

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F1-04-00-PHC-SC	98-0-F1-04-05-PHC-SC	98-0-F1-04-10-PHC-SC	98-0-F1-04-15-PHC-SC
Lab ID	98D2155	98D2156	98D2157	98D2158
SDG	SDGS004	SDGS004	SDGS004	SDGS004
File	DY0637.D	DY0638.D	DY0639.D	DY0640.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	25.8 g	28.8 g	28.4 g	29.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-97PB	BV-S-97PB	BV-S-97PB	BV-S-97PB
Field Date	7/3/1998	7/3/1998	7/3/1998	7/3/1998
Extract Date	9/25/1998	9/25/1998	9/25/1998	9/25/1998
Analysis Date	10/6/1998	10/6/1998	10/6/1998	10/6/1998
Min Reporting Limit	0.48	0.43	0.44	0.43
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0036	0.0037	0.0036	0.0038
C1-Naphthalenes	0.0067	0.0063	0.0065	0.0065
C2-Naphthalenes	0.016	0.017	0.016	0.016
C3-Naphthalenes	0.018	0.017	0.017	0.018
C4-Naphthalenes	0.026	0.028	0.026	0.026
Acenaphthylene	0.00037 J	0.00043	0.00029 J	0.00033 J
Acenaphthene	0.0012	0.0014	0.0012	0.0012
Biphenyl	0.0025	0.0026	0.0025	0.0025
Fluorene	0.0053	0.0055	0.0049	0.0051
C1-Fluorenes	0.0057	0.0063	0.0062	0.0066
C2-Fluorenes	0.008	0.009	0.0088	0.0088
C3-Fluorenes	0.012	0.014	0.014	0.014
Anthracene	0.0016	0.0019	0.0015	0.0017
Phenanthrene	0.012	0.014	0.012	0.012
C1-Phenanthrenes/anthracenes	0.017	0.018	0.018	0.018
C2-Phenanthrenes/anthracenes	0.016	0.016	0.016	0.016
C3-Phenanthrenes/anthracenes	0.0082	0.0094	0.0092	0.0092
C4-Phenanthrenes/anthracenes	0.0072	0.0082	0.008	0.0082
Dibenzothiophene	0.0019	0.0023	0.0022	0.0019
C1-Dibenzothiophenes	0.0027	0.0033	0.0031	0.0026
C2-Dibenzothiophenes	0.0034	0.0046	0.0046	0.0037
C3-Dibenzothiophenes	0.0026	0.0038	0.0037	0.0032
Fluoranthene	0.01	0.012	0.0095	0.01
Pyrene	0.012	0.014	0.013	0.013
C1-Fluoranthenes/pyrenes	0.013	0.014	0.013	0.014
C2-Fluoranthenes/pyrenes	0.0098	0.0097	0.01	0.011
C3-Fluoranthenes/pyrenes	0.0074	0.0062	0.0065	0.0066
Benzo[a]anthracene	0.0027	0.0029	0.0022	0.0031
Chrysene	0.0041	0.0044	0.0039	0.0047
C1-Chrysenes	0.0049	0.0048	0.0048	0.0052
C2-Chrysenes	0.0051	0.005	0.0049	0.005
C3-Chrysenes	0.0038	0.0036	0.0038	0.0035
C4-Chrysenes	0.0038	0.0035	0.004	0.0034
Benzo[b]fluoranthene	0.0046	0.0047	0.0044	0.0062
Benzo[k]fluoranthene	0.001	0.00097	0.00088	0.0013
Benzo[e]pyrene	0.0035	0.0036	0.0034	0.0044
Benzo[a]pyrene	0.0017	0.0018	0.0015	0.0022
Perylene	0.075	0.085	0.092	0.1
Indeno[1,2,3,-c,d]pyrene	0.0019	0.0021	0.0019	0.0022
Dibenzo[a,h]anthracene	0.00051	0.00066	0.0013	0.0012
Benzo[g,h,i]perylene	0.015	0.016	0.016	0.016
Total PAH	0.36	0.39	0.38	0.4
d8-Naphthalene	63	58	60	57
d10-Acenaphthene	74	75	75	75
d10-Phenanthrene	75	78	76	79
d12-Benzo[a]pyrene	72	76	72	67

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F1-04-20-PHC-SC	98-0-F1-04-50-PHC-SC	98-0-F1-04-80-PHC-SC	98-0-F1-04-105-PHC-SC
Lab ID	98D2159	98D2160	98D2161	98D2162
SDG	SDGS004	SDGS004	SDGS004	SDGS004
File	DY0641.D	DY0642.D	DY0643.D	DY0644.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	28.9 g	30.3 g	30.2 g	31.4 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-97PB	BV-S-97PB	BV-S-97PB	BV-S-97PB
Field Date	7/3/1998	7/3/1998	7/3/1998	7/3/1998
Extract Date	9/25/1998	9/25/1998	9/25/1998	9/25/1998
Analysis Date	10/6/1998	10/6/1998	10/6/1998	10/6/1998
Min Reporting Limit	0.43	0.41	0.41	0.4
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0042	0.0042	0.0039	0.0036
C1-Naphthalenes	0.0078	0.0078	0.007	0.0054
C2-Naphthalenes	0.018	0.02	0.018	0.016
C3-Naphthalenes	0.019	0.02	0.015	0.012
C4-Naphthalenes	0.025	0.025	0.02	0.018
Acenaphthylene	0.00031 J	0.00039 J	0.00027 J	0.00035 J
Acenaphthene	0.0012	0.0016	0.0009	0.00073
Biphenyl	0.0026	0.0029	0.0028	0.0023
Fluorene	0.0057	0.0062	0.0053	0.0046
C1-Fluorenes	0.0066	0.0066	0.0052	0.0042
C2-Fluorenes	0.0095	0.0091	0.0072	0.0058
C3-Fluorenes	0.013	0.014	0.0098	0.0089
Anthracene	0.0018	0.0019	0.0011	0.00088
Phenanthrene	0.013	0.014	0.012	0.0097
C1-Phenanthrenes/anthracenes	0.02	0.02	0.018	0.013
C2-Phenanthrenes/anthracenes	0.018	0.017	0.015	0.01
C3-Phenanthrenes/anthracenes	0.0088	0.0097	0.0078	0.0055
C4-Phenanthrenes/anthracenes	0.0073	0.0081	0.0072	0.0051
Dibenzothiophene	0.0019	0.0021	0.0014	0.001
C1-Dibenzothiophenes	0.0025	0.0024	0.0018	0.0013
C2-Dibenzothiophenes	0.0036	0.0033	0.0022	0.0017
C3-Dibenzothiophenes	0.0025	0.0025	0.0014	0.0012
Fluoranthene	0.011	0.012	0.0072	0.0045
Pyrene	0.014	0.016	0.014	0.012
C1-Fluoranthenes/pyrenes	0.014	0.016	0.013	0.011
C2-Fluoranthenes/pyrenes	0.01	0.011	0.0097	0.0073
C3-Fluoranthenes/pyrenes	0.0067	0.0071	0.0061	0.0048
Benzo[a]anthracene	0.0033	0.0033	0.002	0.0013
Chrysene	0.0053	0.0042	0.0033	0.0023
C1-Chrysenes	0.0051	0.0054	0.0048	0.0038
C2-Chrysenes	0.0052	0.0053	0.0042	0.0033
C3-Chrysenes	0.0036	0.0037	0.0034	0.0023
C4-Chrysenes	0.0036	0.0039	0.0044	0.0038
Benzo[b]fluoranthene	0.0054	0.0051	0.0043	0.0034
Benzo[k]fluoranthene	0.001	0.0011	0.00064	0.0007
Benzo[e]pyrene	0.004	0.0041	0.0039	0.0035
Benzo[a]pyrene	0.0018	0.0019	0.0016	0.0014
Perylene	0.093	0.092	0.096	0.1
Indeno[1,2,3,-c,d]pyrene	0.002	0.0021	0.0025	0.002
Dibenzo[a,h]anthracene	0.00064	0.00082	0.0015	0.0009
Benzo[g,h,i]perylene	0.014	0.015	0.017	0.019
Total PAH	0.4	0.41	0.36	0.32
d8-Naphthalene	58	68	70	62
d10-Acenaphthene	75	76	75	73
d10-Phenanthrene	78	74	73	79
d12-Benzo[a]pyrene	68	66	64	65

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Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F1-04-140-PHC-SC	98-0-F1-04-175-PHC-SC	98-0-F1-04-200-PHC-SC	98-0-F1-04-230-PHC-SC
Lab ID	98D2163	98D2164	98D2165	98D2166
SDG	SDGS004	SDGS004	SDGS004	SDGS004
File	DY0645.D	DY0646.D	DY0647.D	DY0649.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	32.7 g	30.7 g	31 g	31 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-97PB	BV-S-97PB	BV-S-97PB	BV-S-97PB
Field Date	7/3/1998	7/3/1998	7/3/1998	7/3/1998
Extract Date	9/25/1998	9/25/1998	9/25/1998	9/25/1998
Analysis Date	10/6/1998	10/6/1998	10/6/1998	10/7/1998
Min Reporting Limit	0.38	0.41	0.4	0.4
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0026 B	0.0024 B	0.002 B	0.0025 B
C1-Naphthalenes	0.0044	0.0048	0.0045	0.0057
C2-Naphthalenes	0.012	0.013	0.012	0.018
C3-Naphthalenes	0.013	0.012	0.012	0.016
C4-Naphthalenes	0.02	0.024	0.018	0.021
Acenaphthylene	0.000073 J	0.000056 J	0.000053 J	0.000054 J
Acenaphthene	0.00074	0.0011	0.0006	0.00067
Biphenyl	0.0018	0.0018	0.0016	0.002
Fluorene	0.0031	0.0027	0.0025	0.0031
C1-Fluorenes	0.0042	0.0038	0.0039	0.0048
C2-Fluorenes	0.0061	0.0054	0.0055	0.0072
C3-Fluorenes	0.0078	0.0068	0.0078	0.0094
Anthracene	0.00038	0.00034 J	0.00033 J	0.00036 J
Phenanthrene	0.0066	0.0061	0.0058	0.0074
C1-Phenanthrenes/anthracenes	0.013	0.013	0.012	0.015
C2-Phenanthrenes/anthracenes	0.01	0.0095	0.011	0.013
C3-Phenanthrenes/anthracenes	0.006	0.007	0.0061	0.0076
C4-Phenanthrenes/anthracenes	0.0053	0.0059	0.0051	0.0061
Dibenzothiophene	0.00079	0.00075	0.00076	0.00094
C1-Dibenzothiophenes	0.0014	0.0013	0.0013	0.0016
C2-Dibenzothiophenes	0.0016	0.0015	0.0016	0.002
C3-Dibenzothiophenes	0.0012	0.0015	0.0012	0.0012
Fluoranthene	0.002	0.0019	0.0017	0.0018
Pyrene	0.0071	0.0079	0.0072	0.008
C1-Fluoranthenes/pyrenes	0.0092	0.0098	0.009	0.011
C2-Fluoranthenes/pyrenes	0.0071	0.0083	0.008	0.0094
C3-Fluoranthenes/pyrenes	0.0051	0.0049	0.0051	0.0058
Benzo[a]anthracene	0.00075	0.00078	0.00048	0.00096
Chrysene	0.0018	0.0017	0.0017	0.0023
C1-Chrysenes	0.0034	0.0041	0.0035	0.0044
C2-Chrysenes	0.0032	0.0033	0.0034	0.0041
C3-Chrysenes	0.0028	0.0028	0.0026	0.0031
C4-Chrysenes	0.0048	0.0029	0.0029	0.0037
Benzo[b]fluoranthene	0.0021	0.0022	0.0021	0.0025
Benzo[k]fluoranthene	0.00024 J	0.00029 J	0.00026 J	0.00026 J
Benzo[e]pyrene	0.0024	0.0026	0.0024	0.0031
Benzo[a]pyrene	0.00058	0.00058	0.00046	0.00056
Perylene	0.093	0.12	0.12	0.15
Indeno[1,2,3,-c,d]pyrene	0.0013	0.0014	0.0013	0.0015
Dibenzo[a,h]anthracene	0.00099	0.0011	0.0006	0.0012
Benzo[g,h,i]perylene	0.014	0.014	0.013	0.012
Total PAH	0.28	0.32	0.3	0.37
d8-Naphthalene	46	64	60	49
d10-Acenaphthene	69	75	74	63
d10-Phenanthrene	73	74	76	65
d12-Benzo[a]pyrene	63	63	63	52

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F8-02-00-PHC-SC	98-0-F8-02-02-PHC-SC	98-0-F8-02-04-PHC-SC	98-0-F8-02-06-PHC-SC
Lab ID	98D2205	98D2206	98D2207	98D2230
SDG	SDGS005	SDGS005	SDGS005	SDGS005
File	DY6104.D	DY6105.D	DY6106.D	DY6110.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	38.8 g	38.5 g	38.4 g	39 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BW-S-23PB	BW-S-23PB	BW-S-23PB	BW-S-23PB
Field Date	7/3/1998	7/3/1998	7/3/1998	7/3/1998
Extract Date	9/29/1998	9/29/1998	9/29/1998	9/29/1998
Analysis Date	10/10/1998	10/10/1998	10/10/1998	10/10/1998
Min Reporting Limit	0.32	0.32	0.32	0.32
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.002 B	0.0024 B	0.0029	0.0026
C1-Naphthalenes	0.0041	0.005	0.0064	0.0054
C2-Naphthalenes	0.007	0.0081	0.01	0.0089
C3-Naphthalenes	0.0061	0.0067	0.0085	0.0075
C4-Naphthalenes	0.0076	0.0082	0.009	0.0079
Acenaphthylene	0.00011 J	0.00011 J	0.00012 J	0.00018 J
Acenaphthene	0.00017 J	0.0002 J	0.00028 J	0.00028 J
Biphenyl	0.00087	0.0011	0.0015	0.0014
Fluorene	0.00069	0.00089	0.0012	0.0011
C1-Fluorenes	0.0014	0.0017	0.0021	0.0019
C2-Fluorenes	0.0024	0.003	0.0036	0.0031
C3-Fluorenes	0.0033	0.0044	0.0051	0.0046
Anthracene	0.00017 J	0.00017 J	0.0003 J	0.00033
Phenanthrene	0.0032	0.0043	0.0055	0.0053
C1-Phenanthrenes/anthracenes	0.0047	0.0063	0.0082	0.0074
C2-Phenanthrenes/anthracenes	0.0046	0.006	0.0074	0.0063
C3-Phenanthrenes/anthracenes	0.0036	0.0048	0.0062	0.0053
C4-Phenanthrenes/anthracenes	0.0016	0.0022	0.003	0.0024
Dibenzothiophene	0.00039 B	0.0005	0.00067	0.00063
C1-Dibenzothiophenes	0.00058	0.00071	0.00092	0.00083
C2-Dibenzothiophenes	0.00089	0.001	0.0012	0.001
C3-Dibenzothiophenes	0.00047	0.00082	0.00085	0.00069
Fluoranthene	0.00085	0.0012	0.0017	0.0015
Pyrene	0.00093	0.0013	0.0019	0.0016
C1-Fluoranthenes/pyrenes	0.0019	0.0025	0.0033	0.003
C2-Fluoranthenes/pyrenes	0.0021	0.0031	0.0038	0.0034
C3-Fluoranthenes/pyrenes	0.0015	0.0022	0.0026	0.0024
Benzo[a]anthracene	0.00034	0.00043	0.00064	0.00048
Chrysene	0.00077	0.0012	0.0014	0.0013
C1-Chrysenes	0.001	0.0014	0.0017	0.0016
C2-Chrysenes	0.001	0.0016	0.002	0.0021
C3-Chrysenes	0.00093	0.0011	0.0014	0.0015
C4-Chrysenes	0.0006	0.00084	0.001	0.00096
Benzo[b]fluoranthene	0.00066	0.0011	0.0013	0.0012
Benzo[k]fluoranthene	0.00011 J	0.00022 J	0.00024 J	0.00021 J
Benzo[e]pyrene	0.00061	0.00095	0.0011	0.001
Benzo[a]pyrene	0.00024 J	0.00033	0.00046	0.00038
Perylene	0.0041	0.009	0.014	0.013
Indeno[1,2,3,-c,d]pyrene	0.00022 J	0.00034	0.00041	0.00037
Dibenzo[a,h]anthracene	0.00011 J	0.00019 J	0.00021 J	0.0002 J
Benzo[g,h,i]perylene	0.00057	0.001	0.0011	0.001
Total PAH	0.074	0.099	0.13	0.11
d8-Naphthalene	69	69	75	72
d10-Acenaphthene	70	70	72	71
d10-Phenanthrene	76	75	74	74
d12-Benzo[a]pyrene	69	58	65	69

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Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F8-02-08-PHC-SC	98-0-F8-02-10-PHC-SC	98-0-F8-02-12-PHC-SC	98-0-F8-02-14-PHC-SC
Lab ID	98D2229	98D2175	98D2177	98D2208
SDG	SDGS005	SDGS003	SDGS005	SDGS005
File	DY6109.D	DZ6385.D	DY6102.D	DY6108.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	38.7 g	40.7 g	40.3 g	40.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BW-S-23PB	BV-S-91PB	BW-S-23PB	BW-S-23PB
Field Date	7/3/1998	7/3/1998	7/3/1998	7/3/1998
Extract Date	9/29/1998	9/24/1998	9/29/1998	9/29/1998
Analysis Date	10/10/1998	10/4/1998	10/10/1998	10/10/1998
Min Reporting Limit	0.32	0.31	0.31	0.31
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0029	0.003	0.0029	0.0025
C1-Naphthalenes	0.006	0.0056	0.0056	0.0052
C2-Naphthalenes	0.01	0.009	0.0095	0.0089
C3-Naphthalenes	0.0083	0.0071	0.0075	0.0068
C4-Naphthalenes	0.0086	0.0076	0.0087	0.0078
Acenaphthylene	0.00013 J	0.00025 J	0.00017 J	0.00015 J
Acenaphthene	0.00028 J	0.00029 J	0.00026 J	0.00023 J
Biphenyl	0.0015	0.0015	0.0014	0.0013
Fluorene	0.0012	0.0013	0.0012	0.001
C1-Fluorenes	0.0021	0.002	0.0017	0.0015
C2-Fluorenes	0.0036	0.0035	0.0031	0.0026
C3-Fluorenes	0.0049	0.0048	0.0039	0.0034
Anthracene	0.00035	0.00036	0.00033	0.00024 J
Phenanthrene	0.0056	0.0067	0.0057	0.0044
C1-Phenanthrenes/anthracenes	0.008	0.0082	0.0078	0.0065
C2-Phenanthrenes/anthracenes	0.0071	0.01	0.0067	0.0057
C3-Phenanthrenes/anthracenes	0.006	0.0068	0.0053	0.0026
C4-Phenanthrenes/anthracenes	0.0029	0.0038	0.0027	0.0028
Dibenzothiophene	0.00063	0.00066	0.00059	0.00044
C1-Dibenzothiophenes	0.00088	0.0011	0.00075	0.0006
C2-Dibenzothiophenes	0.00099	0.0013	0.00088	0.0007
C3-Dibenzothiophenes	0.00079	0.0011	0.0006	0.00041
Fluoranthene	0.0017	0.0021	0.0017	0.0012
Pyrene	0.0019	0.0022	0.0019	0.0014
C1-Fluoranthenes/pyrenes	0.0032	0.004	0.0034	0.0031
C2-Fluoranthenes/pyrenes	0.0038	0.0046	0.0038	0.0031
C3-Fluoranthenes/pyrenes	0.0026	0.0044	0.0027	0.0022
Benzo[a]anthracene	0.00059	0.00055	0.00054	0.00044
Chrysene	0.0014	0.0015	0.0014	0.001
C1-Chrysenes	0.0016	0.0021	0.0016	0.0013
C2-Chrysenes	0.0018	0.0024	0.0018	0.0015
C3-Chrysenes	0.0015	0.0023	0.0013	0.0012
C4-Chrysenes	0.00088	0.0025 I	0.00087	0.00068
Benzo[b]fluoranthene	0.0014	0.0013	0.0012	0.001
Benzo[k]fluoranthene	0.0002 J	0.00018 J	0.00018 J	0.00017 J
Benzo[e]pyrene	0.0012	0.0012	0.001	0.00091
Benzo[a]pyrene	0.00047	0.00046	0.00041	0.00031
Perylene	0.014	0.016	0.015	0.014
Indeno[1,2,3,-c,d]pyrene	0.0004	0.00043	0.00039	0.00029 J
Dibenzo[a,h]anthracene	0.00022 J	0.00023 J	0.00023 J	0.00018 J
Benzo[g,h,i]perylene	0.0013	0.0011	0.0011	0.00086
Total PAH	0.12	0.14	0.12	0.1
d8-Naphthalene	73	72	71	80
d10-Acenaphthene	71	75	72	74
d10-Phenanthrene	76	78	73	78
d12-Benzo[a]pyrene	62	73	67	66

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-0-F8-02-16-PHC-SC	98-0-F8-02-20-PHC-SC	98-2-16-02-00-PHC-SC	98-2-16-02-01-PHC-SC
Lab ID	98D2176	98D2178	98D2140	98D2141
SDG	SDGS005	SDGS005	SDGS003	SDGS003
File	DY6101.D	DY6103.D	DZ6373.D	DZ6374.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	40.5 g	39.9 g	11.3 g	13 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BW-S-23PB	BW-S-23PB	BV-S-91PB	BV-S-91PB
Field Date	7/3/1998	7/3/1998	7/1/1998	7/1/1998
Extract Date	9/29/1998	9/29/1998	9/24/1998	9/24/1998
Analysis Date	10/10/1998	10/10/1998	10/3/1998	10/3/1998
Min Reporting Limit	0.31	0.31	1.1	0.96
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0024 B	0.0024 B	0.01	0.0091
C1-Naphthalenes	0.005	0.0054	0.028	0.026
C2-Naphthalenes	0.008	0.0088	0.056	0.052
C3-Naphthalenes	0.0065	0.0068	0.048	0.043
C4-Naphthalenes	0.0084	0.0074	0.03	0.034
Acenaphthylene	0.000098 J	0.000076 J	0.00048 J	0.00034 J
Acenaphthene	0.00025 J	0.0002 J	0.0013	0.0014
Biphenyl	0.0013	0.0013	0.0081	0.0079
Fluorene	0.00087	0.00077	0.0091	0.0087
C1-Fluorenes	0.0015	0.0014	0.019	0.018
C2-Fluorenes	0.0024	0.0025	0.026	0.024
C3-Fluorenes	0.0034	0.0036	0.03	0.026
Anthracene	0.0002 J	0.0002 J	0.0017	0.0014
Phenanthrene	0.0044	0.0042	0.039	0.029
C1-Phenanthrenes/anthracenes	0.0062	0.0065	0.061	0.052
C2-Phenanthrenes/anthracenes	0.0058	0.006	0.062	0.054
C3-Phenanthrenes/anthracenes	0.0048	0.0051	0.034	0.03
C4-Phenanthrenes/anthracenes	0.0021	0.0021	0.023	0.02
Dibenzothiophene	0.00051	0.00049 B	0.0041	0.0035
C1-Dibenzothiophenes	0.00061	0.00059	0.0074	0.007
C2-Dibenzothiophenes	0.00065	0.00069	0.0081	0.0076
C3-Dibenzothiophenes	0.00043	0.0004	0.0055	0.0054
Fluoranthene	0.00096	0.00075	0.0076	0.007
Pyrene	0.0012	0.0011	0.0089	0.0082
C1-Fluoranthenes/pyrenes	0.0029	0.0027	0.027	0.025
C2-Fluoranthenes/pyrenes	0.0034	0.0032	0.034	0.031
C3-Fluoranthenes/pyrenes	0.0025	0.0024	0.032	0.029
Benzo[a]anthracene	0.00047	0.00034	0.0034	0.0029
Chrysene	0.0011	0.00092	0.01	0.0084
C1-Chrysenes	0.0014	0.0014	0.016	0.013
C2-Chrysenes	0.0016	0.0015	0.022	0.02
C3-Chrysenes	0.0013	0.0012	0.015	0.012
C4-Chrysenes	0.00082	0.00076	0.0097 I	0.011
Benzo[b]fluoranthene	0.001	0.00081	0.0074	0.0062
Benzo[k]fluoranthene	0.00013 J	0.000092 J	0.00074 J	0.0005 J
Benzo[e]pyrene	0.0009	0.00074	0.0066	0.0059
Benzo[a]pyrene	0.00029 J	0.00024 J	0.0023	0.0018
Perylene	0.014	0.012	0.016	0.016
Indeno[1,2,3,-c,d]pyrene	0.00032	0.00025 J	0.0017	0.0017
Dibenzo[a,h]anthracene	0.00021 J	0.00016 J	0.0012	0.0013
Benzo[g,h,i]perylene	0.00086	0.00076	0.0065	0.006
Total PAH	0.1	0.098	0.74	0.67
d8-Naphthalene	75	73	69	77
d10-Acenaphthene	74	71	72	76
d10-Phenanthrene	75	75	76	83
d12-Benzo[a]pyrene	65	64	81	81

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-2-16-02-02-PHC-SC	98-2-16-02-03-PHC-SC	98-2-16-02-04-PHC-SC	98-2-16-02-05-PHC-SC
Lab ID	98D2142	98D2137	98D2138	98D2139
SDG	SDGS003	SDGS003	SDGS003	SDGS003
File	DZ6375.D	DZ6370.D	DZ6371.D	DZ6372.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	13.4 g	13.3 g	16.5 g	18.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-91PB	BV-S-91PB	BV-S-91PB	BV-S-91PB
Field Date	7/1/1998	7/1/1998	7/1/1998	7/1/1998
Extract Date	9/24/1998	9/24/1998	9/24/1998	9/24/1998
Analysis Date	10/3/1998	10/3/1998	10/3/1998	10/3/1998
Min Reporting Limit	0.93	0.94	0.76	0.69
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0098	0.0092	0.0089	0.0094
C1-Naphthalenes	0.027	0.026	0.026	0.026
C2-Naphthalenes	0.055	0.056	0.055	0.056
C3-Naphthalenes	0.048	0.048	0.046	0.048
C4-Naphthalenes	0.035	0.037	0.028	0.035
Acenaphthylene	0.00024 J	0.00037 J	0.00039 J	0.00025 J
Acenaphthene	0.0014	0.0016	0.0014	0.0014
Biphenyl	0.0081	0.0081	0.008	0.0083
Fluorene	0.0094	0.0097	0.0092	0.0096
C1-Fluorenes	0.019	0.019	0.018	0.019
C2-Fluorenes	0.028	0.028	0.025	0.023
C3-Fluorenes	0.03	0.032	0.026	0.024
Anthracene	0.0017	0.0017	0.0017	0.0018
Phenanthrene	0.032	0.033	0.035	0.033
C1-Phenanthrenes/anthracenes	0.059	0.06	0.057	0.059
C2-Phenanthrenes/anthracenes	0.061	0.062	0.058	0.06
C3-Phenanthrenes/anthracenes	0.036	0.034	0.033	0.036
C4-Phenanthrenes/anthracenes	0.023	0.023	0.02	0.022
Dibenzothiophene	0.0041	0.0041	0.004	0.004
C1-Dibenzothiophenes	0.008	0.0079	0.0081	0.0078
C2-Dibenzothiophenes	0.008	0.0087	0.0081	0.0081
C3-Dibenzothiophenes	0.006	0.006	0.0062	0.0059
Fluoranthene	0.0078	0.0078	0.0076	0.008
Pyrene	0.0091	0.0088	0.0087	0.0091
C1-Fluoranthenes/pyrenes	0.027	0.028	0.026	0.027
C2-Fluoranthenes/pyrenes	0.034	0.034	0.031	0.031
C3-Fluoranthenes/pyrenes	0.034	0.032	0.03	0.028
Benzo[a]anthracene	0.0033	0.0036	0.0034	0.0035
Chrysene	0.0093	0.0094	0.0094	0.0094
C1-Chrysenes	0.016	0.016	0.015	0.015
C2-Chrysenes	0.021	0.022	0.019	0.022
C3-Chrysenes	0.014	0.015	0.014	0.014
C4-Chrysenes	0.015 I	0.01 I	0.013 I	0.012 I
Benzo[b]fluoranthene	0.0077	0.0071	0.0064	0.0072
Benzo[k]fluoranthene	0.00068 J	0.00093 J	0.00052 J	0.00084
Benzo[e]pyrene	0.0069	0.0069	0.0058	0.0067
Benzo[a]pyrene	0.0022	0.0023	0.002	0.0022
Perylene	0.018	0.019	0.018	0.019
Indeno[1,2,3,-c,d]pyrene	0.002	0.0018	0.0018	0.002
Dibenzo[a,h]anthracene	0.0014	0.0014	0.0012	0.0014
Benzo[g,h,i]perylene	0.0079	0.0078	0.0077	0.0064
Total PAH	0.75	0.75	0.7	0.72
d8-Naphthalene	67	66	74	66
d10-Acenaphthene	73	72	77	75
d10-Phenanthrene	80	81	79	81
d12-Benzo[a]pyrene	73	80	83	80

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-2-16-02-06-PHC-SC	98-2-16-02-07-PHC-SC	98-2-16-02-08-PHC-SC	98-2-16-02-09-PHC-SC
Lab ID	98D2134	98D2135	98D2136	98D2131
SDG	SDGS003	SDGS003	SDGS003	SDGS003
File	DZ6366.D	DZ6367.D	DZ6369.D	DZ6363.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	17.6 g	17.9 g	15.9 g	14 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-91PB	BV-S-91PB	BV-S-91PB	BV-S-91PB
Field Date	7/1/1998	7/1/1998	7/1/1998	7/1/1998
Extract Date	9/24/1998	9/24/1998	9/24/1998	9/24/1998
Analysis Date	10/3/1998	10/3/1998	10/3/1998	10/3/1998
Min Reporting Limit	0.71	0.7	0.79	0.89
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.009	0.0088	0.009	0.0093
C1-Naphthalenes	0.027	0.026	0.026	0.028
C2-Naphthalenes	0.056	0.054	0.054	0.057
C3-Naphthalenes	0.047	0.047	0.046	0.048
C4-Naphthalenes	0.037	0.038	0.031	0.034
Acenaphthylene	0.00024 J	0.00027 J	0.00033 J	0.00032 J
Acenaphthene	0.0014	0.0013	0.0014	0.0014
Biphenyl	0.008	0.0077	0.0079	0.0082
Fluorene	0.0095	0.0094	0.009	0.0096
C1-Fluorenes	0.018	0.018	0.017	0.018
C2-Fluorenes	0.027	0.027	0.025	0.027
C3-Fluorenes	0.031	0.026	0.027	0.031
Anthracene	0.0016	0.0018	0.0016	0.0018
Phenanthrene	0.036	0.036	0.035	0.038
C1-Phenanthrenes/anthracenes	0.058	0.058	0.054	0.06
C2-Phenanthrenes/anthracenes	0.06	0.057	0.058	0.064
C3-Phenanthrenes/anthracenes	0.034	0.032	0.032	0.034
C4-Phenanthrenes/anthracenes	0.023	0.022	0.022	0.022
Dibenzothiophene	0.004	0.004	0.0039	0.0043
C1-Dibenzothiophenes	0.0078	0.008	0.0081	0.0085
C2-Dibenzothiophenes	0.0083	0.0085	0.0077	0.0095
C3-Dibenzothiophenes	0.0055	0.0053	0.0052	0.0055
Fluoranthene	0.0075	0.0077	0.0072	0.008
Pyrene	0.0091	0.0089	0.0083	0.0092
C1-Fluoranthenes/pyrenes	0.026	0.026	0.026	0.029
C2-Fluoranthenes/pyrenes	0.032	0.033	0.031	0.034
C3-Fluoranthenes/pyrenes	0.033	0.033	0.03	0.038
Benzo[a]anthracene	0.0031	0.0035	0.0032	0.0036
Chrysene	0.0082	0.011	0.0092	0.01
C1-Chrysenes	0.014	0.016	0.016	0.017
C2-Chrysenes	0.022	0.022	0.022	0.025
C3-Chrysenes	0.014	0.015	0.014	0.014
C4-Chrysenes	0.01 I	0.011 I	0.01	0.018
Benzo[b]fluoranthene	0.0061	0.0073	0.0063	0.0076
Benzo[k]fluoranthene	0.0005 J	0.001	0.00069 J	0.00081 J
Benzo[e]pyrene	0.0056	0.0066	0.0059	0.0068
Benzo[a]pyrene	0.0018	0.0022	0.002	0.0024
Perylene	0.017	0.018	0.018	0.02
Indeno[1,2,3,-c,d]pyrene	0.0016	0.002	0.0017	0.002
Dibenzo[a,h]anthracene	0.0013	0.0015	0.0012	0.0014
Benzo[g,h,i]perylene	0.0073	0.0083	0.0079	0.0092
Total PAH	0.73	0.73	0.7	0.78
d8-Naphthalene	68	73	56	78
d10-Acenaphthene	70	75	56	78
d10-Phenanthrene	76	78	58	81
d12-Benzo[a]pyrene	77	81	61	84



**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-2-16-02-10-PHC-SC	98-2-16-02-11-PHC-SC	98-2-16-02-12-PHC-SC	98-2-16-02-13-PHC-SC
Lab ID	98D2132	98D2133	98D2169	98D2168
SDG	SDGS003	SDGS003	SDGS003	SDGS003
File	DZ6364.D	DZ6365.D	DZ6378.D	DZ6377.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	14.3 g	20.3 g	19.9 g	22.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-91PB	BV-S-91PB	BV-S-91PB	BV-S-91PB
Field Date	7/1/1998	7/1/1998	7/1/1998	7/1/1998
Extract Date	9/24/1998	9/24/1998	9/24/1998	9/24/1998
Analysis Date	10/3/1998	10/3/1998	10/4/1998	10/4/1998
Min Reporting Limit	0.87	0.62	0.63	0.56
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0093	0.0088	0.0089	0.0097
C1-Naphthalenes	0.027	0.026	0.025	0.027
C2-Naphthalenes	0.056	0.055	0.054	0.059
C3-Naphthalenes	0.048	0.047	0.047	0.052
C4-Naphthalenes	0.033	0.034	0.033	0.036
Acenaphthylene	0.00041 J	0.00019 J	0.00035 J	0.001
Acenaphthene	0.0015	0.0014	0.0012	0.0015
Biphenyl	0.008	0.0077	0.0078	0.0085
Fluorene	0.0095	0.0094	0.0093	0.01
C1-Fluorenes	0.018	0.017	0.018	0.021
C2-Fluorenes	0.028	0.026	0.027	0.03
C3-Fluorenes	0.032	0.026	0.028	0.035
Anthracene	0.0017	0.002	0.0016	0.0018
Phenanthrene	0.032	0.036	0.036	0.034
C1-Phenanthrenes/anthracenes	0.058	0.057	0.058	0.062
C2-Phenanthrenes/anthracenes	0.061	0.058	0.059	0.062
C3-Phenanthrenes/anthracenes	0.034	0.034	0.033	0.039
C4-Phenanthrenes/anthracenes	0.022	0.022	0.022	0.025
Dibenzothiophene	0.0041	0.004	0.0039	0.004
C1-Dibenzothiophenes	0.008	0.008	0.0075	0.0077
C2-Dibenzothiophenes	0.0083	0.0085	0.0079	0.0088
C3-Dibenzothiophenes	0.0062	0.0064	0.0056	0.0064
Fluoranthene	0.0079	0.0076	0.0074	0.0081
Pyrene	0.0089	0.009	0.0087	0.0094
C1-Fluoranthenes/pyrenes	0.027	0.026	0.026	0.029
C2-Fluoranthenes/pyrenes	0.032	0.032	0.032	0.034
C3-Fluoranthenes/pyrenes	0.036	0.036	0.034	0.032
Benzo[a]anthracene	0.0033	0.0032	0.0032	0.0035
Chrysene	0.01	0.0097	0.0098	0.01
C1-Chrysenes	0.016	0.014	0.015	0.016
C2-Chrysenes	0.022	0.027	0.019	0.024
C3-Chrysenes	0.015	0.015	0.015	0.015
C4-Chrysenes	0.012 I	0.01 I	0.011 I	0.012 I
Benzo[b]fluoranthene	0.0072	0.0069	0.0071	0.0073
Benzo[k]fluoranthene	0.00073 J	0.00062	0.00061 J	0.0007
Benzo[e]pyrene	0.0067	0.0061	0.0065	0.0064
Benzo[a]pyrene	0.0023	0.002	0.0021	0.0022
Perylene	0.02	0.019	0.018	0.022
Indeno[1,2,3,-c,d]pyrene	0.0018	0.0018	0.0018	0.0018
Dibenzo[a,h]anthracene	0.0013	0.0013	0.0014	0.0014
Benzo[g,h,i]perylene	0.0091	0.0084	0.0084	0.0076
Total PAH	0.75	0.73	0.72	0.78
d8-Naphthalene	68	70	68	63
d10-Acenaphthene	70	76	74	70
d10-Phenanthrene	77	80	80	81
d12-Benzo[a]pyrene	76	83	78	78

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-2-16-02-14-PHC-SC	98-2-16-02-15-PHC-SC	98-2-16-02-18-PHC-SC	98-2-16-02-23-PHC-SC
Lab ID	98D2167	98D2172	98D2171	98D2170
SDG	SDGS003	SDGS003	SDGS003	SDGS003
File	DZ6376.D	DZ6382.D	DZ6380.D	DZ6379.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	24.2 g	25.7 g	26.8 g	25.5 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-91PB	BV-S-91PB	BV-S-91PB	BV-S-91PB
Field Date	7/1/1998	7/1/1998	7/1/1998	7/1/1998
Extract Date	9/24/1998	9/24/1998	9/24/1998	9/24/1998
Analysis Date	10/4/1998	10/4/1998	10/4/1998	10/4/1998
Min Reporting Limit	0.52	0.49	0.47	0.49
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0086	0.0088	0.009	0.009
C1-Naphthalenes	0.026	0.026	0.027	0.029
C2-Naphthalenes	0.055	0.056	0.058	0.06
C3-Naphthalenes	0.046	0.049	0.051	0.053
C4-Naphthalenes	0.032	0.035	0.039	0.034
Acenaphthylene	0.00017 J	0.0002 J	0.00028 J	0.00029 J
Acenaphthene	0.0014	0.0013	0.0015	0.0014
Biphenyl	0.0079	0.0079	0.0083	0.0087
Fluorene	0.0097	0.01	0.01	0.01
C1-Fluorenes	0.018	0.019	0.02	0.02
C2-Fluorenes	0.027	0.028	0.028	0.029
C3-Fluorenes	0.032	0.031	0.031	0.034
Anthracene	0.0018	0.0018	0.0019	0.0019
Phenanthrene	0.038	0.035	0.04	0.04
C1-Phenanthrenes/anthracenes	0.059	0.061	0.063	0.064
C2-Phenanthrenes/anthracenes	0.056	0.061	0.063	0.062
C3-Phenanthrenes/anthracenes	0.036	0.035	0.037	0.038
C4-Phenanthrenes/anthracenes	0.024	0.023	0.038	0.025
Dibenzothiophene	0.004	0.0038	0.0042	0.0042
C1-Dibenzothiophenes	0.007	0.0078	0.0078	0.0074
C2-Dibenzothiophenes	0.0078	0.0086	0.0088	0.0084
C3-Dibenzothiophenes	0.0062	0.0058	0.0057	0.0056
Fluoranthene	0.0078	0.008	0.0085	0.0084
Pyrene	0.0089	0.0091	0.0095	0.0093
C1-Fluoranthenes/pyrenes	0.028	0.028	0.03	0.03
C2-Fluoranthenes/pyrenes	0.034	0.036	0.038	0.037
C3-Fluoranthenes/pyrenes	0.032	0.032	0.034	0.034
Benzo[a]anthracene	0.003	0.0034	0.0037	0.0035
Chrysene	0.0095	0.01	0.01	0.01
C1-Chrysenes	0.015	0.016	0.016	0.017
C2-Chrysenes	0.022	0.021	0.022	0.023
C3-Chrysenes	0.014	0.014	0.014	0.015
C4-Chrysenes	0.01	0.012	0.012	0.014
Benzo[b]fluoranthene	0.0076	0.0076	0.0085	0.0078
Benzo[k]fluoranthene	0.00076	0.00076	0.00076	0.00054
Benzo[e]pyrene	0.007	0.0069	0.0078	0.0071
Benzo[a]pyrene	0.0022	0.0023	0.0025	0.0024
Perylene	0.021	0.022	0.024	0.026
Indeno[1,2,3,-c,d]pyrene	0.0019	0.002	0.0022	0.002
Dibenzo[a,h]anthracene	0.0014	0.0014	0.0017	0.0016
Benzo[g,h,i]perylene	0.0069	0.0072	0.0076	0.007
Total PAH	0.74	0.75	0.81	0.8
d8-Naphthalene	70	64	66	71
d10-Acenaphthene	74	72	69	71
d10-Phenanthrene	79	79	73	77
d12-Benzo[a]pyrene	70	74	65	75

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-2-16-02-27-PHC-SC	98-2-16-02-30-PHC-SC	98-4-F4-03-00-PHC-SC	98-4-F4-03-02-PHC-SC
Lab ID	98D2173	98D2174	98D2238	98D2240
SDG	SDGS003	SDGS003	SDGS005	SDGS005
File	DZ6383.D	DZ6384.D	DY6113.D	DY6115.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	26.7 g	27.3 g	18.2 g	20.5 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-91PB	BV-S-91PB	BW-S-23PB	BW-S-23PB
Field Date	7/1/1998	7/1/1998	6/30/1998	6/30/1998
Extract Date	9/24/1998	9/24/1998	9/29/1998	9/29/1998
Analysis Date	10/4/1998	10/4/1998	10/10/1998	10/11/1998
Min Reporting Limit	0.47	0.46	0.69	0.61
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.0089	0.0086	0.011	0.011
C1-Naphthalenes	0.027	0.026	0.033	0.033
C2-Naphthalenes	0.058	0.055	0.06	0.063
C3-Naphthalenes	0.05	0.048	0.05	0.053
C4-Naphthalenes	0.032	0.034	0.035	0.037
Acenaphthylene	0.00031 J	0.00033 J	0.00026 J	0.00024 J
Acenaphthene	0.0015	0.0014	0.0013	0.0014
Biphenyl	0.0084	0.0082	0.0092	0.009
Fluorene	0.01	0.01	0.0083	0.0089
C1-Fluorenes	0.018	0.019	0.016	0.017
C2-Fluorenes	0.027	0.028	0.024	0.025
C3-Fluorenes	0.031	0.03	0.025	0.027
Anthracene	0.002	0.0018	0.0013	0.0013
Phenanthrene	0.039	0.039	0.032	0.032
C1-Phenanthrenes/anthracenes	0.061	0.06	0.051	0.053
C2-Phenanthrenes/anthracenes	0.059	0.06	0.037	0.039
C3-Phenanthrenes/anthracenes	0.038	0.036	0.027	0.028
C4-Phenanthrenes/anthracenes	0.025	0.025	0.013	0.016
Dibenzothiophene	0.0042	0.0041	0.0034	0.0036
C1-Dibenzothiophenes	0.0079	0.0075	0.0052	0.0053
C2-Dibenzothiophenes	0.008	0.0078	0.0059	0.0061
C3-Dibenzothiophenes	0.0065	0.0053	0.0023	0.0038
Fluoranthene	0.0085	0.0082	0.0061	0.0067
Pyrene	0.0095	0.0094	0.0068	0.007
C1-Fluoranthenes/pyrenes	0.03	0.028	0.02	0.02
C2-Fluoranthenes/pyrenes	0.035	0.036	0.024	0.024
C3-Fluoranthenes/pyrenes	0.032	0.032	0.016	0.016
Benzo[a]anthracene	0.0036	0.0035	0.0025	0.0028
Chrysene	0.0095	0.01	0.0078	0.0084
C1-Chrysenes	0.015	0.016	0.0093	0.011
C2-Chrysenes	0.022	0.024	0.011	0.012
C3-Chrysenes	0.015	0.015	0.0083	0.008
C4-Chrysenes	0.011 I	0.012 I	0.0049	0.0051
Benzo[b]fluoranthene	0.0072	0.0072	0.0058	0.0063
Benzo[k]fluoranthene	0.00068	0.00067	0.00076	0.00076
Benzo[e]pyrene	0.0065	0.0065	0.0049	0.0055
Benzo[a]pyrene	0.0023	0.0022	0.0016	0.0018
Perylene	0.028	0.025	0.02	0.023
Indeno[1,2,3,-c,d]pyrene	0.0018	0.0018	0.0011	0.0013
Dibenzo[a,h]anthracene	0.0016	0.0015	0.00082	0.00087
Benzo[g,h,i]perylene	0.0054	0.0058	0.0039	0.0046
Total PAH	0.77	0.76	0.61	0.64
d8-Naphthalene	69	65	76	72
d10-Acenaphthene	72	71	74	72
d10-Phenanthrene	76	75	75	75
d12-Benzo[a]pyrene	75	75	67	68

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-4-F4-03-04-PHC-SC	98-4-F4-03-06-PHC-SC	98-4-F4-03-08-PHC-SC	98-4-F4-03-12-PHC-SC
Lab ID	98D2236	98D2237	98D2239	98D2241
SDG	SDGS005	SDGS005	SDGS005	SDGS005
File	DY6111.D	DY6112.D	DY6114.D	DY6116.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	19.9 g	20.7 g	21.7 g	22.5 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BW-S-23PB	BW-S-23PB	BW-S-23PB	BW-S-23PB
Field Date	6/30/1998	6/30/1998	6/30/1998	6/30/1998
Extract Date	9/29/1998	9/29/1998	9/29/1998	9/29/1998
Analysis Date	10/10/1998	10/10/1998	10/10/1998	10/11/1998
Min Reporting Limit	0.63	0.6	0.58	0.56
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.012	0.011	0.011	0.011
C1-Naphthalenes	0.037	0.034	0.034	0.034
C2-Naphthalenes	0.071	0.067	0.068	0.066
C3-Naphthalenes	0.059	0.057	0.057	0.055
C4-Naphthalenes	0.039	0.04	0.04	0.037
Acenaphthylene	0.00029 J	0.00029 J	0.00023 J	0.00029 J
Acenaphthene	0.0016	0.0014	0.0015	0.0014
Biphenyl	0.01	0.0094	0.0097	0.0094
Fluorene	0.01	0.0098	0.0098	0.0096
C1-Fluorenes	0.019	0.019	0.018	0.018
C2-Fluorenes	0.028	0.027	0.027	0.026
C3-Fluorenes	0.031	0.029	0.03	0.027
Anthracene	0.0016	0.0025	0.0015	0.0016
Phenanthrene	0.037	0.036	0.036	0.036
C1-Phenanthrenes/anthracenes	0.062	0.059	0.06	0.058
C2-Phenanthrenes/anthracenes	0.046	0.044	0.044	0.043
C3-Phenanthrenes/anthracenes	0.033	0.032	0.033	0.03
C4-Phenanthrenes/anthracenes	0.017	0.017	0.015	0.018
Dibenzothiophene	0.0041	0.0039	0.0039	0.0038
C1-Dibenzothiophenes	0.0062	0.0061	0.006	0.0059
C2-Dibenzothiophenes	0.0073	0.0069	0.0067	0.0068
C3-Dibenzothiophenes	0.004	0.0042	0.0046	0.0039
Fluoranthene	0.008	0.0075	0.0078	0.0076
Pyrene	0.0086	0.008	0.0084	0.008
C1-Fluoranthenes/pyrenes	0.026	0.023	0.024	0.023
C2-Fluoranthenes/pyrenes	0.032	0.026	0.03	0.028
C3-Fluoranthenes/pyrenes	0.021	0.019	0.019	0.018
Benzo[a]anthracene	0.0036	0.0034	0.0035	0.0031
Chrysene	0.011	0.011	0.0094	0.0091
C1-Chrysenes	0.013	0.012	0.012	0.012
C2-Chrysenes	0.014	0.013	0.014	0.013
C3-Chrysenes	0.0096	0.0093	0.0094	0.0086
C4-Chrysenes	0.0057	0.0054	0.0052	0.0053
Benzo[b]fluoranthene	0.0081	0.0075	0.0071	0.0072
Benzo[k]fluoranthene	0.0012	0.00095	0.00084	0.001
Benzo[e]pyrene	0.0065	0.0064	0.0064	0.0062
Benzo[a]pyrene	0.0022	0.0021	0.0021	0.002
Perylene	0.029	0.03	0.031	0.031
Indeno[1,2,3,-c,d]pyrene	0.0015	0.0016	0.0015	0.0015
Dibenzo[a,h]anthracene	0.0011	0.001	0.0011	0.0012
Benzo[g,h,i]perylene	0.0057	0.0053	0.0052	0.0052
Total PAH	0.74	0.71	0.71	0.69
d8-Naphthalene	74	73	71	80
d10-Acenaphthene	72	72	71	78
d10-Phenanthrene	74	75	72	76
d12-Benzo[a]pyrene	70	69	65	68

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

**Minerals Management Service - Shelikof Strait and Outermost Cook Inlet**

1997 Final Data (Surrogate Corrected) - Sediment Core - PAH

Field ID	98-4-F4-03-18-PHC-SC	98-4-F4-03-25-PHC-SC	98-4-F4-03-32-PHC-SC	98-4-F4-03-38-PHC-SC
Lab ID	98D2243	98D2245	98D2244	98D2242
SDG	SDGS005	SDGS005	SDGS005	SDGS005
File	DY6118.D	DY6121.D	DY6119.D	DY6117.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment Core	Sediment Core	Sediment Core	Sediment Core
Sample Size	22.4 g	22.4 g	23.8 g	22.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BW-S-23PB	BW-S-23PB	BW-S-23PB	BW-S-23PB
Field Date	6/30/1998	6/30/1998	6/30/1998	6/30/1998
Extract Date	9/29/1998	9/29/1998	9/29/1998	9/29/1998
Analysis Date	10/11/1998	10/11/1998	10/11/1998	10/11/1998
Min Reporting Limit	0.56	0.56	0.52	0.55
Units	ug/g	ug/g	ug/g	ug/g
<b>PAH</b>				
Naphthalene	0.01	0.01	0.01	0.0098
C1-Naphthalenes	0.033	0.031	0.032	0.031
C2-Naphthalenes	0.065	0.063	0.064	0.063
C3-Naphthalenes	0.055	0.055	0.054	0.055
C4-Naphthalenes	0.038	0.037	0.036	0.036
Acenaphthylene	0.00028 J	0.00034 J	0.00034 J	0.00033 J
Acenaphthene	0.0015	0.0015	0.0015	0.0014
Biphenyl	0.0091	0.0088	0.0092	0.0091
Fluorene	0.0096	0.0097	0.0096	0.0095
C1-Fluorenes	0.018	0.018	0.018	0.018
C2-Fluorenes	0.027	0.027	0.026	0.026
C3-Fluorenes	0.03	0.029	0.028	0.028
Anthracene	0.0016	0.0016	0.0016	0.0015
Phenanthrene	0.035	0.034	0.036	0.034
C1-Phenanthrenes/anthracenes	0.059	0.057	0.06	0.056
C2-Phenanthrenes/anthracenes	0.044	0.042	0.044	0.041
C3-Phenanthrenes/anthracenes	0.031	0.031	0.031	0.03
C4-Phenanthrenes/anthracenes	0.019	0.018	0.019	0.018
Dibenzothiophene	0.0037	0.0036	0.0038	0.0036
C1-Dibenzothiophenes	0.0059	0.0057	0.0058	0.0054
C2-Dibenzothiophenes	0.0068	0.0065	0.0064	0.006
C3-Dibenzothiophenes	0.0039	0.004	0.0037	0.0037
Fluoranthene	0.0078	0.0077	0.0072	0.0071
Pyrene	0.0084	0.0081	0.0081	0.0081
C1-Fluoranthenes/pyrenes	0.024	0.022	0.024	0.022
C2-Fluoranthenes/pyrenes	0.029	0.027	0.03	0.027
C3-Fluoranthenes/pyrenes	0.019	0.018	0.02	0.018
Benzo[a]anthracene	0.0034	0.003	0.0036	0.0027
Chrysene	0.01	0.01	0.01	0.0078
C1-Chrysenes	0.012	0.012	0.013	0.01
C2-Chrysenes	0.014	0.013	0.014	0.012
C3-Chrysenes	0.0092	0.0085	0.0098	0.0082
C4-Chrysenes	0.0055	0.005	0.0056	0.0056
Benzo[b]fluoranthene	0.0076	0.0072	0.0085	0.0057
Benzo[k]fluoranthene	0.00098	0.0011	0.0011	0.0007
Benzo[e]pyrene	0.0065	0.006	0.0071	0.0049
Benzo[a]pyrene	0.0021	0.002	0.0023	0.0017
Perylene	0.033	0.034	0.037	0.027
Indeno[1,2,3,-c,d]pyrene	0.0015	0.0014	0.0018	0.0012
Dibenzo[a,h]anthracene	0.0012	0.0011	0.0013	0.00088
Benzo[g,h,i]perylene	0.0053	0.0046	0.006	0.0038
Total PAH	0.71	0.69	0.71	0.66
d8-Naphthalene	72	65	73	72
d10-Acenaphthene	71	67	73	73
d10-Phenanthrene	72	71	72	75
d12-Benzo[a]pyrene	65	65	64	71