SECTION B

CONCENTRATIONS OF AROMATIC COMPOUNDS (ACs) IN EDIBLE TISSUE OF FISH

Explanatory notes for Tables B-1 through B-30

Results on sample extracts were determined by gas chromatography/mass spectrometry (GC/MS) using sequenced selected ion monitoring.

A hyphen (-) indicates that the analyte was not detected above the limit of detection which ranged from 0.02 to 1 ng/g (ppb) wet weight.

Low levels of naphthalene found were often indistinguishable from those in method blanks and were not reported. They are designated by “a.”

Some samples were analyzed in replicate as part of the quality assurance (QA) plan—all of the data are included in the tables. Adjacent data columns with an “R” after the Lab no. are replicate analyses of a sample.

Table B-1. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in edible tissue of fish from Angoon.

ACs	Species :	Chinook salmon	Coho salmon			Pink salmon		Pacific cod	Halibut
	Site :	AGN3	AGN3	AGN3	AGN3	AGN3	AGN3	AGN3	AGN3
	Date collected :	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	321	230	319	323	229	320	322	228
naphthalene		a	a	a	a	a	a	a	a
C1-naphthalenes		2	1	2	1	1	0.9	0.2	0.2
C2-naphthalenes		0.8	0.2	0.7	0.2	0.09	-	-	-
C3-naphthalenes		0.08	-	0.1	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-
fluorene		0.3	-	0.1	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-
phenanthrene		2	1	1	1	1	1	0.4	0.2
C1-phenanthrenes		-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-
Sum of LACs		**5**	**2**	**4**	**2**	**2**	**2**	**0.6**	**0.4**
fluoranthene		0.1	-	-	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-
Sum of HACs		**0.1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.17	5.09	5.54	4.85	5.58	5.37	5.00	4.97

Table B-2. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Yakutat.

ACs	Species :	Sockeye salmon							Halibut	Halibut				
	Site :	YAK6	YAK6	YAK6	YAK6	YAK6	YAK6	YAK6	YAK7	YAK8	YAK8	YAK8	YAK8	YAK8
	Date collected :	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	3063R	3070R	3081	3082	3083	3084	3085	3069	3064	3065	3066	3067	3068
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-naphthalenes		6	1	-	-	-	-	-	-	3	2	2	2	-
C4-naphthalenes		4	0.5	-	-	-	-	-	0.9	2	-	0.6	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		0.6	-	-	-	0.5	0.5	0.4	-	0.4	-	-	-	-
C1-fluorene		1	0.6	-	-	-	-	-	-	0.7	-	-	-	-
C2-fluorene		1	-	-	-	-	-	-	-	0.8	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		2	0.7	0.7	0.7	0.8	0.8	0.6	0.5	1	0.8	0.7	-	0.4
C1-phenanthrenes		1	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.7	0.6	0.5	-	-
C2-phenanthrenes		0.9	-	-	-	-	-	-	-	0.7	0.6	0.6	-	-
C3-phenanthrenes		0.6	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		0.4	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		0.7	-	-	-	-	-	-	-	0.4	-	-	-	-
C2-dibenzothiophenes		0.8	0.5	-	-	-	-	-	-	0.6	0.4	-	-	-
C3-dibenzothiophenes		0.7	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**20**	**4**	**1**	**1**	**2**	**2**	**1**	**2**	**10**	**4**	**4**	**2**	**0.4**
fluoranthene		0.7	-	0.4	-	-	0.4	-	-	0.4	0.4	0.4	-	-
pyrene		0.6	-	-	-	-	-	-	-	0.4	0.4	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**1**	**-**	**0.4**	**-**	**-**	**0.4**	**-**	**-**	**0.8**	**0.8**	**0.4**	**-**	**-**
sample weight, grams :		5.05	5.06	5.04	5.08	5.01	4.99	5.01	5.09	5.00	5.00	4.99	5.00	5.01

Table B-3. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Tatitlek.

ACs	Species :	Pink salmon	Pink salmon					Rockfish	Pacific cod					Rockfish		
	Site :	TAT2	TAT3	TAT3	TAT3	TAT3	TAT3	TAT3	TAT4	TAT4	TAT4	TAT4	TAT4	TAT4	TAT4	TAT4
	Date collected :	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Jul-89	Jul-89	Mar-90	Mar-90	Mar-90	Jun-90	Jul-89	Jun-90	Jun-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	ADFG	ADFG	ADFG	ADFG	D&M	ADFG	ADFG
	Lab no. :	1	134R	139R	135	136	153	701	22	2396	2397	2398	2412	702	2413	2414
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	0.4	-	-	-	-	-	0.3	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.05	-	-	-	-	-	0.7	-	-	-	-	-	0.3	1	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.1**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**0.6**	**2**	**-**
fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**
sample weight, grams :		3.83	5.25	5.12	5.40	5.20	4.47	5.27	3.65	4.93	4.79	4.77	5.00	5.19	5.04	5.09

Table B-4. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Tatitlek.

ACs	Species :	Halibut	Halibut	Coho salmon							Herring roe on seaweed				Smoked salmon	
	Site :	TAT4	TAT6	TAT7	TAT7	TAT7	TAT7	TAT7	TAT7	TAT7	TAT8	TAT8	TAT8	TAT8	TAT	TAT
	Date collected :	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Apr-90	Apr-90	Apr-90	Apr-90	Oct-89	Oct-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	ADFG	ADFG	ADFG	ADFG	D&M	D&M
	Lab no. :	27	132	362	363	364	448	449	450	451	1037	1038R	1040R	1039	526R	527R
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	1,200	1,200
C1-naphthalenes		-	-	2	2	2	0.3	0.7	0.2	0.2	-	-	-	-	800	950
C2-naphthalenes		-	-	2	2	3	-	0.2	-	2	0.2	0.6	0.9	0.5	930	1,500
C3-naphthalenes		-	-	2	1	2	-	0.2	-	-	-	-	-	-	770	1,400
C4-naphthalenes		-	-	-	-	0.1	-	-	0.2	-	-	-	-	-	650	1,200
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	3,000	3,400
acenaphthene		-	-	1	0.9	1	-	-	-	-	-	-	-	-	280	280
fluorene		-	-	1	1	2	-	0.2	-	-	-	-	-	-	1,800	2,100
C1-fluorene		-	-	0.3	0.3	0.4	-	-	-	-	-	-	-	-	940	1,000
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	1,700	1,400
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	260	130
phenanthrene		-	-	4	5	6	2	3	2	1	-	-	-	3	5,100	4,600
C1-phenanthrenes		-	-	0.2	0.4	0.6	-	-	-	-	-	-	-	2	1,800	1,400
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	710	430
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	220	110
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	4	1
dibenzothiophene		-	-	1	2	2	0.4	1	0.3	-	-	-	-	-	44	39
C1-dibenzothiophenes		-	-	0.1	0.09	0.2	-	-	-	-	-	-	-	-	23	26
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	10	11
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	4	3
Sum of LACs		**-**	**-**	**14**	**15**	**19**	**3**	**5**	**3**	**3**	**0.2**	**0.6**	**0.9**	**6**	**20,000**	**20,000**
fluoranthene		-	-	1	1	2	0.1	0.2	-	-	-	-	-	22	1,400	820
pyrene		-	-	0.1	-	0.3	-	-	-	-	-	-	-	16	1,000	590
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	3	440	250
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	0.6	45	32
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	4	41	29
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	0.2	7	5
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.7
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.3
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	1	16	12
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	1	21	16
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	0.6	20	17
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	9	8
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	8	7
Sum of HACs		**-**	**-**	**1**	**1**	**2**	**0.1**	**0.2**	**-**	**-**	**-**	**-**	**-**	**48**	**3,000**	**1,800**
sample weight, grams :		3.85	4.99	4.74	5.28	5.25	4.90	5.22	5.07	5.11	5.01	4.95	5.01	4.99	2.09	2.19

Table B-5. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chenega Bay.

ACs	Species :	Pacific cod									Rockfish			Halibut		
	Site :	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2	CHE2
	Date collected :	Jul-89	Aug-89	Aug-89	Aug-89	Jun-90	Jun-90	Jun-90	Jun-90	Jun-90	Jul-89	Aug-89	Aug-89	Jul-89	Aug-89	Aug-89
	Collector :	D&M	D&M	D&M	D&M	ADFG	ADFG	ADFG	ADFG	ADFG	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	23	149	151	487	2405	2406	2407	2408	2409	42	150	157	28	130	131
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	1	0.6	0.5	0.8	-	-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		-	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**-**	**-**	**0.3**	**1**	**0.6**	**0.5**	**0.8**	**2**	**-**	**-**	**-**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		3.82	4.50	4.62	5.39	5.06	5.05	4.98	5.00	4.97	4.68	4.56	4.70	4.14	5.08	5.02

Table B-6. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chenega Bay.

ACs	Species :	Halibut	Pink salmon								Pink salmon					
	Site :	CHE2	CHE3	CHE3	CHE3	CHE3	CHE3	CHE3	CHE3	CHE3	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4
	Date collected :	Aug-89	Aug-89	Aug-89	Aug-89	Jul-90	Jul-90	Jul-90	Jul-90	Jul-90	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	485	137	138	152	1763	1764R	1769R	1765R	1770R	452	453R	456R	454	455	465
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	0.4	3	-	-	-	1	-	-	-	0.1	0.2	0.2	-	-
C2-naphthalenes		-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
C3-naphthalenes		-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	0.06	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.5	0.5	5	-	0.5	1	1	0.4	0.4	0.3	2	2	0.9	0.2	-
C1-phenanthrenes		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.5**	**0.9**	**20**	**-**	**0.5**	**1**	**2**	**0.4**	**0.4**	**0.3**	**2**	**2**	**1**	**0.2**	**-**
fluoranthene		-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**0.2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.36	5.07	5.38	4.47	5.03	5.03	5.01	5.10	5.02	5.01	5.42	5.44	5.08	4.93	5.29

Table B-7. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chenega Bay.

ACs	Species :	Pink salmon												Rockfish	Halibut	
	Site :	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE4	CHE5	CHE5	CHE5
	Date collected :	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Mar-90	Oct-90	Oct-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	ADFG	ADFG
	Lab no. :	466	467	468	469	470	471	472	473	474	483	484	593	1106	2360	2361
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	0.3	-	0.8	0.6
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.4	-	-	-	-	0.6	-	3	1	0.3	0.8	0.4	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.4**	**-**	**-**	**-**	**-**	**0.6**	**-**	**3**	**1**	**0.3**	**0.8**	**0.7**	**-**	**6**	**0.6**
fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.08	5.01	5.04	5.52	5.67	5.68	5.03	5.48	5.16	5.13	5.42	5.17	5.09	4.97	5.01

Table B-8. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chenega Bay.

ACs	Species :	Greenling	Pacific cod	Ling cod	Rockfish	Ling cod	Yellowfin sole
	Site :	CHE6	CHE8	CHE13	CHE14	CHE15	CHE16
	Date collected :	Mar-90	Apr-90	Jul-90	Jul-90	Jul-90	Jul-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	1107	1479	2451	2452	2438	2425
naphthalene		a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-
C3-naphthalenes		-	-	0.6	1	1	-
C4-naphthalenes		-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-
fluorene		-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-
phenanthrene		-	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-
Sum of LACs		**-**	**-**	**0.6**	**1**	**1**	**-**
fluoranthene		-	-	-	-	-	-
pyrene		-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-
chrysene		-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.08	5.15	5.01	5.00	5.00	4.98

Table B-9. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Port Graham/English Bay.

ACs	Species :	Irish Lord		Halibut	Chum salmon	Coho salmon		Pink salmon							
	Site :	PTG2	PTG2	PTG2	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3	PTG3
	Date collected :	Jul-89	Jul-89	Jul-89	Jul-90	Jul-89	Sep-89	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Jul-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	709	710	39	2423	93	538	2	133	148	154	155	156	537	1767
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		0.2	0.2	-	2	0.5	-	-	-	-	-	-	-	-	-
C2-naphthalenes		-	-	-	2	-	-	-	-	-	-	-	-	-	-
C3-naphthalenes		-	-	-	1	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.4	0.2	-	1	0.7	-	-	1	-	-	-	-	-	-
C1-phenanthrenes		-	-	-	0.5	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.6**	**0.4**	**-**	**6**	**1**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
pyrene		-	-	-	0.7	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**0.7**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.33	5.23	4.61	4.97	4.99	5.16	3.20	5.04	4.53	4.41	4.46	4.87	5.40	5.02

Table B-10. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Port Graham/English Bay.

ACs	Species :	Pink salmon	Pacific cod	Rock sole		Halibut	Greenling			Rock sole	Pink salmon		
	Site :	PTG3	PTG3	PTG3	PTG3	PTG5	PTG6	PTG6	PTG6	PTG6	PTG7	PTG7	PTG7
	Date collected :	Jul-90	Mar-90	Mar-90	Mar-90	Sep-89	Mar-90	Mar-90	Mar-90	Sep-90	Aug-89	Sep-90	Sep-90
	Collector :	D&M	ADFG	ADFG	ADFG	D&M	D&M	D&M	D&M	ADFG	ADFG	ADFG	ADFG
	Lab no. :	1768	2393	2394R	2399R	486	1099	1100	1101	2380	2377	2378	2379
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.9	-	-	-	0.2	-	-	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.9**	**-**	**-**	**-**	**0.2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
fluoranthene		0.7	-	-	-	-	-	-	-	-	-	-	-
pyrene		0.6	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.09	4.97	4.75	4.92	5.54	5.04	5.03	5.20	4.97	5.07	5.06	5.06

Table B-11. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Port Graham/English Bay.

ACs	Species :	Rock sole				Greenling
	Site :	PTG7	PTG7	PTG7	PTG7	PTG11
	Date collected :	Mar-90	Mar-90	Mar-90	Mar-90	Jul-90
	Collector :	D&M	D&M	D&M	D&M	D&M
	Lab no. :	1102	1103	1104	1105	2444
naphthalene		a	a	a	a	a
C1-naphthalenes		-	-	-	-	-
C2-naphthalenes		-	-	-	-	-
C3-naphthalenes		-	-	-	-	0.9
C4-naphthalenes		-	-	-	-	-
acenaphthylene		-	-	-	-	-
acenaphthene		-	-	-	-	-
fluorene		-	-	-	-	-
C1-fluorene		-	-	-	-	-
C2-fluorene		-	-	-	-	-
C3-fluorene		-	-	-	-	-
phenanthrene		-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-
dibenzothiophene		-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-
Sum of LACs		**-**	**-**	**-**	**-**	**0.9**
fluoranthene		-	-	-	-	-
pyrene		-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-
benz[a]anthracene		-	-	-	-	-
chrysene		-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**
sample weight, grams :		4.99	5.17	5.15	5.13	5.05

Table B-12. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Windy Bay.

ACs	Species :	Pink salmon			
	Site :	WNB5	WNB5	WNB5	WNB5
	Date collected :	Jul-90	Jul-90	Jul-90	Jul-90
	Collector :	D&M	D&M	D&M	D&M
	Lab no. :	1766R	1771R	2453R	2459R
naphthalene		a	a	a	a
C1-naphthalenes		-	-	-	-
C2-naphthalenes		-	-	-	-
C3-naphthalenes		-	-	0.5	0.8
C4-naphthalenes		-	-	-	-
acenaphthylene		-	-	-	-
acenaphthene		-	-	-	-
fluorene		-	-	-	-
C1-fluorene		-	-	-	-
C2-fluorene		-	-	-	-
C3-fluorene		-	-	-	-
phenanthrene		-	-	-	-
C1-phenanthrenes		-	-	0.5	-
C2-phenanthrenes		-	-	-	-
C3-phenanthrenes		-	-	-	-
C4-phenanthrenes		-	-	-	-
dibenzothiophene		-	-	-	-
C1-dibenzothiophenes		-	-	-	-
C2-dibenzothiophenes		-	-	-	-
C3-dibenzothiophenes		-	-	-	-
Sum of LACs		**-**	**-**	**1**	**0.8**
fluoranthene		-	-	-	-
pyrene		-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-
benz[a]anthracene		-	-	-	-
chrysene		-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-
benzo[b]fluoranthene		-	-	-	-
benzo[k]fluoranthene		-	-	-	-
benzo[a]pyrene		-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-
dibenz[a,h]anthracene		-	-	-	-
benzo[ghi]perylene		-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**
sample weight, grams :		5.04	5.01	5.04	5.05

Table B-13. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Kodiak.

ACs	Species :	Rockfish	Halibut	Pink salmon												
	Site :	KOD1	KOD2	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5
	Date collected :	Jul-89	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Sep-89	Sep-89	Sep-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	24	4	166R	195R	187	188	189	628R	637R	629	630	488R	489R	490R	492R
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	7	5	3	2	0.6	4	0.9	0.2	1	-	-	-	-
C2-naphthalenes		-	-	14	10	6	1	-	8	0.7	-	0.9	-	-	-	-
C3-naphthalenes		-	-	9	6	6	1	0.5	8	0.5	-	0.7	-	-	-	-
C4-naphthalenes		-	-	0.1	0.1	0.2	-	-	0.3	-	-	-	-	-	-	-
acenaphthylene		-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	14	9	6	4	0.2	9	3	-	5	-	-	-	-
fluorene		-	-	15	10	7	3	1	12	3	-	5	-	-	-	-
C1-fluorene		-	-	3	2	2	0.3	0.3	4	0.5	-	0.5	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
phenanthrene		-	-	37	24	18	10	3	30	12	4	17	0.7	0.5	1	0.7
C1-phenanthrenes		-	-	3	1	2	0.2	-	3	0.4	-	0.3	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	5	4	3	1	0.5	5	1	0.2	2	-	-	-	-
C1-dibenzothiophenes		-	-	1	0.6	1	-	-	1	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**-**	**110**	**72**	**54**	**22**	**6**	**84**	**22**	**4**	**32**	**0.7**	**0.5**	**1**	**1**
fluoranthene		-	-	12	8	5	2	0.2	10	3	0.2	5	-	-	-	-
pyrene		-	-	0.3	-	-	-	-	0.1	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**12**	**8**	**5**	**2**	**0.2**	**10**	**3**	**0.2**	**5**	**-**	**-**	**-**	**-**
sample weight, grams :		4.01	3.22	5.10	5.25	5.00	5.11	5.40	5.03	5.07	5.17	5.36	5.38	5.33	5.35	5.40

Table B-14. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples form Kodiak.

ACs	Species :	Pink salmon					Sockeye salmon	Dolly Varden	Halibut	
	Site :	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD5	KOD6	KOD6
	Date collected :	Sep-89	Sep-89	Aug-90	Aug-90	Aug-90	Aug-89	Jul-89	Aug-89	Sep-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	539R	540R	1812	1813	1814	194	94	193	508
naphthalene		a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	9	0.9	0.4	0.1	0.3
C2-naphthalenes		-	-	1	3	17	0.9	0.07	-	-
C3-naphthalenes		-	-	1	0.8	17	1	-	-	-
C4-naphthalenes		-	-	-	-	4	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-
acenaphthene		-	-	0.6	-	0.8	0.8	-	-	-
fluorene		-	-	1	0.5	2	2	-	-	-
C1-fluorene		-	-	-	1	3	0.4	-	-	-
C2-fluorene		-	-	-	-	2	-	-	-	-
C3-fluorene		-	-	-	-	3	-	-	-	-
phenanthrene		0.9	3	-	4	7	4	0.7	0.2	0.6
C1-phenanthrenes		-	-	-	2	4	0.1	-	-	-
C2-phenanthrenes		-	-	-	-	3	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	0.4	0.8	3	1	-	-	-
C1-dibenzothiophenes		-	-	0.3	0.6	3	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	2	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	0.2	-	-	-	-
Sum of LACs		**0.9**	**3**	**4**	**13**	**80**	**11**	**1**	**0.3**	**0.9**
fluoranthene		-	-	0.6	1	2	0.5	-	-	-
pyrene		-	-	0.2	0.3	0.4	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**0.8**	**1**	**2**	**0.5**	**-**	**-**	**-**
sample weight, grams :		5.04	5.34	5.08	4.92	5.01	5.44	5.28	5.26	5.38

Table B-15. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chiniak.

ACs	Species :	Rockfish	Chum salmon		Pink salmon							Sockeye salmon	Halibut		Chum salmon
	Site :	CHI4	CHI5	CHI5	CHI5	CHI5	CHI5	CHI5	CHI5	CHI5	CHI5	CHI5	CHI6	CHI6	CHI7
	Date collected :	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Sep-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	25	280	654	261R	288R	265	266	287	648	649	651	706	509	525
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	1	0.3	1	0.1	0.5	0.5	0.6	0.8	0.7	0.5	0.4	0.2	-
C2-naphthalenes		-	0.4	-	-	-	0.1	-	-	0.1	0.1	-	-	-	-
C3-naphthalenes		-	0.3	-	-	-	0.1	-	-	0.1	0.1	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	0.6	-	-	-	0.2	-	-	0.1	0.2	-	-	-	-
C1-fluorene		-	-	-	-	-	0.1	-	-	0.2	0.2	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	0.5	-
phenanthrene		-	2	0.5	0.6	0.3	2	0.6	1	2	2	0.7	0.4	0.6	0.4
C1-phenanthrenes		-	0.07	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	0.3	-	-	-	0.1	-	-	0.2	0.2	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**5**	**0.8**	**2**	**0.4**	**3**	**1**	**2**	**4**	**4**	**1**	**0.8**	**1**	**0.4**
fluoranthene		-	0.2	-	-	-	0.2	-	-	0.2	0.2	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**0.2**	**-**	**-**	**-**	**0.2**	**-**	**-**	**0.2**	**0.2**	**-**	**-**	**-**	**-**
sample weight, grams :		4.26	5.23	5.10	5.09	5.43	5.37	4.91	5.01	5.00	5.27	5.05	5.13	5.08	5.26

Table B-16. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Chiniak.

ACs	Species :			Pink salmon			
	Site :	CHI7	CHI7	CHI7	CHI7	CHI7	CHI7
	Date collected:	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	501	502	503	579	580	600
naphthalene		a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-
fluorene		-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-
phenanthrene		0.3	0.3	0.3	0.3	-	0.3
C1-phenanthrenes		-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-
Sum of LACs		**0.3**	**0.3**	**0.3**	**0.3**	**-**	**0.3**
fluoranthene		-	-	-	-	-	-
pyrene		-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-
chrysene		-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.38	5.23	5.31	5.17	5.11	5.36

Table B-17. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Old Harbor.

ACs	Species :	Pacific cod		Halibut			Chum salmon	Pink salmon								
	Site :	OHA1	OHA1	OHA1	OHA1	OHA1	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2
	Date collected:	Jul-89	Jun-90	Jul-89	Aug-89	Aug-89	Aug-90	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Sep-89	Sep-89
	Collector :	D&M	ADFG	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	26	2450	40	283	707	2424	11	262	269	270	279	650	541	544	545
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	0.3	0.3	0.9	-	0.5	1	0.4	0.3	1	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
C3-naphthalenes		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		-	-	-	0.9	0.5	0.8	-	0.6	1	1	0.8	3	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**1**	**-**	**1**	**0.8**	**2**	**-**	**1**	**2**	**1**	**1**	**4**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-	-	-	-	0.1	-	-	0.3	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**0.3**	**-**	**-**	**-**
sample weight, grams :		3.80	5.00	4.78	4.70	5.15	4.90	3.10	5.38	5.11	4.77	5.52	5.14	5.48	5.56	5.39

Table B-18. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Old Harbor.

ACs	Species :															
		Pink salmon														
	Site :	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2	OHA2
	Date collected:	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Aug-90	Aug-90	Aug-90	Aug-90	Aug-90	Aug-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	546	555	556	557	558	559	573	598	599	1762	1809	1815	2421	2422R	2429R
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	0.5	0.3	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		-	-	-	-	-	-	-	0.2	0.2	0.4	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.2**	**0.2**	**0.4**	**0.5**	**2**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-	-	-	-	-	-	0.6	0.6	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	0.4	0.3	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**0.9**	**-**	**-**	**-**
sample weight, grams :		5.11	5.34	5.11	5.31	5.30	5.23	5.39	5.36	5.08	4.98	5.03	5.07	4.94	4.92	4.96

Table B-19. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Old Harbor.

ACs	Species :	Dolly Varden	Pacific cod	Pink salmon		Smoked salmon	
	Site :	OHA2	OHA2	OHA5	OHA5	OHA	OHA
	Date collected :	Jul-89	Sep-89	Aug-90	Aug-90	Oct-89	Oct-89
	Collector :	D&M	D&M	ADFG	ADFG	D&M	D&M
	Lab no. :	703	524	2363	2364	241R	244R
naphthalene		a	a	a	a	450	510
C1-naphthalenes		0.7	-	-	0.5	320	400
C2-naphthalenes		-	-	0.8	-	410	530
C3-naphthalenes		-	-	-	-	510	610
C4-naphthalenes		-	-	-	-	380	370
acenaphthylene		-	-	-	-	580	640
acenaphthene		-	-	-	-	75	91
fluorene		-	-	-	-	410	450
C1-fluorene		-	-	-	-	340	380
C2-fluorene		-	-	-	-	740	780
C3-fluorene		-	-	-	-	210	190
phenanthrene		0.7	0.7	-	-	1,800	1,800
C1-phenanthrenes		-	-	-	-	560	610
C2-phenanthrenes		-	-	-	-	230	250
C3-phenanthrenes		-	-	-	-	87	94
C4-phenanthrenes		-	-	-	-	2	2
dibenzothiophene		-	-	-	-	14	14
C1-dibenzothiophenes		-	-	-	-	11	13
C2-dibenzothiophenes		-	-	-	-	6	10
C3-dibenzothiophenes		-	-	-	-	0.3	7
Sum of LACs		**1**	**0.7**	**0.8**	**0.5**	**7,100**	**7,800**
fluoranthene		-	-	-	-	280	310
pyrene		-	-	0.8	-	200	210
C1-fluoranthenes/pyrenes		-	-	-	-	97	100
benz[a]anthracene		-	-	-	-	13	14
chrysene		-	-	-	-	23	24
C1-chrysenes/benz[a]anthracenes		-	-	-	-	8	11
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	1
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	6	7
benzo[k]fluoranthene		-	-	-	-	6	6
benzo[a]pyrene		-	-	-	-	7	6
indeno[1,2,3-cd]pyrene		-	-	-	-	3	4
dibenz[a,h]anthracene		-	-	-	-	0.2	0.6
benzo[ghi]perylene		-	-	-	-	3	3
Sum of HACs		**-**	**-**	**0.8**	**-**	**650**	**700**
sample weight, grams :		5.29	5.06	4.99	4.98	4.83	5.23

Table B-20. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Akhiok.

ACs	Species :	Sockeye salmon	Coho salmon	Pink salmon		Starry flounder		Rock sole
	Site :	AKH1	AKH4	AKH4	AKH4	AKH4	AKH4	AKH6
	Date collected :	Jul-89	Sep-89	Aug-89	Aug-89	Jul-90	Jul-90	Aug-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	5	560	263	267	2439	2440	2441
naphthalene		a	a	a	a	a	a	a
C1-naphthalenes		-	-	1	0.2	-	-	-
C2-naphthalenes		-	-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	1	2	0.6
C4-naphthalenes		-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-
acenaphthene		-	-	0.2	-	-	-	-
fluorene		-	-	0.3	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-
phenanthrene		-	-	3	1	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-
Sum of LACs		**-**	**-**	**4**	**1**	**1**	**2**	**0.6**
fluoranthene		-	-	0.4	0.1	-	-	-
pyrene		-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**0.4**	**0.1**	**-**	**-**	**-**
sample weight, grams :		3.36	5.17	5.23	5.78	5.03	5.04	5.08

Table B-21. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Karluk.

ACs	Species :	Coho salmon		Pink salmon	Sockeye salmon				Dolly Varden					
	Site :	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1	KAR1
	Date collected :	Sep-89	Sep-89	Jul-89	Jul-89	Aug-89	Jul-90	Jul-90	Jul-89	May-90	May-90	May-90	May-90	May-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	561	562	7	20	268	1807	1808	95	1703	1704	1705	1706	1707
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	0.2	-	-	0.3	-	-	0.2	-	-	-	-	-
C2-naphthalenes		-	-	-	-	-	0.4	0.8	-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	-	0.5	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	0.2	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	0.2	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	0.2	-	-	-	-	-	-
fluorene		-	-	-	-	-	0.4	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		0.5	0.3	-	-	0.4	-	-	0.4	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.5**	**0.5**	**-**	**0.2**	**0.7**	**2**	**1**	**0.6**	**-**	**-**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-	0.7	0.2	-	-	-	-	-	-
pyrene		-	-	-	-	-	0.5	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**1**	**0.2**	**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.13	5.15	3.43	2.96	5.29	5.06	4.98	5.24	5.09	5.03	4.98	5.01	5.03

Table B-22. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Larsen Bay.

ACs	Species :	Halibut	Chum salmon	Pink salmon	Sockeye salmon					Pacific cod		Halibut		Pink salmon		
	Site :	LAB5	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB6	LAB7	LAB7	LAB7
	Date collected :	Jul-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Jul-89	Aug-89	Aug-89	Aug-89	Jul-89	Jul-89	Jul-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	41	655	281	264	282	286	652	653	704	285	284	708	10	29R	3R
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	0.3	0.4	2	0.6	0.7	2	0.9	0.2	0.1	0.1	0.2	-	-	-
C2-naphthalenes		-	-	-	0.7	0.1	-	0.5	-	-	-	-	-	-	-	-
C3-naphthalenes		-	-	-	0.1	-	-	0.06	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	1
fluorene		-	-	-	0.8	0.3	0.2	0.5	-	-	-	-	-	-	0.3	1
C1-fluorene		-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		-	1	2	2	2	1	2	2	0.3	0.2	0.2	0.5	1	12	11
C1-phenanthrenes		-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	0.7	0.4	0.1	0.6	0.2	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**-**	**1**	**2**	**6**	**3**	**2**	**6**	**3**	**0.5**	**0.3**	**0.3**	**0.7**	**1**	**12**	**13**
fluoranthene		-	-	-	0.2	-	-	0.1	-	-	-	-	-	-	0.2	0.7
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**0.2**	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**	**-**	**-**	**0.2**	**0.7**
sample weight, grams :		4.46	5.08	4.62	5.99	4.57	4.99	5.13	5.10	5.16	5.47	5.13	5.15	3.47	4.01	3.00

Table B-23. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Larsen Bay.

ACs	Species :	Pink salmon												Sockeye salmon
	Site :	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8	LAB8
	Date collected :	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Jul-90	Jul-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	504	505	506	507	543	581	582	594	595	596	597	2420	2427
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	0.2	0.2	-	-
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	0.09	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	0.5	-
phenanthrene		0.3	0.8	0.8	0.5	-	0.2	0.3	0.9	0.2	0.5	0.5	-	-
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.3**	**0.8**	**0.8**	**0.5**	**-**	**0.2**	**0.3**	**1**	**0.2**	**0.7**	**0.7**	**0.5**	**-**
fluoranthene		-	-	-	-	-	-	-	0.1	-	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		5.40	5.28	5.35	5.27	5.32	5.34	5.33	5.17	5.28	5.24	5.34	4.98	5.00

Table B-24. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Larsen Bay.

ACs	Species :	Halibut		Pacific cod	Pink salmon
	Site :	LAB8	LAB8	LAB12	LAB14
	Date collected :	Sep-89	Sep-89	Jun-90	Aug-90
	Collector :	D&M	D&M	ADFG	ADFG
	Lab no. :	520	521	2410	2362
naphthalene		a	a	a	a
C1-naphthalenes		0.2	0.2	0.7	0.5
C2-naphthalenes		-	-	-	-
C3-naphthalenes		-	-	-	-
C4-naphthalenes		-	-	-	-
acenaphthylene		-	-	-	-
acenaphthene		-	-	-	-
fluorene		-	-	-	-
C1-fluorene		-	-	-	-
C2-fluorene		-	-	-	-
C3-fluorene		-	-	-	-
phenanthrene		0.3	0.4	-	-
C1-phenanthrenes		-	-	-	-
C2-phenanthrenes		-	-	-	-
C3-phenanthrenes		-	-	-	-
C4-phenanthrenes		-	-	-	-
dibenzothiophene		-	-	-	-
C1-dibenzothiophenes		-	-	-	-
C2-dibenzothiophenes		-	-	-	-
C3-dibenzothiophenes		-	-	-	-
Sum of LACs		**0.5**	**0.6**	**0.7**	**0.5**
fluoranthene		-	-	-	-
pyrene		-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-
benz[a]anthracene		-	-	-	-
chrysene		-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-
benzo[b]fluoranthene		-	-	-	-
benzo[k]fluoranthene		-	-	-	-
benzo[a]pyrene		-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-
dibenz[a,h]anthracene		-	-	-	-
benzo[ghi]perylene		-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**
sample weight, grams :		5.23	5.42	4.98	5.02

Table B-25. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Port Lions.

ACs	Species :	Coho salmon						Pink salmon		Dolly Varden	Halibut	Halibut	Yellowfin sole
	Site :	PTL3	PTL3	PTL3	PTL3	PTL3	PTL3	PTL3	PTL3	PTL3	PTL3	PTL6	PTL6
	Date collected :	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Jul-89	Aug-89	Aug-90	Aug-89	Jul-89	Jul-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	ADFG	D&M	D&M	D&M
	Lab no. :	564	576	577	578	591	592	6	169	2381	170	21	705
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		0.8	-	-	-	0.8	0.6	-	0.4	-	0.1	-	0.4
C2-naphthalenes		-	-	-	-	0.1	-	-	0.04	-	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	0.2	-	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		1	0.6	0.2	0.3	2	1	-	2	-	0.2	-	0.4
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	0.1	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**2**	**0.6**	**0.2**	**0.3**	**3**	**2**	**-**	**3**	**-**	**0.3**	**-**	**0.8**
fluoranthene		-	-	-	-	0.1	-	-	0.2	-	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**0.2**	**-**	**-**	**-**	**-**
sample weight, grams :		5.26	5.45	5.49	5.10	5.35	5.03	3.06	5.56	5.00	5.51	4.68	5.33

Table B-26. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Port Lions.

ACs	Species :	Pink salmon								Halibut		Pink salmon		Pacific cod	
	Site :	PTL7	PTL7	PTL7	PTL7	PTL7	PTL7	PTL7	PTL7	PTL8	PTL8	PTL9	PTL9	PTL9	PTL9
	Date collected :	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Sep-89	Aug-90	Aug-90	Apr-90	May-90
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	ADFG	ADFG
	Lab no. :	167	168	173	174	190	196	646	647	522	523	2442	2443	2395	2411
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		0.2	0.1	-	0.2	-	-	0.5	0.3	-	-	-	-	-	0.8
C2-naphthalenes		-	-	-	-	-	-	-	-	-	-	3	-	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	3	2	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	1	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		-	-	-	-	-	-	-	-	-	-	0.6	-	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	0.4	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
phenanthrene		0.2	0.4	-	1	0.3	0.2	0.4	0.5	0.4	0.6	2	-	-	0.5
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	1	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	-	-	-	0.8	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	0.5	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.4**	**0.5**	**-**	**1**	**0.3**	**0.2**	**0.9**	**0.8**	**0.4**	**0.6**	**12**	**2**	**-**	**2**
fluoranthene		-	-	-	-	-	-	-	-	-	-	0.9	-	-	-
pyrene		-	-	-	-	-	-	-	-	-	-	0.6	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**-**	**-**	**-**
sample weight, grams :		5.21	5.82	5.35	5.24	5.14	5.51	5.01	5.05	5.22	5.20	5.04	5.01	4.96	5.00

Table B-27. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Ouzinkie.

ACs	Species :	Chum salmon						Pink salmon		Halibut	Halibut				Pink salmon	
	Site :	OUZ1	OUZ1	OUZ1	OUZ1	OUZ1	OUZ1	OUZ1	OUZ1	OUZ1	OUZ3	OUZ3	OUZ3	OUZ3	OUZ5	OUZ5
	Date collected :	Aug-90	Aug-90	Aug-90	Aug-90	Aug-90	Aug-90	Jul-89	Aug-90	Jul-89	Aug-89	Aug-89	Sep-89	Sep-89	Aug-89	Aug-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	1810	1811	2428	2435	2436	2437	9	2426	8	171	172	510	519	175	191
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		-	-	-	-	-	-	-	-	-	0.07	0.6	-	-	0.2	0.8
C2-naphthalenes		-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	0.3
C3-naphthalenes		-	-	-	2	1	0.9	-	-	-	-	-	-	-	-	-
C4-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		0.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	0.1
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
phenanthrene		-	-	-	1	-	-	-	-	-	0.1	0.5	-	0.3	1	2
C1-phenanthrenes		-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**0.5**	**2**	**-**	**3**	**1**	**1**	**-**	**-**	**-**	**0.2**	**1**	**-**	**0.3**	**1**	**3**
fluoranthene		0.4	0.8	-	-	-	-	-	-	-	-	0.1	-	-	-	-
pyrene		0.3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**0.7**	**2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**
sample weight, grams :		5.01	4.98	4.96	5.04	5.02	5.01	3.23	4.97	3.22	6.13	5.63	5.07	5.29	4.72	5.21

Table B-28. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Ouzinkie.

ACs	Species :	Pink salmon							Coho salmon							
	Site :	OUZ5	OUZ5	OUZ5	OUZ5	OUZ5	OUZ5	OUZ5	OUZ6	OUZ6	OUZ6	OUZ6	OUZ6	OUZ6	OUZ6	OUZ6
	Date collected :	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Aug-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89	Sep-89
	Collector :	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M	D&M
	Lab no. :	192	631	632	633	634	635	636	528	542	563	574	575	609	610	611
naphthalene		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
C1-naphthalenes		0.3	-	-	-	-	-	-	0.4	-	0.5	-	-	1	0.7	0.9
C2-naphthalenes		0.3	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-
C3-naphthalenes		-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-
C4-naphthalenes		-	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fluorene		0.4	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-
C1-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-	-	0.3	-	-	-	-	0.3	0.2	0.6
phenanthrene		4	1	1	1	1	0.9	1	3	0.8	1	0.6	0.6	2	1	3
C1-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-	-	0.3	-	-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenzothiophene		0.2	-	-	-	-	-	-	-	-	-	-	-	0.3	-	0.2
C1-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of LACs		**5**	**1**	**1**	**1**	**1**	**0.9**	**1**	**6**	**0.8**	**2**	**0.6**	**0.6**	**4**	**2**	**5**
fluoranthene		0.5	-	-	-	-	-	-	-	-	-	-	-	0.2	-	0.4
pyrene		-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chrysene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of HACs		**0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**0.6**	**-**	**-**	**-**	**-**	**0.2**	**-**	**0.4**
sample weight, grams :		4.73	5.03	5.04	5.11	5.16	5.13	5.03	5.34	5.38	5.28	5.33	5.28	5.22	5.47	5.18

Table B-29. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Ouzinkie.

ACs	Species :	Coho salmon			Pacific cod	Halibut	
	Site :	OUZ10	OUZ10	OUZ10	OUZH	OUZH	OUZH
	Date collected :	Sep-90	Sep-90	Sep-90	Sep-90	Sep-90	Sep-90
	Collector :	ADFG	ADFG	ADFG	ADFG	ADFG	ADFG
	Lab no. :	2365	2366R	2384R	2369	2367	2368
naphthalene		a	a	a	a	a	a
C1-naphthalenes		0.6	0.8	-	0.9	-	0.9
C2-naphthalenes		-	-	-	1	-	1
C3-naphthalenes		-	-	-	1	-	1
C4-naphthalenes		-	-	-	-	-	-
acenaphthylene		-	-	-	-	-	-
acenaphthene		-	-	-	-	-	-
fluorene		-	-	-	-	-	-
C1-fluorene		-	-	-	-	-	-
C2-fluorene		-	-	-	-	-	-
C3-fluorene		-	-	-	-	-	-
phenanthrene		-	-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-	-
dibenzothiophene		-	-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-	-
Sum of LACs		**0.6**	**0.8**	**-**	**3**	**-**	**3**
fluoranthene		-	-	-	-	-	-
pyrene		-	-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-	-
benz[a]anthracene		-	-	-	-	-	-
chrysene		-	-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**	**-**
sample weight, grams :		4.98	5.07	4.93	5.00	5.02	5.00

Table B-30. Concentrations, ng/g (ppb) wet weight, of aromatic compounds (ACs) in fish samples from Perryville.

ACs	Species :	Greenling		Irish Lord	Coho salmon	
	Site :	PER1	PER1	PER1	PER4	PER4
	Date collected :	Feb-90	Feb-90	Feb-90	Sep-90	Sep-90
	Collector :	ADFG	ADFG	ADFG	ADFG	ADFG
	Lab no. :	2390	2391	2392	2375	2376
naphthalene		a	a	a	a	a
C1-naphthalenes		-	-	-	-	-
C2-naphthalenes		-	-	-	-	-
C3-naphthalenes		-	-	-	-	-
C4-naphthalenes		-	-	-	-	-
acenaphthylene		-	-	-	-	-
acenaphthene		-	-	-	-	-
fluorene		-	-	-	-	-
C1-fluorene		-	-	-	-	-
C2-fluorene		-	-	-	-	-
C3-fluorene		-	-	-	-	-
phenanthrene		-	-	-	-	-
C1-phenanthrenes		-	-	-	-	-
C2-phenanthrenes		-	-	-	-	-
C3-phenanthrenes		-	-	-	-	-
C4-phenanthrenes		-	-	-	-	-
dibenzothiophene		-	-	-	-	-
C1-dibenzothiophenes		-	-	-	-	-
C2-dibenzothiophenes		-	-	-	-	-
C3-dibenzothiophenes		-	-	-	-	-
Sum of LACs		**-**	**-**	**-**	**-**	**-**
fluoranthene		-	-	-	-	-
pyrene		-	-	-	-	-
C1-fluoranthenes/pyrenes		-	-	-	-	-
benz[a]anthracene		-	-	-	-	-
chrysene		-	-	-	-	-
C1-chrysenes/benz[a]anthracenes		-	-	-	-	-
C2-chrysenes/benz[a]anthracenes		-	-	-	-	-
C3-chrysenes/benz[a]anthracenes		-	-	-	-	-
C4-chrysenes/benz[a]anthracenes		-	-	-	-	-
benzo[b]fluoranthene		-	-	-	-	-
benzo[k]fluoranthene		-	-	-	-	-
benzo[a]pyrene		-	-	-	-	-
indeno[1,2,3-cd]pyrene		-	-	-	-	-
dibenz[a,h]anthracene		-	-	-	-	-
benzo[ghi]perylene		-	-	-	-	-
Sum of HACs		**-**	**-**	**-**	**-**	**-**
sample weight, grams :		4.84	4.82	4.87	4.98	5.07