.7	0.30	0.71	0.08	0.30	9.27	21.75	1.9
11	232.6	0.18	0.97	0.11	0.38	8.95	27.30	4.4
18	441.9	0.32	1.29	0.23	0.28	6.47	29.11	8.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TK	64 0.3N	163 31.0W	24 SEP	0500	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	106.2	T	0.62	0.09	0.28	9.15	22.16	1.9
11	237.4	0.23	0.93	0.13	0.32	9.29	26.67	4.5
17	435.4	0.65	1.89	0.23	0.32	6.56	29.12	7.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TL	64 0.3N	163 31.0W	24 SEP	0700	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	699.9	0.22	0.67	0.14	0.39	9.12	22.21	13.0
11	226.5	0.40	1.29	0.13	0.31	9.25	25.80	4.3
15	440.3	0.51	1.79	0.23	0.39	6.59	29.12	8.0

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N15TM	64 0.3N	163 31.0W	24 SEP	0910	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	109.7	0.30	0.68	0.09	0.38	9.11	22.41	2.0
11	205.3	0.14	0.95	0.12	0.40	8.48	27.72	3.8
17	443.8	0.46	1.82	0.22	0.37	6.63	29.10	8.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N016	64 0.0N	162 30.0W	12 SEP	0320	+10	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	187.7	1.21	1.00	0.23	0.36	8.42	25.83	3.5
10	438.6	0.68	1.32	0.24	0.31	8.18	25.85	8.1
15	647.7	0.40	0.81	0.35	*	3.11	29.01	10.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N017	64 0.2N	161 30.2W	11 SEP	1925	+10	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	405.6	0.32	0.64	0.20	0.42	9.69	21.43	7.6
13	323.7	0.26	0.24	0.35	0.12	1.64	29.52	5.2

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N1018	64 20.2N	165 30.9W	10 SEP	2135	+10	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	168.7	0.63	1.11	0.11	0.35	9.57	22.47	3.1
10	645.9	4.25	2.75	1.25	0.54	7.76	29.18	12.1
19	433.8	3.41	2.78	1.02	0.52	7.46	31.04	8.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2018	64 20.2N	165 30.0W	12 SEP	2240	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
16	582.3	4.58	2.44	1.27	0.55	7.93	30.23	11.0
21	596.5	4.42	1.99	1.33	0.50	7.45	30.48	11.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018A	64 19.9N	165 17.4W	12 SEP	2335	+10	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
18	713.9	4.07	3.02	1.26	0.52	6.64	30.22	13.1
23	715.5	3.97	2.90	1.23	0.46	6.60	30.25	13.1

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018B	64 25.1N	165 28.5W	13 SEP	0020	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
15	634.3	1.96	2.38	0.66	0.53	7.47	28.76	11.8
23	672.9	2.38	3.02	0.79	0.52	6.58	29.29	12.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018C	64 20.3N	165 42.2W	13 SEP	0115	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
17	337.1	4.51	1.42	1.55	0.55	8.23	31.16	6.5
21	352.5	4.71	1.36	1.62	0.52	8.25	31.18	6.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018D	64 15.2N	165 30.9W	13 SEP	0225	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	246.0	2.49	1.23	0.95	0.44	8.24	31.10	4.7
18	218.5	2.02	1.36	0.78	0.51	8.24	31.13	4.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018E	64 22.0N	165 1.2W	13 SEP	0410	+10	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
25	445.5	1.72	2.46	0.54	0.52	8.25	29.95	8.5
30	498.4	1.91	2.46	0.65	0.53	7.74	30.18	9.4

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N18F1	64 8.0N	165 30.5W	13 SEP	0605	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	155.9	0.33	1.09	0.18	0.36	8.11	31.10	3.0
11	363.4	5.69	1.25	1.92	0.36	8.11	31.10	7.0
17	459.2	8.34	1.28	2.86	0.37	8.00	31.13	8.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N18F2	64 8.0N	165 30.5W	23 SEP	0045	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	319.2	3.57	1.20	1.16	0.46	8.25	30.91	6.1
17	340.9	4.20	1.27	1.45	0.46	8.27	30.91	6.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018G	64 13.1N	165 29.3W	23 SEP	0135	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	386.8	5.31	1.14	1.83	0.44	8.17	30.97	7.4
18	390.5	5.37	1.16	1.85	0.45	8.19	30.96	7.5

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018H	64 7.5N	165 41.7W	23 SEP	0230	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
13	139.6	0.51	1.30	0.15	0.54	8.25	30.90	2.6
19	147.0	0.46	1.31	0.16	0.44	8.25	30.90	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018I	64 2.8N	165 30.2W	23 SEP	0320	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	174.4	0.41	1.12	0.16	0.38	8.38	30.88	3.3
18	176.7	0.42	1.19	0.19	0.61	8.38	30.88	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018J	64 7.5N	165 18.7W	23 SEP	0415	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	258.2	1.72	1.20	0.47	0.25	8.48	30.75	5.0
17	267.2	1.86	1.24	0.49	0.30	8.48	30.76	5.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018K	64 13.3N	165 21.3W	23 SEP	0520	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
12	232.4	2.28	1.14	0.77	0.36	8.38	30.96	4.5
17	230.4	2.32	1.33	0.76	0.41	8.38	30.96	4.4

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N019	64 19.4N	164 30.4W	11 SEP	0015	+10	16

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	527.1	0.44	1.14	0.29	0.05	9.00	25.26	9.9
12	512.6	0.56	1.23	0.32	0.37	5.36	28.62	9.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N020	64 20.1N	163 31.0W	11 SEP	0745	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	97.3	0.19	0.67	0.08	0.30	10.41	20.43	1.8
10	103.7	0.20	0.65	0.08	0.34	10.35	20.62	1.9
16	375.4	0.40	0.97	0.30	0.40	4.65	28.28	6.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N021	64 15.5N	162 29.6W	11 SEP	1055	+10	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	200.0	0.28	0.71	0.10	0.26	9.97	21.05	3.7
10	251.1	0.31	0.69	0.10	0.12	9.62	21.53	4.7
16	605.8	0.29	0.39	0.30	0.14	2.50	30.15	10.0

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N022	64 30.4N	162 0.1W	11 SEP	1300	+10	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	106.9	0.57	1.13	0.10	0.54	10.58	20.34	2.0
9	105.5	0.29	0.66	0.09	0.38	10.57	20.35	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N023	64 17.5N	161 30.7W	11 SEP	1610	+10	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	97.5	0.43	0.82	0.14	0.51	10.83	19.83	1.8
11	119.4	0.56	0.87	0.17	0.55	9.96	20.18	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N024	64 29.8N	168 28.3W	14 SEP	1930	+10	39

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	87.9	0.73	1.67	0.33	0.66	6.99	31.64	1.6
9	86.5	0.15	1.22	0.28	0.19	7.00	31.63	1.6
21	85.6	0.50	1.43	0.31	0.66	7.00	31.63	1.6
31	199.6	0.97	2.78	0.68	0.20	4.03	31.94	3.4
36	208.8	1.10	2.93	0.71	*	3.74	32.10	3.6

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N025	64 30.0N	167 30.0W	14 SEP	1645	+10	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	122.4	0.79	1.91	0.25	0.47	5.85	31.88	2.2
10	123.3	0.61	1.80	0.26	0.52	5.84	31.88	2.2
19	476.4	1.17	3.52	0.65	0.44	2.69	32.08	8.0
25	482.1	1.12	3.41	0.65	0.47	2.64	32.10	8.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N026	64 30.2N	166 31.5W	14 SEP	1410	+10	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	257.0	0.38	1.45	0.24	0.79	9.53	24.41	4.8
11	533.1	3.34	2.24	1.07	0.60	7.55	29.72	10.0
22	399.8	3.48	2.21	0.98	0.42	7.77	30.65	7.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N027	65 0.0N	168 26.7W	14 SEP	2245	+10	48

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	90.7	0.63	1.73	0.35	0.73	6.48	31.73	1.6
10	90.7	0.48	1.43	0.36	0.61	6.43	31.66	1.6
20	211.5	1.17	3.18	0.83	0.62	3.82	32.01	3.6
31	214.8	1.24	3.16	0.82	0.59	3.71	32.08	3.7
42	217.6	1.14	3.19	0.85	0.63	3.68	32.08	3.7

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N028	65 0.1N	167 31.5W	15 SEP	0100	+10	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	135.8	0.45	0.96	0.17	0.38	7.60	29.56	2.5
11	199.3	0.39	1.63	0.21	0.45	7.04	31.43	3.7
26	204.1	0.44	1.63	0.19	0.45	6.87	31.50	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N028A	64 44.3N	166 56.9W	22 SEP	2040	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	173.2	0.49	1.60	0.18	0.45	7.43	29.33	3.2
11	175.3	0.51	1.61	0.16	0.41	6.95	31.20	3.2
20	167.5	0.47	1.55	0.16	0.41	6.82	31.32	3.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N029	65 17.8N	167 0.4W	15 SEP	0425	+10	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	152.3	0.50	0.87	0.13	0.34	9.16	23.45	2.8
11	343.9	0.59	1.33	0.23	0.30	8.57	25.80	6.4

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N030	65 30.8N	168 31.0W	15 SEP	0750	+10	58

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	386.2	0.78	2.64	0.48	0.46	7.84	27.55	7.2
12	330.8	0.39	2.16	0.39	0.48	6.92	31.40	6.1
20	192.3	0.27	1.59	0.31	0.54	6.53	31.59	3.5
42	175.8	0.40	1.29	0.26	0.50	5.24	31.80	3.1
51	170.2	0.31	0.87	0.23	*	4.61	31.88	3.0

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N001	64 19.8N	162 2.0W	10 JUL	1233	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
10	199.1	0.14	*	*	*	10.48	23.07	3.3
14	340.5	0.20	1.59	0.16	*	10.03	25.04	6.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N002	64 11.3N	161 25.7W	10 JUL	0946	+ 9	17

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	214.0	0.11	1.94	0.09	1.23	11.16	19.25	4.0
10	209.8	0.10	1.68	T	*	11.16	19.44	4.0
12	220.3	0.19	1.79	0.14	1.14	10.93	20.96	4.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N003	63 59.9N	162 0.4W	10 JUL	0709	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	229.7	0.13	1.88	T	1.25	10.51	23.65	4.4
10	1024.0	0.31	1.64	0.19	0.47	9.31	28.11	19.8
14	929.2	0.30	1.62	0.20	0.39	7.22	31.06	17.4

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N004	63 48.3N	161 22.2W	10 JUL	0403	+ 9	9

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	533.5	0.18	1.64	*	T	11.19	22.11	10.4
4	518.8	*	1.80	0.12	1.12	11.14	22.05	10.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N005	63 40.2N	161 18.8W	09 JUL	2240	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	572.6	0.17	2.63	0.17	1.74	10.38	24.49	11.1
4	618.4	0.13	1.76	0.09	*	10.35	24.51	12.0
8	811.4	0.17	1.43	0.09	0.86	10.02	25.65	15.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N006	63 40.0N	161 58.3W	10 JUL	0146	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	560.7	0.14	1.53	0.11	1.07	*	*	*
8	570.7	0.14	1.53	0.10	1.55	*	*	*

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N007	63 40.2N	162 59.4W	11 JUL	0501	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	234.4	0.11	1.42	0.18	0.90	10.41	20.94	4.4
5	186.3	0.14	1.59	0.12	0.95	10.36	22.83	3.5
10	242.0	0.13	1.41	0.14	0.74	9.80	26.01	4.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N07A	63 25.6N	163 18.8W	11 JUL	0730	+ 9	10

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	298.8	0.12	1.59	0.11	0.92	10.64	20.11	5.6
5	300.9	0.12	1.55	0.13	1.07	10.63	20.43	5.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N7SB	63 8.0N	163 16.0W	11 JUL	1000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	434.0	0.51	3.84	0.36	1.78	*	*	*
0	408.9	0.18	3.16	0.22	1.75	*	*	*

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N008	63 59.9N	163 2.1W	10 JUL	2023	+ 9	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	133.1	0.14	2.11	0.22	1.35	11.75	23.18	2.6
10	276.7	0.14	1.29	0.13	0.39	8.23	30.52	5.3
15	286.0	0.12	1.37	0.15	0.53	8.20	30.60	5.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N009	64 15.0N	163 9.0W	10 JUL	1552	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	119.6	0.16	1.90	0.17	1.13	11.50	22.98	2.3
10	261.9	0.41	1.91	*	1.04	10.96	24.10	5.1
16	309.5	0.16	1.31	0.10	0.63	9.64	27.01	0.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N09A	64 10.6N	163 2.9W	10 JUL	1820	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	148.3	0.11	2.19	*	1.57	11.63	21.92	2.9
10	173.4	0.31	1.71	0.22	0.91	11.26	23.81	3.4
20	587.8	0.27	1.60	0.18	0.68	8.24	30.03	11.2

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N010	64 20.2N	164 1.7W	11 JUL	1843	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	108.4	0.16	1.99	0.12	1.24	11.59	23.22	2.1
7	122.1	0.10	1.51	0.11	0.94	11.14	23.65	2.4
13	144.4	0.20	1.79	0.22	0.61	10.24	27.86	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N10A	64 8.2N	164 1.4W	11 JUL	1627	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	100.4	0.14	2.95	0.15	1.79	11.90	23.29	2.0
10	282.1	0.23	1.57	0.18	0.51	8.55	30.39	5.4
19	286.1	0.21	1.34	0.16	0.35	8.21	30.66	5.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N011	64 0.2N	163 59.4W	10 JUL	2340	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	86.2	0.16	1.56	0.12	0.92	11.18	25.85	1.7
13	235.0	0.42	2.38	0.30	0.93	8.66	30.16	4.5

CRUISE NUMBER
RP-4-D1-79A-V1

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N012	63 40.5N	163 57.7W	11 JUL	0212	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	258.3	0.19	1.77	T	T	9.95	26.72	5.0
4	260.5	0.15	1.36	0.13	0.75	9.95	26.74	5.0
8	290.3	0.14	1.32	0.13	0.83	9.91	26.86	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N013	63 20.3N	165 11.2W	12 JUL	0757	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	285.4	0.25	1.32	0.22	0.62	8.63	29.34	5.5
8	287.5	0.17	1.26	0.16	0.49	8.62	29.35	5.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N13SB	63 7.0N	164 46.0W	12 JUL	1000	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	2222.6	0.33	2.30	0.30	1.30	*	*	*
0	2149.8	0.26	2.36	0.25	1.36	*	*	*

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N014	63 39.6N	165 0.5W	12 JUL	0055	+ 9	17

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	400.4	0.35	1.31	0.25	0.56	9.28	28.63	7.8
12	441.8	T	0.77	0.13	0.39	9.08	28.79	8.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N015	64 0.0N	164 59.8W	11 JUL	2232	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	142.0	0.14	1.12	0.09	0.46	9.11	28.48	2.7
14	158.8	0.14	1.40	0.12	0.70	9.06	28.78	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N016	64 11.6N	165 1.2W	07 JUL	1227	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	117.0	T	0.74	T	0.53	8.99	27.82	2.2
14	138.5	0.18	1.51	0.13	0.77	*	*	*

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N017	64 19.6N	165 2.7W	07 JUL	1814	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	110.3	0.15	1.42	0.13	0.77	10.79	27.41	2.2
20	133.1	0.21	1.74	0.19	0.62	9.08	30.04	2.6
25	131.1	0.20	1.71	0.17	0.65	9.07	30.06	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17A	64 19.3N	165 2.6W	16 JUL	0820	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	112.5	0.31	1.68	0.18	0.92	*	*	*
10	243.7	0.92	1.63	0.28	0.68	*	*	*
24	316.2	1.55	1.75	0.46	0.60	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17B	64 19.3N	165 2.6W	16 JUL	1205	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	127.0	0.39	1.87	0.18	0.93	11.07	27.94	2.5
15	368.9	1.98	1.59	0.55	0.66	8.50	28.82	7.0
28	358.8	2.08	1.75	0.57	0.67	8.68	29.25	6.9

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17C	64 19.3N	165 2.6W	16 JUL	1604	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	121.9	0.33	1.92	0.16	0.88	11.02	28.03	2.4
15	345.6	1.91	1.65	0.52	0.64	8.42	28.97	6.6
27	367.9	2.30	1.75	0.62	0.64	8.66	29.23	7.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17D	64 19.3N	165 2.6W	16 JUL	2100	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	128.1	0.35	1.83	0.23	0.99	10.81	28.21	2.5
15	305.7	1.44	1.75	0.45	0.69	8.67	28.81	5.8
27	294.4	1.34	1.74	0.57	0.71	8.80	29.23	5.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17E	64 19.3N	165 2.6W	17 JUL	0010	+ 9	9

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	266.8	1.39	1.82	0.48	0.54	10.45	28.30	5.7
14	265.3	1.01	1.64	0.33	0.65	8.78	28.65	5.1
27	142.2	0.35	1.72	0.20	0.74	8.80	29.28	2.7

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N17F	64 19.3N	165 2.6W	17 JUL	0400	+ 9	9

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	127.3	0.42	1.83	0.20	0.83	10.91	28.00	2.5
15	341.2	2.03	1.62	0.55	0.56	8.40	28.85	6.5
25	388.9	1.98	1.55	0.57	0.63	8.54	29.10	7.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018	64 20.6N	165 22.7W	07 JUL	2050	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	116.9	0.24	1.53	0.21	0.61	10.47	27.73	2.3
9	115.7	*	0.82	*	0.32	10.16	28.82	2.3
24	142.9	0.35	2.28	0.22	9.47	9.15	29.99	2.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N019	64 14.1N	165 16.7W	07 JUL	1445	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	159.6	0.21	1.58	0.11	0.76	8.76	27.95	3.0
13	165.2	0.29	1.24	0.10	0.46	8.10	30.04	3.1

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N020	64 7.2N	165 30.1W	07 JUL	0920	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	178.8	0.63	1.53	0.32	0.70	7.28	29.67	3.3
8	182.8	0.63	1.43	0.32	0.69	7.23	29.63	3.4
15	180.1	0.66	1.40	0.29	0.65	7.23	29.69	3.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N021	64 12.3N	165 31.5W	07 JUL	0645	+ 9	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	171.3	0.17	1.53	0.14	0.74	8.21	28.73	3.2
9	200.5	0.41	1.44	0.20	0.64	7.88	29.14	3.7
15	211.0	0.48	1.49	0.22	0.68	7.20	29.51	3.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N21B1	64 16.1N	165 45.6W	14 JUL	2005	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
3	164.8	1.30	2.11	0.48	1.09	10.52	27.92	3.2
9	294.2	3.69	1.59	1.05	0.61	8.02	29.51	5.5
16	302.4	4.01	1.67	1.14	0.62	8.15	29.57	5.7

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N21B2	64 16.1N	165 45.6W	15 JUL	0000	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	208.3	1.05	1.49	0.19	0.60	11.87	27.76	4.2
10	215.3	1.01	1.47	0.44	0.52	7.70	29.31	4.0
15	206.7	1.07	1.47	0.43	0.54	7.69	29.38	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N21B3	64 16.1N	165 45.6W	15 JUL	0400	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	103.0	0.57	2.42	0.32	1.32	12.15	27.57	2.1
10	201.6	0.93	1.40	0.42	0.52	7.58	29.37	3.7
14	200.9	0.95	1.46	0.39	0.59	7.57	29.42	3.7

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N21B4	64 16.1N	165 45.6W	15 JUL	0800	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	100.0	0.41	2.53	0.22	1.36	12.34	27.03	2.0
10	230.2	1.85	1.56	0.63	0.56	7.70	29.37	4.3
16	221.1	1.53	1.56	0.53	0.57	7.54	29.47	4.1

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2185	64 16.1N	165 45.6W	15 JUL	1205	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	94.2	0.36	2.63	0.24	1.49	12.29	27.13	1.9
10	237.6	1.99	1.66	0.62	0.60	7.78	29.40	4.4
15	221.2	1.50	1.58	0.55	0.57	7.49	29.50	4.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2186	64 16.1N	165 45.6W	15 JUL	1600	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	89.0	0.32	2.57	0.17	1.39	12.49	27.00	1.8
10	240.4	2.22	1.56	0.73	0.61	7.90	29.34	4.6
14	214.4	1.32	1.55	0.48	0.59	7.52	29.44	4.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2187	64 16.1N	165 45.6W	15 JUL	2000	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	102.1	0.50	2.39	0.26	1.25	12.37	27.15	2.1
10	218.2	1.25	2.02	0.64	0.79	7.45	29.44	4.0
15	214.6	1.01	1.57	0.45	0.51	7.44	29.49	4.0

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-16 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2188	64 16.1N	165 45.6W	15 JUL	0000	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	234.2	1.13	1.55	0.47	1.09	11.87	27.42	4.8
10	238.5	1.24	1.58	0.53	0.60	7.46	29.46	4.4
15	112.6	0.44	2.03	0.23	1.04	7.43	29.51	2.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2189	64 16.1N	165 45.6W	16 JUL	0400	+ 9	19

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	109.0	0.49	1.78	0.26	0.89	10.95	27.97	2.2
10	235.1	1.07	1.57	0.44	0.54	7.35	29.52	4.3
15	234.0	1.07	1.55	0.41	0.53	7.34	29.54	4.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N022	64 19.9N	165 41.6W	07 JUL	2332	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	101.2	0.28	0.93	0.15	0.36	9.06	28.06	1.9
12	326.2	4.78	2.40	1.31	1.13	8.46	29.88	6.2
18	285.9	3.90	1.86	1.05	0.64	8.47	29.99	5.5

CRUISE NUMBER
RP-4-D1-79A-V1

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N023	64 26.9N	165 42.4W	08 JUL	1145	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	96.5	0.11	1.50	0.12	0.71	10.63	28.13	1.9
13	86.1	*	0.78	0.10	0.44	9.79	29.23	1.7
19	118.0	0.54	0.38	*	*	9.53	29.50	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N024	64 28.2N	165 59.7W	08 JUL	0905	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	94.4	0.14	1.34	0.12	0.59	10.38	28.21	1.8
8	95.6	0.13	1.30	0.11	0.53	10.27	28.57	1.9
11	146.0	0.20	1.74	0.15	0.64	10.01	28.82	2.9
18	150.9	0.17	1.56	0.15	0.59	9.36	29.76	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N025	64 19.6N	165 59.3W	08 JUL	0245	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	144.0	0.73	1.45	0.30	0.74	8.80	27.97	2.7
11	184.0	1.05	1.58	0.41	0.60	7.82	29.08	3.4
17	179.2	0.87	1.80	0.33	0.78	7.85	29.61	3.3

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N026	64 12.2N	165 59.7W	07 JUL	0310	+ 9	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	166.4	1.35	1.53	0.94	0.72	7.84	29.34	3.1
11	157.3	0.29	1.74	0.20	0.71	7.18	29.79	2.9
16	163.7	0.27	1.60	0.20	0.67	6.87	29.85	3.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N027	64 25.3N	166 27.4W	08 JUL	0605	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	116.4	0.41	1.56	0.21	0.68	9.39	28.34	2.2
16	165.5	0.51	1.74	0.24	0.58	9.03	29.66	3.2
22	179.5	0.76	1.85	0.27	0.73	8.82	29.80	3.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N028	64 12.1N	166 27.4W	06 JUL	2325	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	172.3	0.45	1.89	0.25	0.74	6.99	29.97	3.2
15	181.3	0.31	1.64	0.19	0.69	6.62	30.02	3.3
21	174.0	0.34	1.55	0.20	0.65	6.37	30.08	3.1

CRUISE NUMBER
RP-4-D1-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N029	64 0.4N	165 59.5W	14 JUL	1050	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	96.1	0.20	3.03	0.20	1.66	9.99	28.81	1.9
10	119.7	0.20	1.34	0.16	0.67	8.43	28.89	2.2
19	161.9	0.35	1.87	0.27	0.58	6.47	30.32	2.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N030	63 39.7N	165 59.3W	14 JUL	0830	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
9	125.3	0.30	1.60	0.26	0.56	7.72	30.29	2.3
22	248.0	0.49	2.18	0.31	0.57	5.26	31.42	4.4

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N031	63 20.6N	166 0.1W	12 JUL	0455	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	134.4	0.24	1.88	0.23	0.74	7.52	30.67	2.5
10	150.3	0.30	1.79	0.23	0.59	6.57	30.91	2.7
20	173.4	0.31	2.08	0.26	0.53	5.89	31.13	3.1

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N32A	62 39.3N	165 40.5W	12 JUL	1425	+ 9	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	346.8	0.27	4.64	0.22	2.12	10.00	22.87	5.6
9	132.4	0.20	1.39	0.17	0.55	9.22	28.79	2.5

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N32SB	62 36.0N	165 24.0W	12 JUL	1500	+ 9	0

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
0	1558.5	0.33	3.85	0.37	1.95	*	*	*
0	1524.2	0.26	2.79	0.35	1.70	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N033	63 0.4N	167 3.1W	12 JUL	2120	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	67.6	0.10	1.49	0.15	0.50	7.71	30.73	1.2
12	120.4	0.55	3.17	0.60	0.89	6.06	30.90	2.1
22	109.3	0.30	1.41	0.28	0.43	5.46	31.02	1.8

CRUISE NUMBER
RP-4-D1-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N034	63 20.0N	167 1.4W	13 JUL	0820	+ 9	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	111.9	0.49	3.31	0.34	1.05	6.35	31.29	2.0
11	113.0	0.54	2.19	0.35	0.59	5.20	31.24	2.0
22	114.2	0.54	2.09	0.37	0.63	5.10	31.34	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N035	63 30.3N	167 36.9W	13 JUL	1030	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	60.6	0.47	3.20	0.39	0.97	6.29	31.73	1.4
9	66.3	*	1.11	0.22	0.40	5.85	31.42	1.2
27	113.8	1.01	2.43	0.68	0.38	3.38	31.81	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N036	63 39.6N	167 3.6W	14 JUL	0125	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
4	121.7	0.52	3.32	0.38	1.15	6.74	31.56	2.2
10	70.6	0.19	1.14	0.16	0.25	5.00	31.63	1.2
24	193.0	0.64	1.96	0.33	2.17	4.28	31.78	3.3

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N037	63 48.2N	167 22.7W	13 JUL	2215	+ 9	34

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
9	99.0	0.52	2.21	0.38	0.61	5.39	31.27	1.7
29	116.3	0.52	1.20	0.25	*	2.82	31.81	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N038	64 0.3N	167 1.3W	14 JUL	0420	+ 9	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	96.7	0.33	4.23	0.31	1.35	8.19	31.51	1.8
10	133.6	0.42	2.38	0.32	0.81	5.70	31.45	2.4
20	254.0	0.88	2.31	0.60	0.44	5.03	31.51	4.5
28	242.0	0.98	2.29	0.60	0.41	3.17	31.78	4.1

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N039	64 20.2N	167 2.4W	18 JUL	0415	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	83.1	0.39	2.14	0.19	1.04	7.93	31.11	1.5
10	225.4	0.48	2.33	0.32	0.81	6.08	31.19	4.1
27	200.6	0.67	2.48	0.66	0.65	4.17	31.70	3.5

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N040	64 40.3N	167 1.9W	17 JUL	1220	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	102.1	0.26	1.99	0.19	0.79	9.70	29.22	2.0
11	104.3	0.18	2.52	0.18	0.88	8.38	28.87	1.9
21	202.4	0.46	2.26	*	*	8.33	29.08	3.8

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N041	64 40.3N	168 1.4W	17 JUL	1340	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	73.3	0.16	2.26	0.26	0.79	7.54	31.06	1.3
10	93.7	0.51	2.73	0.62	1.22	5.26	31.71	1.0
20	98.2	0.67	2.33	0.43	*	4.86	31.56	1.7
33	143.1	1.02	2.42	0.66	0.55	2.53	31.78	2.3

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N042	64 20.2N	168 0.0W	18 JUL	0130	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	75.2	0.33	2.57	0.21	1.01	7.08	30.57	1.4
10	94.4	0.41	2.90	0.43	1.21	5.25	31.42	1.6
20	125.3	1.35	2.57	0.82	0.52	2.78	31.75	2.6
31	157.8	1.42	2.00	0.83	0.56	2.74	31.77	2.6

CRUISE NUMBER
RP-4-D1-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N043	63 59.5N	168 1.2W	13 JUL	2050	+ 9	38

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	75.4	0.25	2.08	0.21	0.53	6.70	31.65	1.4
10	97.6	0.64	5.16	0.63	1.57	6.30	31.60	1.8
20	90.2	0.33	1.92	0.35	0.53	4.95	31.71	1.6
33	159.3	1.63	2.98	0.92	0.56	2.62	31.80	2.6

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N044	63 40.5N	168 0.7W	13 JUL	1220	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	80.4	0.27	3.01	0.22	0.85	6.72	31.45	1.5
10	88.6	0.54	3.12	0.40	0.86	5.27	31.32	1.5
28	137.1	0.82	2.12	0.48	0.27	2.53	31.80	2.2

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N045	63 23.2N	168 29.0W	13 JUL	0320	+ 9	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
27	101.6	0.71	2.12	0.50	0.39	1.96	31.81	1.6

CRUISE NUMBER
RP-4-DI-79A-VI

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N046	63 19.7N	167 59.1W	13 JUL	0520	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	86.4	0.65	3.12	0.38	0.99	5.25	31.66	1.5
19	118.7	0.77	2.42	0.41	0.66	3.61	31.73	2.0
24	121.2	0.75	2.39	0.42	0.68	3.78	31.73	2.0

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N047	63 0.0N	168 0.5W	13 JUL	0020	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	96.7	0.22	1.23	0.31	0.47	6.28	31.56	1.7
13	102.4	0.53	2.30	0.36	0.50	5.22	31.57	1.8
19	107.9	0.51	2.99	0.54	1.10	5.15	31.62	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N048	64 0.1N	168 59.5W	13 JUL	1435	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
2	81.9	0.30	3.55	0.30	1.21	6.37	30.46	1.5
10	81.0	0.26	3.14	0.22	1.11	6.10	30.39	1.4
20	119.6	0.75	2.18	0.50	0.49	2.11	31.84	1.9
28	126.2	0.71	2.11	0.56	0.44	1.89	31.89	2.1

CRUISE NUMBER
RP-4-DI-79A-V1

LOCATION
NORTON SOUND

INCLUSIVE DATES
02 JUL-18 JUL 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N049	64 19.9N	169 1.0W	17 JUL	2235	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	86.7	2.23	0.52	1.09	0.24	4.27	31.57	1.5
10	113.3	0.63	2.62	0.42	0.79	3.23	31.37	1.9
21	116.3	0.00	2.36	0.45	0.95	2.49	31.70	1.9
35	114.7	0.71	2.37	0.50	0.76	2.40	31.71	1.9

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N050	64 39.0N	169 0.0W	17 JUL	2015	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	TEMP	SAL	C/C*
1	94.6	0.53	2.01	0.36	0.92	4.30	31.34	1.6
10	114.6	0.67	2.27	0.50	0.53	2.44	31.45	1.9
20	125.8	0.80	2.13	0.56	0.50	1.12	31.97	2.0
39	132.4	1.01	2.10	0.54	0.49	0.94	31.98	2.1

APPENDIX G

Chukchi Sea

G.1

RP-4-DI-76B-IV

08 Sep. - 24 Sep. 1976

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C001	66 0.5N	168 22.5W	22 SEP	1040	+10	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	122.9	0.47	1.06	0.13	0.37	*	*
11	159.3	0.45	1.04	0.17	0.29	*	*
21	303.2	0.58	1.93	0.31	0.38	*	*
40	311.6	0.67	2.16	0.39	0.42	*	*
50	312.4	0.62	2.13	0.39	0.44	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C002	66 30.1N	168 24.1W	15 SEP	1410	+10	49

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	116.7	0.27	0.86	0.16	0.37	*	*
11	179.6	0.43	1.77	0.34	0.59	*	*
21	198.7	0.52	1.96	0.39	0.65	*	*
46	238.2	0.73	2.37	0.59	0.61	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C003	66 30.5N	167 1.6W	22 SEP	0630	+10	31

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	96.5	0.39	0.89	0.13	0.32	*	*
13	112.5	0.36	0.85	0.15	0.24	*	*
29	282.5	0.72	2.44	0.52	0.53	*	*

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C004	66 30.0N	165 39.2W	17 SEP	0325	+10	16

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	132.0	0.35	1.01	0.21	0.45	*	*
12	110.1	0.34	0.94	0.22	0.34	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C005	66 17.9N	163 13.4W	16 SEP	1115	+10	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	436.5	0.44	1.35	0.13	0.49	*	*
10	2051.5	0.87	2.12	0.34	0.52	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C006	66 23.3N	162 14.4W	17 SEP	1700	+10	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	290.0	0.66	1.43	0.13	0.70	*	*
10	2851.1	0.29	1.29	0.53	0.32	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C007	66 44.5N	163 18.0W	16 SEP	0815	+10	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	261.8	0.52	1.22	0.11	0.47	*	*
12	628.3	0.48	1.47	0.20	0.42	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C07A	66 52.5N	163 9.4W	17 SEP	1005	+10	14

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	220.5	0.36	0.86	0.15	0.40	*	*
11	625.4	0.43	1.06	0.17	0.38	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C008	67 0.3N	168 26.2W	15 SEP	1840	+10	35

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	167.8	0.85	1.74	0.61	0.50	*	*
10	163.6	0.57	1.64	0.51	0.51	*	*
17	164.0	0.82	2.08	0.49	0.49	*	*
26	217.1	0.76	2.04	0.64	0.54	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C009	67 0.2N	167 1.9W	15 SEP	2330	+10	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	104.4	0.13	0.89	0.19	*	*	*
11	150.3	0.27	1.38	0.40	0.53	*	*
21	228.7	0.94	2.33	0.63	0.51	*	*
36	230.7	0.90	1.89	0.54	0.52	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C010	67 0.0N	165 40.0W	16 SEP	0230	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	87.9	0.37	0.99	0.13	0.37	*	*
11	190.3	0.59	1.96	0.24	0.56	*	*
20	233.1	0.73	2.52	0.32	0.72	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TA	66 58.0N	165 46.7W	18 SEP	0415	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	90.3	0.30	0.65	0.11	0.11	*	*
12	173.9	0.43	1.86	0.29	0.61	*	*
21	*	0.55	2.42	0.34	0.63	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TB	66 58.0N	165 46.7W	18 SEP	0615	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	117.3	0.86	1.46	0.21	0.47	*	*
12	199.8	1.05	3.67	0.62	0.71	*	*
19	202.5	0.57	2.20	0.36	0.66	*	*

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TC	66 58.0N	165 46.7W	18 SEP	0815	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	105.1	0.35	0.90	0.14	0.40	*	*
11	124.2	0.36	1.13	0.20	0.50	*	*
20	179.4	0.51	1.96	0.33	0.59	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TD	66 58.0N	165 46.7W	18 SEP	1015	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	92.3	0.67	1.18	0.13	0.26	*	*
11	170.2	0.81	2.36	0.33	0.64	*	*
19	168.3	0.83	2.34	0.35	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TE	66 58.0N	165 46.7W	18 SEP	1215	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	101.0	0.72	1.41	0.12	0.31	*	*
11	199.6	0.57	2.27	0.39	0.64	*	*
18	193.2	0.57	2.15	0.35	0.59	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TF	66 58.0N	165 46.7W	18 SEP	1415	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	99.2	0.54	0.78	0.09	T	*	*
11	197.3	1.00	3.14	0.38	0.64	*	*
20	198.7	1.03	2.79	0.38	0.65	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TG	66 58.0N	165 46.7W	18 SEP	1615	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	98.4	0.38	0.79	0.11	T	*	*
11	188.0	0.62	2.12	0.37	0.52	*	*
20	192.9	0.59	2.20	0.38	0.54	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TH	66 58.0N	165 46.7W	18 SEP	1810	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	153.3	3.06	5.93	1.32	0.46	*	*
11	193.1	0.72	2.25	0.39	0.55	*	*
20	197.6	0.74	2.27	0.40	0.62	*	*

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TI	66 58.0N	165 46.7W	18 SEP	2015	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	96.6	0.41	0.80	0.11	T	*	*
12	229.0	1.08	2.97	0.33	0.43	*	*
18	197.6	1.18	3.05	0.40	0.11	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TJ	66 58.0N	165 46.7W	18 SEP	2215	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	97.3	0.45	0.82	0.12	T	*	*
11	207.9	0.60	2.23	0.37	0.60	*	*
17	199.3	0.67	2.31	0.38	0.69	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TK	66 58.0N	165 46.7W	19 SEP	0010	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	92.3	0.44	0.79	0.10	0.14	*	*
12	182.0	0.55	1.75	0.28	0.66	*	*
20	197.9	1.02	2.85	0.41	0.65	*	*

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TL	66 58.0N	165 46.7W	19 SEP	0200	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	89.8	0.78	1.34	0.08	0.35	*	*
12	222.9	0.91	2.72	0.34	0.61	*	*
20	201.6	0.85	2.78	0.41	0.73	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TM	66 58.0N	165 46.7W	19 SEP	0415	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	88.3	0.35	0.80	0.10	0.39	*	*
11	231.2	1.01	2.81	0.33	0.69	*	*
20	211.0	0.90	2.75	0.39	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C10TN	66 58.0N	165 46.7W	19 SEP	0515	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	88.8	0.41	0.79	0.12	0.26	*	*
9	158.3	0.83	1.83	0.23	0.46	*	*
18	214.6	0.89	2.88	0.42	0.70	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C011	67 0.0N	164 20.0W	16 SEP	0540	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	98.4	0.62	1.35	0.13	0.50	*	*
12	117.9	0.63	1.34	0.16	0.36	*	*
22	308.6	0.80	2.15	0.30	0.43	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C012	67 30.2N	168 23.0W	22 SEP	0130	+10	48

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	122.3	0.36	1.16	0.21	0.47	*	*
12	171.3	0.56	1.35	0.36	0.43	*	*
22	490.1	1.52	3.26	0.99	0.37	*	*
42	487.8	1.63	2.56	1.06	0.28	*	*
44	483.8	1.61	2.51	1.07	0.28	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C013	67 30.3N	167 2.5W	20 SEP	0115	+10	47

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	128.0	0.41	0.87	0.30	0.31	*	*
11	169.5	0.81	1.29	0.35	0.29	*	*
21	267.9	1.23	1.78	0.46	0.29	*	*
31	345.7	1.11	1.82	0.53	0.31	*	*
43	418.3	1.38	2.10	0.66	0.36	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C014	67 28.9N	165 39.5W	18 SEP	0100	+10	39

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	120.1	0.33	0.76	0.10	0.27	*	*
11	156.2	0.37	0.94	0.20	0.46	*	*
35	171.1	0.44	1.07	0.24	0.33	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C015	67 30.6N	164 11.2W	19 SEP	2015	+10	17

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	186.2	1.02	1.87	0.12	0.63	*	*
11	309.9	0.43	0.92	0.17	0.35	*	*
13	332.4	0.43	0.93	0.18	0.29	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C016	68 1.2N	168 28.6W	21 SEP	2205	+10	59

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	102.6	0.53	1.12	0.26	0.45	*	*
11	163.3	0.73	1.28	0.42	0.47	*	*
20	363.1	1.36	2.03	0.60	0.28	*	*
30	428.9	1.55	2.22	0.79	0.23	*	*
40	540.5	2.19	2.42	1.07	0.26	*	*
55	609.2	2.61	2.64	1.12	0.31	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C017	68 1.1N	167 0.0W	20 SEP	0715	+10	52

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	98.0	0.34	0.70	0.13	T	*	*
11	123.8	0.53	1.04	0.28	T	*	*
21	294.1	1.01	2.08	0.63	0.41	*	*
42	355.0	1.36	2.26	0.63	T	*	*
48	353.0	1.49	2.98	0.83	0.29	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C018	67 59.3N	165 46.6W	20 SEP	0445	+10	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	111.0	0.41	0.77	0.14	0.22	*	*
10	143.7	0.34	1.02	0.17	*	*	*
22	149.9	0.29	1.07	0.17	0.31	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C019	68 30.0N	168 22.0W	21 SEP	1915	+10	52

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	121.2	0.39	0.92	0.15	0.29	*	*
13	299.7	0.62	2.21	0.33	0.61	*	*
22	256.4	0.67	2.42	0.40	0.63	*	*
32	292.5	0.82	2.70	0.55	0.59	*	*
49	336.9	1.13	2.81	0.68	0.49	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C020	68 30.0N	167 0.0W	20 SEP	0935	+10	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	96.7	0.27	0.66	0.14	0.20	*	*
11	100.3	0.68	1.65	0.36	0.25	*	*
19	164.1	0.34	1.00	0.18	T	*	*
28	304.3	0.51	1.71	0.28	0.38	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C021	69 0.3N	168 29.3W	21 SEP	1605	+10	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	109.0	0.39	0.84	0.15	0.33	*	*
9	176.4	0.49	1.47	0.28	0.47	*	*
18	208.3	0.60	1.69	0.36	0.47	*	*
26	260.5	0.54	1.89	0.41	0.54	*	*
43	377.6	1.08	3.36	2.31	*	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C022	68 59.2N	166 59.7W	20 SEP	1230	+10	46

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	106.2	0.34	0.68	0.12	T	*	*
11	105.6	0.27	0.62	0.11	T	*	*
20	203.6	0.41	1.36	0.24	0.35	*	*
43	426.4	1.05	3.10	0.48	0.43	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C023	69 0.9N	165 37.0W	20 SEP	1515	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	119.4	0.70	1.33	0.22	0.39	*	*
11	120.7	0.62	0.89	0.26	0.22	*	*
17	208.3	1.12	2.34	0.41	0.48	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C024	69 30.0N	168 21.9W	21 SEP	1300	+10	51

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	115.1	0.47	1.19	0.26	0.45	*	*
12	117.4	0.43	1.14	0.28	0.43	*	*
41	382.2	1.30	2.70	0.65	0.27	*	*
46	362.8	1.20	2.65	0.64	0.28	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C025	69 30.0N	167 4.1W	20 SEP	1815	+10	46

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	93.7	0.46	0.68	0.16	*	*	*
12	235.8	0.91	2.21	0.35	0.41	*	*
21	344.4	1.18	3.20	0.49	0.64	*	*
43	468.9	1.74	3.75	0.59	0.39	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C026	69 30.1N	165 32.0W	20 SEP	2100	+10	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	101.6	0.75	1.21	0.14	0.17	*	*
11	100.4	0.35	0.71	0.16	0.09	*	*
20	229.5	0.82	2.93	0.51	0.73	*	*
29	369.3	1.14	3.36	0.55	0.77	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C027	69 29.5N	164 11.2W	20 SEP	2325	+10	22

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	141.5	0.76	1.13	0.16	0.27	*	*
12	136.1	0.66	1.02	0.16	0.29	*	*
19	145.3	0.49	0.97	0.18	0.32	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C028	70 0.7N	166 19.4W	21 SEP	1050	+10	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	96.4	0.47	1.08	0.18	0.33	*	*
12	95.7	0.45	1.06	0.18	0.33	*	*
21	301.7	1.57	4.38	0.90	0.43	*	*
31	321.6	1.32	3.18	0.70	0.26	*	*
41	321.9	1.32	3.16	0.70	0.25	*	*

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
CHUKCHI SEA

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C029	70 0.0N	167 1.2W	21 SEP	0750	+10	47

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	113.6	0.43	0.90	0.14	0.28	*	*
12	113.8	0.36	0.85	0.14	0.18	*	*
21	419.4	1.00	3.22	0.60	0.52	*	*
32	421.6	1.06	3.31	0.59	0.48	*	*
44	435.3	1.04	3.30	0.59	0.50	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C030	69 58.5N	165 33.4W	21 SEP	0500	+10	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	87.0	0.23	0.58	0.11	T	*	*
12	90.3	0.25	0.59	0.12	T	*	*
21	357.1	1.05	2.86	0.55	0.64	*	*
36	386.2	1.22	3.15	0.55	0.58	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
C031	69 58.5N	164 0.4W	21 SEP	0145	+10	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	112.1	0.37	0.79	0.18	0.22	*	*
12	112.5	0.47	0.91	0.17	T	*	*
21	321.3	1.13	3.33	0.43	0.56	*	*
27	318.6	1.16	3.36	0.45	0.56	*	*

APPENDIX H

Butane Data

H.1	ACONA 245-77	28 Jun. - 16 Jul. 1978
H.2	RP-4-DI-78B-II	28 Aug. - 06 Sep. 1978
H.3	RP-4-DI-79A-II	07 May - 20 May 1979
H.4	RP-4-DI-76B-IV	08 Sep. - 24 Sep. 1976

CRUISE NUMBER
ACONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM001	60 33.7N	151 30.4W	02 JUL	0600	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	319.4	0.38	0.67	0.18	T	T	T
10	332.4	0.40	0.78	0.18	0.26	T	T
20	336.5	0.41	0.91	0.20	0.37	T	T
23	339.6	0.43	1.02	0.17	0.45	T	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM002	60 34.2N	151 37.0W	02 JUL	0415	+ 9	67

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	428.2	1.58	*	*	*	T	T
10	419.1	1.41	0.81	0.75	0.21	T	T
19	408.8	1.33	0.79	0.69	0.18	T	T
59	409.9	1.28	0.83	0.67	0.24	T	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM003	60 43.1N	151 36.0W	02 JUL	0100	+ 9	109

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	785.7	7.69	0.46	4.45	T	0.91	1.10
11	824.0	9.39	0.44	5.60	T	1.07	0.97
20	654.1	4.83	0.23	2.61	T	0.56	0.52
97	683.1	3.93	0.30	1.98	T	0.48	0.46

CRUISE NUMBER
ACONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03A	60 50.6N	151 18.1W	01 JUL	2030	+ 9	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
10	637.4	2.91	0.41	1.60	T	0.47	0.47
19	668.2	3.09	0.41	1.68	T	0.45	0.52

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03B	60 58.5N	151 7.8W	01 JUL	2100	+ 9	32

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	628.9	2.21	0.59	0.85	0.15	0.25	T
10	622.6	1.81	0.49	0.87	T	0.23	T
26	665.3	2.46	0.47	1.26	T	0.34	0.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03C	60 55.6N	151 22.1W	01 JUL	1945	+ 9	44

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
10	642.8	5.51	0.58	3.03	T	0.64	0.77
20	659.2	5.94	0.70	3.07	0.22	0.65	0.65
40	685.7	6.25	0.65	3.13	0.24	0.72	0.69

CRUISE NUMBER
ACONA 245-77

LOCATION
COOK INLET

INCLUSIVE DATES
28 JUN-16 JUL 1977

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03D	60 50.3N	151 33.6W	01 JUL	2330	+ 9	69

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	729.4	5.18	0.45	2.79	T	0.64	0.65
10	675.2	5.69	0.45	3.01	T	0.68	0.62
65	667.7	5.71	0.50	3.19	T	0.78	0.83

CRUISE NUMBER
RP-4-DI-78B-II

LOCATION
COOK INLET

INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC001	61 8.4N	150 47.3W	31 AUG	1350	+ 9	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	352.2	0.43	0.50	0.17	0.18	0.07	0.06
23	351.4	0.45	0.42	0.19	0.16	0.07	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC002	61 0.3N	151 5.4W	31 AUG	1530	+ 9	40

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
5	442.4	1.94	0.36	1.09	0.12	0.28	0.37
30	465.4	2.93	0.43	1.84	0.11	0.48	0.90

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC003	61 1.8N	150 56.7W	31 AUG	1610	+ 9	41

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	349.6	0.89	0.26	0.41	T	T	T
30	364.1	1.07	0.29	0.49	0.06	0.15	0.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC005	60 55.0N	151 26.4W	01 SEP	1225	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	412.1	2.09	0.40	1.28	T	*	*
30	483.9	2.22	0.44	1.30	0.11	*	0.33

CRUISE NUMBER
RP-4-DI-78B-11

LOCATION
COOK INLET

INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC006	60 55.6N	151 4.5W	31 AUG	1710	+ 9	29

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	482.4	1.95	0.37	1.02	T	0.23	0.29
20	481.8	2.01	0.51	1.08	0.12	0.60	0.36

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC008	60 46.4N	151 23.0W	01 SEP	1500	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	329.4	0.81	0.71	0.41	0.14	T	T
10	338.1	0.94	1.23	0.43	0.25	0.14	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC009	60 48.2N	151 40.0W	01 SEP	1410	+ 9	50

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	659.3	5.21	0.52	3.60	0.06	T	T
30	692.0	5.47	0.51	4.45	0.11	0.52	1.10

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC09A	60 52.1N	151 30.5W	01 SEP	1315	+ 9	55

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	523.7	3.18	0.48	2.04	T	T	T
30	535.7	3.12	0.47	0.81	0.09	0.43	0.64

CRUISE NUMBER
RP-4-DI-788-II

LOCATION
COOK INLET

INCLUSIVE DATES
28 AUG-06 SEP 1978

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC010	60 41.3N	151 40.8W	01 SEP	1715	+ 9	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
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3	469.1	1.96	0.88	1.17	0.24	0.23	0.36
10	457.1	1.64	1.00	1.00	0.25	0.21	0.31

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC001	60 57.2N	151 8.5W	14 MAY	1530	+ 9	42

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	1583.6	0.23	0.52	T	T	T	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC002	60 56.8N	151 18.3W	14 MAY	1630	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	529.8	0.46	0.22	0.12	T	T	*
15	1509.0	1.16	0.55	0.50	0.12	0.12	0.23

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC003	60 56.7N	151 26.9W	14 MAY	1730	+ 9	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
7	2637.0	10.79	0.25	4.76	0.07	0.99	1.23
20	2642.4	11.52	0.22	4.84	T	1.03	1.18

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC004	60 53.1N	151 35.5W	17 MAY	1525	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	4085.9	19.37	0.27	8.58	T	0.99	1.22
13	4051.6	21.34	0.27	9.94	T	1.21	1.63

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC005	60 53.8N	151 29.2W	17 MAY	1445	+ 9	61

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	1996.2	2.32	*	0.74	T	0.30	0.17
38	2016.4	2.73	0.24	0.98	T	0.36	0.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC008	60 48.3N	151 32.1W	14 MAY	1330	+ 9	25

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	2004.5	1.71	0.94	*	T	*	*
20	1989.4	1.66	0.28	0.48	T	0.17	0.22

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC009	60 47.4N	151 35.4W	17 MAY	1330	+ 9	78

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	2396.4	5.28	1.66	2.14	*	0.70	0.45
45	2560.4	4.87	*	2.05	T	0.50	0.41

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC010	60 50.3N	151 39.5W	17 MAY	1555	+ 9	15

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
9	2328.7	4.02	*	1.05	T	0.33	*

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC10A	60 48.8N	151 43.3W	17 MAY	1620	+ 9	7

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	2290.9	5.15	0.27	1.77	T	0.59	0.37

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC011	60 48.0N	151 42.7W	17 MAY	1725	+ 9	13

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	2481.6	19.00	*	11.18	T	1.83	2.83

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC11A	60 47.3N	151 43.0W	17 MAY	1755	+ 9	8

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	2378.5	15.34	0.64	8.58	*	1.60	2.55

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC012	60 45.8N	151 40.3W	14 MAY	1900	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
5	2555.8	5.00	0.24	1.66	0.05	0.53	0.42
20	2932.4	3.35	0.33	1.06	0.07	0.37	0.37

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC12A	60 45.5N	151 40.4W	17 MAY	1655	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	2552.2	16.99	*	9.27	T	1.67	2.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC013	60 42.4N	151 39.6W	17 MAY	1840	+ 9	17

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
7	2227.6	5.26	0.14	2.09	T	0.58	0.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC014	60 42.3N	151 32.8W	17 MAY	1920	+ 9	28

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
3	1976.1	2.75	0.37	1.05	T	0.28	0.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC015	60 32.0N	151 30.3W	15 MAY	1345	+ 9	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
15	689.3	0.31	0.43	0.07	0.17	0.10	T

CRUISE NUMBER
RP-4-DI-79A-II

LOCATION
COOK INLET

INCLUSIVE DATES
07 MAY-20 MAY 1979

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC016	60 32.6N	151 40.8W	15 MAY	1435	+ 9	45

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	2809.6	4.16	0.37	1.95	0.10	0.41	0.54
44	2872.9	3.80	0.31	1.64	0.10	0.42	0.57

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UC017	60 36.3N	151 45.5W	15 MAY	1530	+ 9	21

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
2	2845.2	3.65	0.39	1.57	0.16	0.38	0.52
10	3063.4	3.86	0.40	1.61	0.12	0.55	0.52

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N12C	64 28.6N	166 1.0W	14 SEP	0830	+10	30

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
21	504.2	3.44	2.31	1.16	0.56	0.27	0.24
26	433.6	3.10	2.16	1.02	0.53	0.19	0.23

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N1018	64 20.2N	165 30.9W	10 SEP	2135	+10	23

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
1	168.7	0.63	1.11	0.11	0.35	T	T
10	645.9	4.25	2.75	1.25	0.54	0.23	0.24
19	433.8	3.41	2.78	1.02	0.52	*	0.12

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N2018	64 20.2N	165 30.0W	12 SEP	2240	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
16	582.3	4.58	2.44	1.27	0.55	0.30	0.25
21	596.5	4.42	1.99	1.33	0.50	0.28	0.22

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018A	64 19.9N	165 17.4W	12 SEP	2335	+10	26

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
18	713.9	4.07	3.02	1.26	0.52	0.32	0.33
23	715.5	3.97	2.90	1.23	0.46	0.26	0.25

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018B	64 25.1N	165 28.5W	13 SEP	0020	+10	27

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
15	634.3	1.96	2.38	0.66	0.53	0.15	0.19
23	672.9	2.38	3.02	0.79	0.52	0.10	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018C	64 20.3N	165 42.2W	13 SEP	0115	+10	24

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
17	337.1	4.51	1.42	1.55	0.55	0.34	0.34
21	352.5	4.71	1.36	1.62	0.52	0.32	0.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018D	64 15.2N	165 30.9W	13 SEP	0225	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	246.0	2.49	1.23	0.95	0.44	0.21	0.25
18	218.5	2.02	1.36	0.78	0.51	0.13	0.23

CRUISE NUMBER
RP-4-DI-768-IV

LOCATION
NGRTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018E	64 22.0N	165 1.2W	13 SEP	0410	+10	33

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
25	445.5	1.72	2.46	0.54	0.52	T	0.14
30	498.4	1.91	2.46	0.65	0.53	T	0.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N18F1	64 8.0N	165 30.5W	13 SEP	0605	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
0	155.9	0.33	1.09	0.18	0.36	T	T
11	363.4	5.69	1.25	1.92	0.36	0.29	0.37
17	459.2	8.34	1.28	2.86	0.37	0.43	0.51

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N18F2	64 8.0N	165 30.5W	23 SEP	0045	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	319.2	3.57	1.20	1.16	0.46	0.25	0.25
17	340.9	4.20	1.27	1.45	0.46	0.31	0.35

CRUISE NUMBER
RP-4-DI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018G	64 13.1N	165 29.3W	23 SEP	0135	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	386.8	5.31	1.14	1.83	0.44	0.40	0.36
18	390.5	5.37	1.16	1.85	0.45	0.43	0.38

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018H	64 7.5N	165 41.7W	23 SEP	0230	+10	20

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
13	139.6	0.51	1.30	0.15	0.54	T	T
19	147.0	0.46	1.31	0.16	0.44	T	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018I	64 2.8N	165 30.2W	23 SEP	0320	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	174.4	0.41	1.12	0.16	0.38	*	*
18	176.7	0.42	1.19	0.19	0.61	T	T

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018J	64 7.5N	165 18.7W	23 SEP	0415	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	258.2	1.72	1.20	0.47	0.25	0.09	0.14
17	267.2	1.86	1.24	0.49	0.30	0.13	T

CRUISE NUMBER
RP-4-LI-76B-IV

LOCATION
NORTON SOUND

INCLUSIVE DATES
08 SEP-24 SEP 1976

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N018K	64 13.3N	165 21.3W	23 SEP	0520	+10	18

DEPTH	METHANE	ETHANE	ETHENE	PROPANE	PROPENE	ISO-BUTANE	N-BUTANE
12	232.4	2.28	1.14	0.77	0.36	T	T
17	230.4	2.32	1.33	0.76	0.41	0.16	0.20