

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-0-F1-01-00-PHC-S	97-0-F1-02-00-PHC-S	97-0-F1-03-00-PHC-S	97-0-F2-01-00-PHC-S
Lab ID	97C1364	97C1365	97C1366	97C1247
SDG	SDGS009	SDGS009	SDGS009	SDGS007
File	DX5064.D	DX5065.D	DX5066.D	DZ2147.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	25.1 g	26.5 g	24.8 g	32.3 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BL-S-10PB	BL-S-10PB	BL-S-04PB
Field Date	7/16/1997	7/16/1997	7/16/1997	7/16/1997
Extract Date	8/8/1997	8/8/1997	8/8/1997	8/5/1997
Analysis Date	9/18/1997	9/18/1997	9/18/1997	8/29/1997
Min Reporting Limit	0.0005	0.00047	0.0005	0.00039
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0049	0.0055	0.0052	0.0042 B
C1-Naphthalenes	0.006	0.007	0.0062	0.0083 B
C2-Naphthalenes	0.014	0.015	0.015	0.016
C3-Naphthalenes	0.016	0.015	0.016	0.012
C4-Naphthalenes	0.017	0.017	0.021	0.013
Acenaphthylene	0.00043 J	0.00042 J	0.00052 J	0.0002 JB
Acenaphthene	0.0016	0.0016	0.0019	0.00023 JB
Biphenyl	0.0026	0.003	0.0026	0.0019
Fluorene	0.0053	0.0058	0.0059	0.0017
C1-Fluorenes	0.0055	0.0054	0.006	0.0027
C2-Fluorenes	0.0098	0.0093	0.012	0.0049
C3-Fluorenes	0.016	0.017	0.017	0.0071
Anthracene	0.0014	0.0016	0.002	0.00058
Phenanthrene	0.015	0.016	0.023	0.0069
C1-Phenanthrenes/anthracenes	0.019	0.018	0.021	0.011
C2-Phenanthrenes/anthracenes	0.022	0.022	0.024	0.017
C3-Phenanthrenes/anthracenes	0.025	0.011	0.012	0.0079
C4-Phenanthrenes/anthracenes	0.012	0.01	0.016	0.018
Dibenzothiophene	0.0022	0.0023	0.0026	0.00088
C1-Dibenzothiophenes	0.0038	0.0035	0.0043	0.0018
C2-Dibenzothiophenes	0.0052	0.0053	0.0051	0.0018
C3-Dibenzothiophenes	0.0046	0.004	0.0052	0.0018
Fluoranthene	0.017	0.012	0.023	0.0023
Pyrene	0.015	0.013	0.018	0.0023
C1-Fluoranthenes/pyrenes	0.017	0.014	0.016	0.0058
C2-Fluoranthenes/pyrenes	0.013	0.011	0.015	0.0067
C3-Fluoranthenes/pyrenes	0.0075	0.0072	0.0084	0.006
Benzo[a]anthracene	0.0043	0.0028	0.0039	0.0009
Chrysene	0.0076	0.0055	0.0079	0.0026
C1-Chrysenes	0.0094	0.008	0.0074	0.0041
C2-Chrysenes	0.011	0.0098	0.01	0.0049
C3-Chrysenes	0.0068	0.0073	0.01	0.004
C4-Chrysenes	0.013	0.014	0.016	0.0027
Benzo[b]fluoranthene	0.0065	0.0047	0.0059	0.0014
Benzo[k]fluoranthene	0.00097	0.00067 J	0.0012	0.00024 J
Benzo[e]pyrene	0.0068	0.0048	0.0039	0.0012
Benzo[a]pyrene	0.0018	0.0014	0.0014	0.00049
Perylene	0.093	0.078	0.076	0.013
Indeno[1,2,3,-c,d]pyrene	0.0034	0.0026	0.0019	0.00093
Dibenzo[a,h]anthracene	0.001 J	0.001	0.0007 J	0.00036 J
Benzo[g,h,i]perylene	0.024	0.022	0.012	0.0018
Total PAH	0.47	0.41	0.46	0.2
d8-Naphthalene	37 &	45	40 &	71
d10-Acenaphthene	58	57	58	75
d10-Phenanthrene	63	60	61	78
d12-Benzo[a]pyrene	41 &	50	64	82

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

Field ID	97-0-F2-02-00-PHC-S	97-0-F2-03-00-PHC-S	97-0-F4-01-00-PHC-S	97-0-F4-02-00-PHC-S
Lab ID	97C1246	97C1245	97C1345	97C1341
SDG	SDGS007	SDGS007	SDGS010	SDGS010
File	DZ2146.D	DZ2145.D	DX5090.D	DX5085.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	30.6 g	33.3 g	19.2 g	18.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BL-S-04PB	BL-S-13PB	BL-S-13PB
Field Date	7/16/1997	7/16/1997	7/15/1997	7/15/1997
Extract Date	8/5/1997	8/5/1997	8/11/1997	8/11/1997
Analysis Date	8/29/1997	8/29/1997	9/19/1997	9/19/1997
Min Reporting Limit	0.00041	0.00038	0.00065	0.00069
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0048 B	0.0036 B	0.005 B	0.0057 B
C1-Naphthalenes	0.0089 B	0.0071 B	0.0085	0.01
C2-Naphthalenes	0.018	0.013	0.023	0.026
C3-Naphthalenes	0.014	0.01	0.023	0.028
C4-Naphthalenes	0.014	0.011	0.013	0.02
Acenaphthylene	0.0007 B	0.00017 JB	0.000089 J	0.00012 J
Acenaphthene	0.0005 JB	0.00039 JB	0.00079 JB	0.00093 JB
Biphenyl	0.0022	0.0016	0.003	0.0035
Fluorene	0.0022	0.0016	0.0042	0.0052
C1-Fluorenes	0.0035	0.0025	0.0085	0.01
C2-Fluorenes	0.0059	0.0043	0.014	0.017
C3-Fluorenes	0.007	0.0059	0.017	0.022
Anthracene	0.00075	0.00054	0.00075 J	0.00085 J
Phenanthrene	0.0092	0.0062	0.012	0.014
C1-Phenanthrenes/anthracenes	0.012	0.0094	0.025	0.029
C2-Phenanthrenes/anthracenes	0.018	0.014	0.028	0.033
C3-Phenanthrenes/anthracenes	0.0085	0.01	0.018	0.018
C4-Phenanthrenes/anthracenes	0.021	0.018	0.017	0.013
Dibenzothiophene	0.0012	0.00077	0.0014	0.0017
C1-Dibenzothiophenes	0.0022	0.0015	0.0036	0.0039
C2-Dibenzothiophenes	0.0026	0.0019	0.0046	0.0047
C3-Dibenzothiophenes	0.002	0.0016	0.0036	0.0034
Fluoranthene	0.0045	0.0025	0.0024	0.0028
Pyrene	0.0041	0.0026	0.003	0.0035
C1-Fluoranthenes/pyrenes	0.007	0.0051	0.01	0.011
C2-Fluoranthenes/pyrenes	0.01	0.0058	0.015	0.017
C3-Fluoranthenes/pyrenes	0.011	0.0055	0.013	0.016
Benzo[a]anthracene	0.0011	0.0009	0.0013	0.0011
Chrysene	0.0032	0.0022	0.0044	0.0043
C1-Chrysenes	0.0055	0.0035	0.0064	0.0071
C2-Chrysenes	0.0092	0.0036	0.0078	0.0091
C3-Chrysenes	0.009	0.0035	0.0061	0.0091
C4-Chrysenes	0.005	0.0018	0.0061	0.0095
Benzo[b]fluoranthene	0.0021	0.0015	0.0022	0.0025
Benzo[k]fluoranthene	0.00039 J	0.00024 J	0.00014 J	0.0002 J
Benzo[e]pyrene	0.002	0.0013	0.002	0.0025
Benzo[a]pyrene	0.001	0.00061	0.00049 J	0.00064 J
Perylene	0.017	0.023	0.0032	0.0034
Indeno[1,2,3,-c,d]pyrene	0.0013	0.00096	0.00042 J	0.00054 J
Dibenzo[a,h]anthracene	0.00038 J	0.00039 J	0.00036 J	0.00042 J
Benzo[g,h,i]perylene	0.0025	0.0018	0.0019	0.0024
Total PAH	0.26	0.19	0.32	0.37
d8-Naphthalene	67	73	32 &	35 &
d10-Acenaphthene	74	75	53	54
d10-Phenanthrene	80	80	72	76
d12-Benzo[a]pyrene	86	79	83	85

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Field ID	97-0-F4-03-00-PHC-S	97-0-F5-01-00-PHC-S	97-0-F5-02-00-PHC-S	97-0-F5-03-00-PHC-S
Lab ID	97C1342	97C1343	97C1340	97C1344
SDG	SDGS010	SDGS010	SDGS010	SDGS010
File	DX5086.D	DX5088.D	DX5084.D	DX5089.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	20.2 g	17.6 g	16.3 g	18.2 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-13PB	BL-S-13PB	BL-S-13PB	BL-S-13PB
Field Date	7/15/1997	7/15/1997	7/15/1997	7/15/1997
Extract Date	8/11/1997	8/11/1997	8/11/1997	8/11/1997
Analysis Date	9/19/1997	9/19/1997	9/19/1997	9/19/1997
Min Reporting Limit	0.00062	0.00071	0.00077	0.00069
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0044 B	0.0063 B	0.0058 B	0.005 B
C1-Naphthalenes	0.0077	0.0067	0.0064	0.0054
C2-Naphthalenes	0.021	0.013	0.013	0.0093
C3-Naphthalenes	0.021	0.013	0.011	0.01
C4-Naphthalenes	0.018	0.012	0.0098	0.0065
Acenaphthylene	0.00012 J	0.00024 J	0.00022 J	0.00013 J
Acenaphthene	0.00083 JB	0.0008 JB	0.00074 JB	0.00061 JB
Biphenyl	0.0027	0.002	0.002	0.0015
Fluorene	0.0042	0.0021	0.0025	0.0017
C1-Fluorenes	0.0088	0.0035	0.0033	0.0018
C2-Fluorenes	0.015	0.0078	0.0065	0.0044
C3-Fluorenes	0.018	0.012	0.011	0.0068
Anthracene	0.00068 J	0.00059 JB	0.00052 JB	0.00032 JB
Phenanthrene	0.012	0.0084	0.0076	0.0054
C1-Phenanthrenes/anthracenes	0.024	0.012	0.01	0.0071
C2-Phenanthrenes/anthracenes	0.026	0.017	0.014	0.012
C3-Phenanthrenes/anthracenes	0.014	0.013	0.0084	0.0065
C4-Phenanthrenes/anthracenes	0.012	0.016	0.011	0.0046
Dibenzothiophene	0.0014	0.0012 J	0.00097 J	0.00061 J
C1-Dibenzothiophenes	0.0031	0.0017	0.0014	0.0011
C2-Dibenzothiophenes	0.0037	0.0028	0.0022	0.0015
C3-Dibenzothiophenes	0.0033	0.0034	0.002	0.0011
Fluoranthene	0.0022	0.0022	0.002	0.0015
Pyrene	0.0029	0.0026	0.0022	0.0015
C1-Fluoranthenes/pyrenes	0.0086	0.0048	0.0035	0.0034
C2-Fluoranthenes/pyrenes	0.013	0.01	0.0056	0.0042
C3-Fluoranthenes/pyrenes	0.012	0.0097	0.006	0.0039
Benzo[a]anthracene	0.0011	0.0011 J	0.00084 J	0.00075 J
Chrysene	0.0038	0.0024	0.002	0.0014
C1-Chrysenes	0.006	0.0043	0.0022	0.0016
C2-Chrysenes	0.0072	0.0065	0.0052	0.0028
C3-Chrysenes	0.0068	0.006	ND	0.0011
C4-Chrysenes	0.0063	0.0055	ND	0.0025
Benzo[b]fluoranthene	0.0022	0.0014	0.0011	0.00086
Benzo[k]fluoranthene	0.00016 J	0.00015 J	0.000091 J	0.000098 J
Benzo[e]pyrene	0.0021	0.0015	0.0011	0.00066 J
Benzo[a]pyrene	0.0005 J	0.00055 J	0.00031 J	0.00026 J
Perylene	0.0031	0.019	0.009	0.0064
Indeno[1,2,3,-c,d]pyrene	0.00048 J	0.00058 J	ND	0.00034 J
Dibenzo[a,h]anthracene	0.00037 J	0.00032 J	0.00021 J	0.00011 J
Benzo[g,h,i]perylene	0.0018	0.0014	0.0011	0.00077
Total PAH	0.3	0.23	0.17	0.13
d8-Naphthalene	36 &	27 &	36 &	34 &
d10-Acenaphthene	52	45	55	57
d10-Phenanthrene	76	58	71	80
d12-Benzo[a]pyrene	84	62	80	90

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

Field ID	97-0-F6-01-00-PHC-S	97-0-F6-02-00-PHC-S	97-0-F6-03-00-PHC-S	97-0-F8-01-00-PHC-S
Lab ID	97C1351	97C1350	97C1349	97C1347
SDG	SDGS010	SDGS010	SDGS010	SDGS010
File	DX5096.D	DX5095.D	DX5094.D	DX5092.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	19.5 g	20.7 g	20.5 g	17 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-13PB	BL-S-13PB	BL-S-13PB	BL-S-13PB
Field Date	7/15/1997	7/15/1997	7/15/1997	7/15/1997
Extract Date	8/11/1997	8/11/1997	8/11/1997	8/11/1997
Analysis Date	9/19/1997	9/19/1997	9/19/1997	9/19/1997
Min Reporting Limit	0.00064	0.0006	0.00061	0.00074
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0044 B	0.0037 B	0.0043 B	0.0053 B
C1-Naphthalenes	0.0049	0.0045	0.0047	0.0053
C2-Naphthalenes	0.009	0.0072	0.0084	0.0094
C3-Naphthalenes	0.0088	0.0065	0.0078	0.0086
C4-Naphthalenes	0.0065	0.0052	0.0069	0.0069
Acenaphthylene	0.00012 J	0.00012 J	0.00012 J	0.00015 J
Acenaphthene	0.00053 JB	0.00047 JB	0.00053 JB	0.00055 JB
Biphenyl	0.0014	0.0013	0.0013	0.0016
Fluorene	0.0016 B	0.0012 B	0.0014 B	0.0018 B
C1-Fluorenes	0.0024	0.0019	0.0021	0.0024
C2-Fluorenes	0.0051	0.0043	0.0049	0.0051
C3-Fluorenes	0.0065	0.0064	0.008	0.0088
Anthracene	0.00038 JB	0.00032 JB	0.00034 JB	0.0003 JB
Phenanthrene	0.0055	0.0047	0.0058	0.006
C1-Phenanthrenes/anthracenes	0.0076	0.0066	0.0073	0.0078
C2-Phenanthrenes/anthracenes	0.011	0.011	0.0097	0.012
C3-Phenanthrenes/anthracenes	0.0065	0.0083	0.0066	0.0072
C4-Phenanthrenes/anthracenes	0.0094	0.014	0.0081	0.0097
Dibenzothiophene	0.0007 J	0.00055 J	0.00067 J	0.00071 J
C1-Dibenzothiophenes	0.0012	0.00094	0.00093	0.0012
C2-Dibenzothiophenes	0.0015	0.0011	0.0016	0.0017
C3-Dibenzothiophenes	0.0013	0.0017	0.001	0.0012
Fluoranthene	0.0014	0.0014	0.0015	0.0017
Pyrene	0.0015	0.0014	0.0016	0.0017
C1-Fluoranthenes/pyrenes	0.0031	0.0029	0.003	0.003
C2-Fluoranthenes/pyrenes	0.0044	0.0039	0.0041	0.0043
C3-Fluoranthenes/pyrenes	0.0034	0.0031	0.0033	0.0042
Benzo[a]anthracene	0.00076 J	0.00055 J	0.00066 J	0.00069 J
Chrysene	0.0015	0.0013	0.0013	0.0018
C1-Chrysenes	0.002	0.0017	0.002	0.0017
C2-Chrysenes	0.0028	0.0025	0.0027	0.0026
C3-Chrysenes	0.0011	0.0011	0.0013	0.0012
C4-Chrysenes	0.0018	0.0016	0.0015	0.0022
Benzo[b]fluoranthene	0.00089 J	0.00082	0.00092	0.00097 J
Benzo[k]fluoranthene	0.00012 J	0.000075 J	0.000074 J	0.00009 J
Benzo[e]pyrene	0.00086	0.00073 J	0.00086	0.00094
Benzo[a]pyrene	0.00044 J	0.00046 J	0.00049 J	0.00052 J
Perylene	0.0086	0.0054	0.0073	0.0066
Indeno[1,2,3,-c,d]pyrene	0.00027 J	0.00028 J	0.0003 J	0.00027 J
Dibenzo[a,h]anthracene	0.00015 J	0.00015 J	0.00015 J	0.00016 J
Benzo[g,h,i]perylene	0.00075 J	0.00078	0.00081	0.00087 J
Total PAH	0.13	0.12	0.13	0.14
d8-Naphthalene	27 &	38 &	30 &	30 &
d10-Acenaphthene	49	58	51	51
d10-Phenanthrene	71	77	73	72
d12-Benzo[a]pyrene	81	79	77	79

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Field ID	97-0-F8-02-00-PHC-S	97-0-F8-03-00-PHC-S	97-0-F13-01-00-PHC-S	97-0-F13-02-00-PHC-S
Lab ID	97C1346	97C1348	97C1357	97C1356
SDG	SDGS010	SDGS010	SDGS008	SDGS008
File	DX5091.D	DX5093.D	DZ2200.D	DZ2199.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	18.6 g	19.7 g	18.2 g	21.9 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-13PB	BL-S-13PB	BL-S-07PB	BL-S-07PB
Field Date	7/15/1997	7/15/1997	7/16/1997	7/16/1997
Extract Date	8/11/1997	8/11/1997	8/6/1997	8/6/1997
Analysis Date	9/19/1997	9/19/1997	9/1/1997	9/1/1997
Min Reporting Limit	0.00067	0.00063	0.00069	0.00057
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0047 B	0.0052 B	0.0048 B	0.0042 B
C1-Naphthalenes	0.0058	0.0046	0.0083	0.0084
C2-Naphthalenes	0.01	0.0079	0.018	0.015
C3-Naphthalenes	0.0083	0.0077	0.014	0.013
C4-Naphthalenes	0.0069	0.004	0.018	0.012
Acenaphthylene	0.00012 J	0.00014 J	0.00025 J	0.00015 J
Acenaphthene	0.00063 JB	0.00054 JB	0.00075 JB	0.00043 JB
Biphenyl	0.0017	0.0013	0.0027	0.0022 B
Fluorene	0.0017 B	0.0015 B	0.0027	0.0024
C1-Fluorenes	0.0023	0.0023	0.0039	0.0034
C2-Fluorenes	0.0054	0.0048	0.0069	0.0059
C3-Fluorenes	0.0092	0.0069	0.01	0.0078
Anthracene	0.00039 JB	0.00036 JB	0.001	0.00077 J
Phenanthrene	0.0061	0.0053	0.01	0.0086
C1-Phenanthrenes/anthracenes	0.0085	0.0073	0.015	0.014
C2-Phenanthrenes/anthracenes	0.012	0.011	0.02	0.018
C3-Phenanthrenes/anthracenes	0.0074	0.0066	0.0097	0.0088
C4-Phenanthrenes/anthracenes	0.011	0.0091	0.042	0.02
Dibenzothiophene	0.00075 J	0.00061 J	0.0013	0.0011
C1-Dibenzothiophenes	0.0012	0.00099	0.0031	0.0023
C2-Dibenzothiophenes	0.0017	0.0014	0.0034	0.0027
C3-Dibenzothiophenes	0.0014	0.0013	0.0027	0.002
Fluoranthene	0.0015	0.0013	0.0062	0.0043
Pyrene	0.0017	0.0014	0.008	0.0046
C1-Fluoranthenes/pyrenes	0.0032	0.0027	0.01	0.0073
C2-Fluoranthenes/pyrenes	0.0042	0.0042	0.0093	0.0077
C3-Fluoranthenes/pyrenes	0.004	0.0035	0.0079	0.0071
Benzo[a]anthracene	0.00065 J	0.00053 J	0.0018	0.0013
Chrysene	0.0015	0.0013	0.0039	0.0029
C1-Chrysenes	0.0022	0.0016	0.0062	0.0046
C2-Chrysenes	0.0026	0.0026	0.006	0.0051
C3-Chrysenes	0.0012	0.0011	0.0053	0.0041
C4-Chrysenes	0.0022	0.0018	0.0045	0.0023
Benzo[b]fluoranthene	0.001	0.00086	0.0031	0.002
Benzo[k]fluoranthene	0.000078 J	0.000068 J	0.00049 J	0.00037 J
Benzo[e]pyrene	0.00097	0.00069 J	0.0031	0.0024
Benzo[a]pyrene	0.00028 J	0.00042 J	0.0014	0.00088 J
Perylene	0.0075	0.0059	0.06	0.027
Indeno[1,2,3,-c,d]pyrene	0.00033 J	0.00028 J	0.0015	0.0012
Dibenzo[a,h]anthracene	0.00016 J	0.00015 J	0.00045 J	0.00025 J
Benzo[g,h,i]perylene	0.00092	0.00076	0.0087	0.0059
Total PAH	0.14	0.12	0.35	0.24
d8-Naphthalene	36 &	29 &	64	64
d10-Acenaphthene	52	52	67	68
d10-Phenanthrene	72	77	71	70
d12-Benzo[a]pyrene	76	90	55	59

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-0-F13-03-00-PHC-S	97-0-F14-01-00-PHC-S	97-0-F14-02-00-PHC-S	97-0-F14-03-00-PHC-S
Lab ID	97C1355	97C1352	97C1354	97C1353
SDG	SDGS008	SDGS008	SDGS008	SDGS008
File	DZ2197.D	DZ2194.D	DZ2196.D	DZ2195.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	27.9 g	16.3 g	17.3 g	20.6 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-07PB	BL-S-07PB	BL-S-07PB	BL-S-07PB
Field Date	7/16/1997	7/16/1997	7/16/1997	7/16/1997
Extract Date	8/6/1997	8/6/1997	8/6/1997	8/6/1997
Analysis Date	9/1/1997	9/1/1997	9/1/1997	9/1/1997
Min Reporting Limit	0.00045	0.00077	0.00072	0.00061
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0038 B	0.0066 B	0.0052 B	0.0061 B
C1-Naphthalenes	0.007	0.014	0.0097	0.012
C2-Naphthalenes	0.014	0.029	0.021	0.027
C3-Naphthalenes	0.012	0.026	0.018	0.025
C4-Naphthalenes	0.011	0.022	0.015	0.022
Acenaphthylene	0.00011 J	0.00032 J	0.00034 J	0.00077 J
Acenaphthene	0.00043 JB	0.0012	0.00098 JB	0.0012 B
Biphenyl	0.0022 B	0.0051	0.0037	0.0048
Fluorene	0.0022	0.0068	0.0051	0.0067
C1-Fluorenes	0.0031	0.01	0.0063	0.0087
C2-Fluorenes	0.0053	0.013	0.01	0.014
C3-Fluorenes	0.0066	0.017	0.014	0.018
Anthracene	0.00056 J	0.0023	0.0014	0.0021
Phenanthrene	0.0079	0.02	0.015	0.018
C1-Phenanthrenes/anthracenes	0.013	0.033	0.025	0.032
C2-Phenanthrenes/anthracenes	0.017	0.033	0.025	0.034
C3-Phenanthrenes/anthracenes	0.0082	0.016	0.011	0.017
C4-Phenanthrenes/anthracenes	0.018	0.032	0.023	0.032
Dibenzothiophene	0.001	0.0029	0.0022	0.0028
C1-Dibenzothiophenes	0.002	0.0052	0.0036	0.0057
C2-Dibenzothiophenes	0.0024	0.006	0.0044	0.006
C3-Dibenzothiophenes	0.0018	0.0041	0.0036	0.0051
Fluoranthene	0.0037	0.012	0.0085	0.012
Pyrene	0.0039	0.014	0.01	0.015
C1-Fluoranthenes/pyrenes	0.0066	0.019	0.013	0.02
C2-Fluoranthenes/pyrenes	0.0079	0.019	0.014	0.018
C3-Fluoranthenes/pyrenes	0.0066	0.016	0.012	0.015
Benzo[a]anthracene	0.001	0.0036	0.0023	0.0038
Chrysene	0.0025	0.0088	0.0052	0.0082
C1-Chrysenes	0.0042	0.01	0.0075	0.011
C2-Chrysenes	0.0053	0.012	0.0088	0.013
C3-Chrysenes	0.0032	0.0089	0.0066	0.0069
C4-Chrysenes	0.0032	0.0097	0.0066	0.0077
Benzo[b]fluoranthene	0.0018	0.0056	0.0042	0.0062
Benzo[k]fluoranthene	0.00028 J	0.0011	0.0006 J	0.0011
Benzo[e]pyrene	0.0018	0.0057	0.0041	0.0058
Benzo[a]pyrene	0.00066 J	0.0021	0.0015	0.0031
Perylene	0.026	0.069	0.048	0.065
Indeno[1,2,3,-c,d]pyrene	0.00085	0.0025	0.0018	0.003
Dibenzo[a,h]anthracene	0.00025 J	0.00075 J	0.00044 J	0.00082 J
Benzo[g,h,i]perylene	0.0051	0.018	0.014	0.018
Total PAH	0.22	0.54	0.39	0.53
d8-Naphthalene	64	67	62	57
d10-Acenaphthene	68	69	67	60
d10-Phenanthrene	71	73	73	65
d12-Benzo[a]pyrene	65	61	66	57

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-01-01-00-PHC-S	97-1-F1-01-00-PHC-S	97-1-F1-02-00-PHC-S	97-1-F1-03-00-PHC-S
Lab ID	97C1302	97C1287RE	97C1281RE	97C1280RE
SDG	SDGS007	SDGS006	SDGS006	SDGS006
File	DZ2151.D	DX6426.D	DX6419.D	DX6418.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	29.8 g	16.9 g	16.2 g	17.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BO-S-32PB	BO-S-32PB	BO-S-32PB
Field Date	7/14/1997	7/13/1997	7/13/1997	7/13/1997
Extract Date	8/5/1997	12/17/1997	12/17/1997	12/17/1997
Analysis Date	8/29/1997	12/31/1997	12/31/1997	12/31/1997
Min Reporting Limit	0.00042	0.00074	0.00077	0.0007
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0045 B	0.0078	0.0088	0.0084
C1-Naphthalenes	0.012	0.021	0.025	0.023
C2-Naphthalenes	0.027	0.048	0.057	0.053
C3-Naphthalenes	0.023	0.042	0.048	0.046
C4-Naphthalenes	0.017	0.024	0.027	0.028
Acenaphthylene	0.00013 JB	0.0001 J	0.00017 J	0.00015 J
Acenaphthene	0.00056 B	0.00073 J	0.001	0.00085 J
Biphenyl	0.0033	0.0058	0.0067	0.0061
Fluorene	0.0037	0.0053	0.0063	0.0056
C1-Fluorenes	0.0071	0.0095	0.012	0.011
C2-Fluorenes	0.01	0.017	0.018	0.018
C3-Fluorenes	0.013	0.015	0.017	0.016
Anthracene	0.0006	0.00088	0.00095	0.00089
Phenanthrene	0.014	0.02	0.024	0.021
C1-Phenanthrenes/anthracenes	0.023	0.036	0.041	0.036
C2-Phenanthrenes/anthracenes	0.023	0.039	0.046	0.041
C3-Phenanthrenes/anthracenes	0.015	0.022	0.026	0.023
C4-Phenanthrenes/anthracenes	0.014	0.019	0.019	0.021
Dibenzothiophene	0.0016	0.0022	0.0027	0.0024
C1-Dibenzothiophenes	0.0032	0.005	0.0053	0.0057
C2-Dibenzothiophenes	0.0036	0.0054	0.0056	0.0051
C3-Dibenzothiophenes	0.0026	0.0036	0.0038	0.0036
Fluoranthene	0.0027	0.0036	0.0042	0.0043
Pyrene	0.003	0.0045	0.0049	0.0048
C1-Fluoranthenes/pyrenes	0.0094	0.014	0.016	0.015
C2-Fluoranthenes/pyrenes	0.012	0.02	0.021	0.021
C3-Fluoranthenes/pyrenes	0.011	0.018	0.018	0.016
Benzo[a]anthracene	0.0011	0.0018	0.0015	0.0024
Chrysene	0.0041	0.0058	0.0062	0.0063
C1-Chrysenes	0.0057	0.0099	0.01	0.0094
C2-Chrysenes	0.007	0.012	0.012	0.011
C3-Chrysenes	0.0064	0.0076	0.0085	0.0074
C4-Chrysenes	0.0044	0.005	0.0056	0.0044
Benzo[b]fluoranthene	0.0021	0.0039	0.0041	0.0038
Benzo[k]fluoranthene	0.00022 J	0.00042 J	0.00053 J	0.00043 J
Benzo[e]pyrene	0.002	0.0038	0.0038	0.0036
Benzo[a]pyrene	0.00057	0.00087 J	0.00099	0.0011
Perylene	0.0045	0.0096	0.0095	0.0093
Indeno[1,2,3,-c,d]pyrene	0.00048 J	0.0012	0.0012	0.0012
Dibenzo[a,h]anthracene	0.00036 J	0.00075 J	0.0007 J	0.00069 J
Benzo[g,h,i]perylene	0.0019	0.0034	0.0036	0.0036
Total PAH	0.3	0.47	0.53	0.5
d8-Naphthalene	71	79	75	74
d10-Acenaphthene	75	84	81	79
d10-Phenanthrene	81	85	85	82
d12-Benzo[a]pyrene	84	79	88	82

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-02-01-00-PHC-S	97-1-F2-01-00-PHC-S	97-1-F2-02-00-PHC-S	97-1-F2-03-00-PHC-S
Lab ID	97C1297RE	97C1300	97C1303	97C1294RE
SDG	SDGS006	SDGS007	SDGS007	SDGS006
File	DX6435.D	DZ2148.D	DZ2152.D	DX6432.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	19.1 g	20.7 g	20.2 g	14.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BO-S-32PB	BL-S-04PB	BL-S-04PB	BO-S-32PB
Field Date	7/14/1997	7/14/1997	7/14/1997	7/14/1997
Extract Date	12/17/1997	8/5/1997	8/5/1997	12/17/1997
Analysis Date	12/31/1997	8/29/1997	8/29/1997	12/31/1997
Min Reporting Limit	0.00065	0.0006	0.00062	0.00084
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0061	0.0099	0.01	0.013
C1-Naphthalenes	0.015	0.033	0.032	0.04
C2-Naphthalenes	0.032	0.071	0.069	0.096
C3-Naphthalenes	0.028	0.059	0.056	0.092
C4-Naphthalenes	0.016	0.034	0.039	0.062
Acenaphthylene	0.000058 J	0.00073 JB	0.00043 JB	0.000062 J
Acenaphthene	0.00068 J	0.0015	0.0016	0.0015
Biphenyl	0.004	0.0088	0.0091	0.012
Fluorene	0.0038	0.01	0.01	0.012
C1-Fluorenes	0.0061	0.019	0.019	0.024
C2-Fluorenes	0.011	0.026	0.025	0.038
C3-Fluorenes	0.011	0.027	0.027	0.04
Anthracene	0.002	0.0014	0.0011	0.0022
Phenanthrene	0.014	0.034	0.033	0.044
C1-Phenanthrenes/anthracenes	0.024	0.057	0.054	0.081
C2-Phenanthrenes/anthracenes	0.026	0.051	0.048	0.079
C3-Phenanthrenes/anthracenes	0.014	0.028	0.027	0.046
C4-Phenanthrenes/anthracenes	0.011	0.026	0.023	0.029
Dibenzothiophene	0.0016	0.0042	0.004	0.0054
C1-Dibenzothiophenes	0.0035	0.0078	0.0069	0.0097
C2-Dibenzothiophenes	0.0029	0.0081	0.0074	0.0092
C3-Dibenzothiophenes	0.0023	0.0055	0.0052	0.0069
Fluoranthene	0.0025	0.0061	0.0062	0.0074
Pyrene	0.003	0.0075	0.007	0.0091
C1-Fluoranthenes/pyrenes	0.0093	0.023	0.021	0.032
C2-Fluoranthenes/pyrenes	0.012	0.026	0.023	0.038
C3-Fluoranthenes/pyrenes	0.0092	0.023	0.021	0.032
Benzo[a]anthracene	0.0012	0.0023	0.0021	0.0036
Chrysene	0.004	0.009	0.0084	0.012
C1-Chrysenes	0.0054	0.013	0.011	0.019
C2-Chrysenes	0.0066	0.014	0.012	0.022
C3-Chrysenes	0.0045	0.011	0.011	0.014
C4-Chrysenes	0.0028	0.0078	0.0077	0.0088
Benzo[b]fluoranthene	0.0019	0.0042	0.004	0.0074
Benzo[k]fluoranthene	0.00018 J	0.00035 J	0.00044 J	0.00047 J
Benzo[e]pyrene	0.002	0.0039	0.0037	0.0082
Benzo[a]pyrene	0.00053 J	0.00096	0.00098	0.0022
Perylene	0.0043	0.0077	0.0064	0.01
Indeno[1,2,3,-c,d]pyrene	0.00044 J	0.00078	0.00072	0.0019
Dibenzo[a,h]anthracene	0.00037 J	0.00057 J	0.0005 J	0.0017
Benzo[g,h,i]perylene	0.0015	0.003	0.0028	0.0082
Total PAH	0.31	0.69	0.66	0.98
d8-Naphthalene	77	73	70	63
d10-Acenaphthene	80	73	75	72
d10-Phenanthrene	83	77	81	78
d12-Benzo[a]pyrene	81	82	86	63

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-03-01-00-PHC-S	97-1-04-01-00-PHC-S	97-1-05-01-00-PHC-S	97-1-06-01-00-PHC-S
Lab ID	97C1243REX	97C1298RE	97C1301	97C1323
SDG	SDGS007	SDGS006	SDGS007	SDGS009
File	DZ2144.D	DX6436.D	DZ2149.D	DX5052.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	30.9 g	18.6 g	32.4 g	26.3 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BO-S-32PB	BL-S-04PB	BL-S-10PB
Field Date	7/14/1997	7/14/1997	7/14/1997	7/13/1997
Extract Date	8/5/1997	12/17/1997	8/5/1997	8/8/1997
Analysis Date	8/29/1997	12/31/1997	8/29/1997	9/17/1997
Min Reporting Limit	0.0004	0.00067	0.00038	0.00048
Units	ug/g	ug/g	ug/g	ug/g

PAH				
Naphthalene	0.0035 B	0.0056	0.0036 B	0.0093
C1-Naphthalenes	0.0089 B	0.0099	0.0076 B	0.021
C2-Naphthalenes	0.02	0.017	0.015	0.047
C3-Naphthalenes	0.018	0.014	0.012	0.046
C4-Naphthalenes	0.014	0.0084	0.011	0.03
Acenaphthylene	0.000078 JB	0.00012 J	0.00022 JB	0.0001 J
Acenaphthene	0.00051 B	0.00041 J	0.00038 JB	0.0012
Biphenyl	0.0025	0.003	0.0021	0.0063
Fluorene	0.0029	0.0018	0.0019	0.0075
C1-Fluorenes	0.0056	0.0025	0.0036	0.015
C2-Fluorenes	0.0082	0.0049	0.0058	0.023
C3-Fluorenes	0.01	0.0071	0.0076	0.026
Anthracene	0.00042 JB	0.00038 J	0.0003 JB	0.0014
Phenanthrene	0.01	0.0081	0.0077	0.024
C1-Phenanthrenes/anthracenes	0.017	0.011	0.012	0.045
C2-Phenanthrenes/anthracenes	0.017	0.013	0.014	0.052
C3-Phenanthrenes/anthracenes	0.011	0.0077	0.0085	0.032
C4-Phenanthrenes/anthracenes	0.011	0.0078	0.01	0.03
Dibenzothiophene	0.0013	0.001	0.00094	0.0029
C1-Dibenzothiophenes	0.0025	0.002	0.0019	0.0061
C2-Dibenzothiophenes	0.0028	0.0017	0.0022	0.0073
C3-Dibenzothiophenes	0.0021	0.0012	0.0016	0.0056
Fluoranthene	0.0022	0.002	0.0018	0.0045
Pyrene	0.0024	0.0022	0.0019	0.0053
C1-Fluoranthenes/pyrenes	0.0072	0.005	0.005	0.018
C2-Fluoranthenes/pyrenes	0.0094	0.0058	0.0066	0.027
C3-Fluoranthenes/pyrenes	0.0089	0.0042	0.0059	0.024
Benzo[a]anthracene	0.00084	0.00068 J	0.00057	0.0026
Chrysene	0.0028	0.0019	0.0022	0.007
C1-Chrysenes	0.0048	0.0027	0.0032	0.012
C2-Chrysenes	0.0065	0.0029	0.0042	0.018
C3-Chrysenes	0.0049	0.0011	0.0032	0.015
C4-Chrysenes	0.0025	0.0015	0.0022	0.015
Benzo[b]fluoranthene	0.0016	0.0013	0.0012	0.0045
Benzo[k]fluoranthene	0.00016 J	0.00017 J	0.00011 J	0.00023 J
Benzo[e]pyrene	0.0016	0.0016	0.0013	0.0041
Benzo[a]pyrene	0.00046	0.00047 J	0.00035 J	0.0011
Perylene	0.0047	0.0084	0.0063	0.01
Indeno[1,2,3,-c,d]pyrene	0.00048	0.00048 J	0.00042 J	0.0012
Dibenzo[a,h]anthracene	0.00034 J	0.00023 J	0.00022 J	0.001
Benzo[g,h,i]perylene	0.0018	0.0018	0.002	0.0049

Total PAH	0.23	0.17	0.18	0.61
d8-Naphthalene	72	70	67	46
d10-Acenaphthene	79	77	72	57
d10-Phenanthrene	86	78	80	66
d12-Benzo[a]pyrene	90	62	76	71

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-07-01-00-PHC-S	97-1-08-01-00-PHC-S	97-1-09-01-00-PHC-S	97-1-12-01-00-PHC-S
Lab ID	97C1282RE	97C1295RE	97C1296RE	97C1292RE
SDG	SDGS006	SDGS006	SDGS006	SDGS006
File	DX6420.D	DX6433.D	DX6434.D	DX6431.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	17.2 g	16.7 g	16 g	18.3 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BO-S-32PB	BO-S-32PB	BO-S-32PB	BO-S-32PB
Field Date	7/14/1997	7/14/1997	7/14/1997	7/14/1997
Extract Date	12/17/1997	12/17/1997	12/17/1997	12/17/1997
Analysis Date	12/31/1997	12/31/1997	12/31/1997	12/31/1997
Min Reporting Limit	0.00073	0.00075	0.00078	0.00068
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0065	0.01	0.01	0.0064
C1-Naphthalenes	0.015	0.029	0.036	0.012
C2-Naphthalenes	0.029	0.063	0.079	0.024
C3-Naphthalenes	0.025	0.058	0.07	0.022
C4-Naphthalenes	0.014	0.032	0.038	0.012
Acenaphthylene	0.000096 J	0.00012 J	0.00015 J	0.00015 J
Acenaphthene	0.00068 J	0.0011	0.0014	0.00052 J
Biphenyl	0.0039	0.0079	0.0095	0.0035
Fluorene	0.0032	0.0075	0.0093	0.0026
C1-Fluorenes	0.0051	0.016	0.019	0.0042
C2-Fluorenes	0.0092	0.022	0.028	0.0085
C3-Fluorenes	0.0094	0.024	0.027	0.0091
Anthracene	0.00058 J	0.0011	0.0019	0.00048 J
Phenanthrene	0.013	0.029	0.034	0.012
C1-Phenanthrenes/anthracenes	0.02	0.05	0.058	0.018
C2-Phenanthrenes/anthracenes	0.023	0.05	0.062	0.02
C3-Phenanthrenes/anthracenes	0.013	0.029	0.034	0.011
C4-Phenanthrenes/anthracenes	0.012	0.021	0.022	0.01
Dibenzothiophene	0.0016	0.0035	0.0044	0.0016
C1-Dibenzothiophenes	0.0029	0.0061	0.0078	0.0021
C2-Dibenzothiophenes	0.0032	0.0061	0.0067	0.0025
C3-Dibenzothiophenes	0.0019	0.0042	0.0049	0.0023
Fluoranthene	0.0026	0.005	0.0061	0.0026
Pyrene	0.0031	0.0061	0.0076	0.0032
C1-Fluoranthenes/pyrenes	0.0082	0.02	0.023	0.0072
C2-Fluoranthenes/pyrenes	0.01	0.025	0.032	0.0091
C3-Fluoranthenes/pyrenes	0.0084	0.02	0.023	0.0071
Benzo[a]anthracene	0.001	0.0024	0.0032	0.0011
Chrysene	0.0035	0.008	0.0093	0.0032
C1-Chrysenes	0.0048	0.012	0.015	0.0042
C2-Chrysenes	0.006	0.015	0.017	0.0061
C3-Chrysenes	0.0041	0.0098	0.01	0.0033
C4-Chrysenes	0.0028	0.0085	0.0063	0.0058
Benzo[b]fluoranthene	0.002	0.0046	0.0056	0.0021
Benzo[k]fluoranthene	0.0003 J	0.00041 J	0.00041 J	0.00049 J
Benzo[e]pyrene	0.0021	0.0042	0.0045	0.0019
Benzo[a]pyrene	0.00059 J	0.0012	0.0016	0.00063 J
Perylene	0.0079	0.0081	0.0076	0.0093
Indeno[1,2,3,-c,d]pyrene	0.00068 J	0.00096	0.0011	0.00059 J
Dibenzo[a,h]anthracene	0.00039 J	0.0009 J	0.00095 J	0.00031 J
Benzo[g,h,i]perylene	0.0025	0.0039	0.0045	0.0024
Total PAH	0.28	0.63	0.74	0.26
d8-Naphthalene	72	69	76	70
d10-Acenaphthene	80	76	78	79
d10-Phenanthrene	83	80	82	79
d12-Benzo[a]pyrene	80	79	80	75

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-13-01-00-PHC-S	97-1-14-01-00-PHC-S	97-1-15-01-00-PHC-S	97-1-15-02-00-PHC-S
Lab ID	97C1324	97C1283RE	97C1285RE	97C1290RE
SDG	SDGS009	SDGS006	SDGS006	SDGS006
File	DX5053.D	DX6421.D	DX6423.D	DX6429.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	22.9 g	16.3 g	17.5 g	19 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BO-S-32PB	BO-S-32PB	BO-S-32PB
Field Date	7/13/1997	7/14/1997	7/13/1997	7/13/1997
Extract Date	8/8/1997	12/17/1997	12/17/1997	12/17/1997
Analysis Date	9/17/1997	12/31/1997	12/31/1997	12/31/1997
Min Reporting Limit	0.00055	0.00077	0.00071	0.00066
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.014	0.0073	0.006	0.006
C1-Naphthalenes	0.033	0.013	0.014	0.013
C2-Naphthalenes	0.08	0.029	0.029	0.028
C3-Naphthalenes	0.081	0.024	0.026	0.024
C4-Naphthalenes	0.056	0.016	0.015	0.014
Acenaphthylene	0.00013 J	0.00019 J	0.000081 J	0.000069 J
Acenaphthene	0.0019	0.00063 J	0.00056 J	0.00059 J
Biphenyl	0.01	0.0041	0.004	0.004
Fluorene	0.013	0.0031	0.0033	0.0032
C1-Fluorenes	0.026	0.0049	0.0057	0.0054
C2-Fluorenes	0.041	0.0083	0.0097	0.0088
C3-Fluorenes	0.044	0.0099	0.009	0.01
Anthracene	0.0023	0.00054 J	0.0006 J	0.00041 J
Phenanthrene	0.043	0.012	0.012	0.012
C1-Phenanthrenes/anthracenes	0.082	0.019	0.022	0.02
C2-Phenanthrenes/anthracenes	0.085	0.022	0.025	0.022
C3-Phenanthrenes/anthracenes	0.053	0.013	0.014	0.012
C4-Phenanthrenes/anthracenes	0.057	0.012	0.011	0.011
Dibenzothiophene	0.0057	0.0015	0.0015	0.0015
C1-Dibenzothiophenes	0.01	0.0034	0.0031	0.0032
C2-Dibenzothiophenes	0.013	0.0033	0.0031	0.0031
C3-Dibenzothiophenes	0.01	0.0024	0.0022	0.0022
Fluoranthene	0.0077	0.0028	0.0025	0.0022
Pyrene	0.0097	0.003	0.0028	0.0025
C1-Fluoranthenes/pyrenes	0.032	0.01	0.0089	0.0086
C2-Fluoranthenes/pyrenes	0.043	0.0096	0.011	0.011
C3-Fluoranthenes/pyrenes	0.045	0.0078	0.009	0.0091
Benzo[a]anthracene	0.0043	0.0013	0.00097	0.0012
Chrysene	0.013	0.0034	0.0035	0.0033
C1-Chrysenes	0.025	0.0044	0.0052	0.0048
C2-Chrysenes	0.033	0.0056	0.0073	0.0059
C3-Chrysenes	0.028	0.0043	0.0028	0.0042
C4-Chrysenes	0.032	0.0034	0.0035	0.0038
Benzo[b]fluoranthene	0.0085	0.0023	0.002	0.002
Benzo[k]fluoranthene	0.00063 J	0.00029 J	0.0002 J	0.00016 J
Benzo[e]pyrene	0.0074	0.0026	0.002	0.0023
Benzo[a]pyrene	0.0021	0.00073 J	0.00055 J	0.00056 J
Perylene	0.015	0.0092	0.0065	0.0061
Indeno[1,2,3,-c,d]pyrene	0.0021	0.00079 J	0.00055 J	0.00078 J
Dibenzo[a,h]anthracene	0.0018	0.00036 J	0.00033 J	0.00036 J
Benzo[g,h,i]perylene	0.0089	0.0041	0.0023	0.0022
Total PAH	1.1	0.28	0.29	0.28
d8-Naphthalene	36 &	67	72	72
d10-Acenaphthene	54	75	79	78
d10-Phenanthrene	60	79	81	81
d12-Benzo[a]pyrene	65	66	84	64

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-15-03-00-PHC-S	97-1-15-04-00-PHC-S	97-1-15-05-00-PHC-S	97-1-15-06-00-PHC-S
Lab ID	97C1291RE	97C1289RE	97C1288RE	97C1286RE
SDG	SDGS006	SDGS006	SDGS006	SDGS006
File	DX6430.D	DX6428.D	DX6427.D	DX6425.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	18.2 g	18.5 g	19.9 g	18.6 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BO-S-32PB	BO-S-32PB	BO-S-32PB	BO-S-32PB
Field Date	7/13/1997	7/13/1997	7/13/1997	7/13/1997
Extract Date	12/17/1997	12/17/1997	12/17/1997	12/17/1997
Analysis Date	12/31/1997	12/31/1997	12/31/1997	12/31/1997
Min Reporting Limit	0.00069	0.00068	0.00063	0.00067
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0066	0.0061	0.0066	0.006
C1-Naphthalenes	0.017	0.015	0.016	0.015
C2-Naphthalenes	0.036	0.031	0.035	0.032
C3-Naphthalenes	0.03	0.028	0.029	0.026
C4-Naphthalenes	0.019	0.016	0.018	0.015
Acenaphthylene	0.000091 J	0.00012 J	0.000094 J	0.00011 J
Acenaphthene	0.00062 J	0.00059 J	0.00059 J	0.00054 J
Biphenyl	0.0043	0.0041	0.0046	0.004
Fluorene	0.0039	0.0034	0.0039	0.0035
C1-Fluorenes	0.0079	0.006	0.0067	0.0055
C2-Fluorenes	0.012	0.0096	0.012	0.01
C3-Fluorenes	0.012	0.01	0.012	0.011
Anthracene	0.0007 J	0.00056 J	0.00072 J	0.00047 J
Phenanthrene	0.015	0.013	0.016	0.014
C1-Phenanthrenes/anthracenes	0.026	0.023	0.028	0.022
C2-Phenanthrenes/anthracenes	0.028	0.027	0.029	0.023
C3-Phenanthrenes/anthracenes	0.016	0.015	0.017	0.014
C4-Phenanthrenes/anthracenes	0.015	0.012	0.014	0.012
Dibenzothiophene	0.0019	0.0016	0.0019	0.0016
C1-Dibenzothiophenes	0.0035	0.0034	0.0041	0.0032
C2-Dibenzothiophenes	0.0036	0.003	0.004	0.0035
C3-Dibenzothiophenes	0.0027	0.0024	0.0029	0.0022
Fluoranthene	0.003	0.0028	0.0031	0.0027
Pyrene	0.0035	0.0032	0.0036	0.003
C1-Fluoranthenes/pyrenes	0.01	0.0093	0.011	0.0094
C2-Fluoranthenes/pyrenes	0.014	0.012	0.015	0.011
C3-Fluoranthenes/pyrenes	0.011	0.0089	0.012	0.0089
Benzo[a]anthracene	0.0014	0.0013	0.0017	0.0011
Chrysene	0.0047	0.0041	0.0048	0.0036
C1-Chrysenes	0.0067	0.0055	0.0069	0.0057
C2-Chrysenes	0.0083	0.0078	0.0082	0.0063
C3-Chrysenes	0.0058	0.0051	0.0055	0.0041
C4-Chrysenes	0.0037	0.005	0.0042	0.0028
Benzo[b]fluoranthene	0.0027	0.0024	0.003	0.0022
Benzo[k]fluoranthene	0.00031 J	0.0002 J	0.00027 J	0.00032 J
Benzo[e]pyrene	0.0026	0.0024	0.0027	0.0032
Benzo[a]pyrene	0.00066 J	0.00069 J	0.00073	0.00066 J
Perylene	0.0079	0.0065	0.0082	0.0085
Indeno[1,2,3,-c,d]pyrene	0.00092	0.00075 J	0.00075	0.00087 J
Dibenzo[a,h]anthracene	0.00045 J	0.00036 J	0.0005 J	0.00053 J
Benzo[g,h,i]perylene	0.0031	0.0025	0.0032	0.0034
Total PAH	0.35	0.31	0.36	0.3
d8-Naphthalene	68	72	77	73
d10-Acenaphthene	77	80	85	78
d10-Phenanthrene	81	82	86	81
d12-Benzo[a]pyrene	76	80	88	53

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-1-15-07-00-PHC-S	97-1-18-01-00-PHC-S	97-1-20-01-00-PHC-S	97-2-01-01-00-PHC-S
Lab ID	97C1284RE	97C1299RE	97C1264	97C1420
SDG	SDGS006	SDGS006	SDGS008	SDGS003
File	DX6422.D	DX6438.D	DZ2190.D	DZ0065.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	19.1 g	17.4 g	18.8 g	25.6 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BO-S-32PB	BO-S-32PB	BL-S-07PB	BK-S-91PB
Field Date	7/13/1997	7/14/1997	7/14/1997	7/12/1997
Extract Date	12/17/1997	12/17/1997	8/6/1997	7/24/1997
Analysis Date	12/31/1997	1/1/1998	8/31/1997	8/9/1997
Min Reporting Limit	0.00065	0.00072	0.00066	0.00049
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0058	0.0073	0.0072 B	0.0065
C1-Naphthalenes	0.015	0.016	0.014	0.016
C2-Naphthalenes	0.031	0.03	0.023	0.027
C3-Naphthalenes	0.026	0.025	0.017	0.026
C4-Naphthalenes	0.016	0.014	0.012	0.017
Acenaphthylene	0.000091 J	0.0001 J	0.000099 J	0.0001 J
Acenaphthene	0.00053 J	0.00056 J	0.00051 JB	0.00063
Biphenyl	0.004	0.0044	0.0035	0.0053
Fluorene	0.0031	0.0034	0.0026	0.0034
C1-Fluorenes	0.0057	0.0054	0.0049	0.0057
C2-Fluorenes	0.0094	0.0092	0.0077	0.0073
C3-Fluorenes	0.0096	0.012	0.0091	0.0085
Anthracene	0.00052 J	0.00057 J	0.00052 J	0.00045 J
Phenanthrene	0.012	0.013	0.012	0.012
C1-Phenanthrenes/anthracenes	0.02	0.021	0.019	0.018
C2-Phenanthrenes/anthracenes	0.024	0.023	0.023	0.014
C3-Phenanthrenes/anthracenes	0.013	0.013	0.013	0.0086
C4-Phenanthrenes/anthracenes	0.012	0.013	0.016	0.0071
Dibenzothiophene	0.0014	0.0016	0.0013	0.0015
C1-Dibenzothiophenes	0.0029	0.0028	0.0029	0.0022
C2-Dibenzothiophenes	0.0031	0.0029	0.003	0.0024
C3-Dibenzothiophenes	0.0023	0.0023	0.0022	0.0016
Fluoranthene	0.0024	0.0028	0.0025	0.0024
Pyrene	0.0028	0.0034	0.0027	0.0027
C1-Fluoranthenes/pyrenes	0.0083	0.0088	0.0088	0.0059
C2-Fluoranthenes/pyrenes	0.012	0.011	0.011	0.0064
C3-Fluoranthenes/pyrenes	0.0093	0.0088	0.012	0.0056
Benzo[a]anthracene	0.0012	0.0012	0.0011	0.00094
Chrysene	0.0037	0.0039	0.0036	0.0029
C1-Chrysenes	0.0053	0.0055	0.006	0.0041
C2-Chrysenes	0.0077	0.0065	0.0082	0.0049
C3-Chrysenes	0.0054	0.0036	0.0062	0.0032
C4-Chrysenes	0.004	0.0029	0.0075	0.0019
Benzo[b]fluoranthene	0.0022	0.0021	0.0025	0.0018
Benzo[k]fluoranthene	0.00023 J	0.00032 J	0.00025 J	0.00022 J
Benzo[e]pyrene	0.002	0.0028	0.0023	0.0018
Benzo[a]pyrene	0.00057 J	0.00062 J	0.0008 J	0.00058
Perylene	0.0065	0.0097	0.011	0.0073
Indeno[1,2,3,-c,d]pyrene	0.00061 J	0.00068 J	0.00072 J	0.00045 J
Dibenzo[a,h]anthracene	0.00039 J	0.00052 J	0.00051 J	0.00033 J
Benzo[g,h,i]perylene	0.0022	0.0028	0.0025	0.0019
Total PAH	0.29	0.3	0.28	0.25
d8-Naphthalene	79	73	67	104
d10-Acenaphthene	81	80	69	95
d10-Phenanthrene	83	82	73	97
d12-Benzo[a]pyrene	83	60	65	88

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-01-01-00-PHC-S	97-2-F1-01-00-PHC-S	97-2-F1-02-00-PHC-S	97-2-F1-03-00-PHC-S
Lab ID	97C1420DUP	97C1421	97C1417	97C1418
SDG	SDGS003	SDGS003	SDGS003	SDGS003
File	DZ0068.D	DZ0069.D	DZ0062.D	DZ0063.D
Sample Type	QC	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	25.3 g	24.2 g	21.4 g	21.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BK-S-91PB	BK-S-91PB	BK-S-91PB	BK-S-91PB
Field Date	7/12/1997	7/12/1997	7/12/1997	7/12/1997
Extract Date	7/24/1997	7/24/1997	7/24/1997	7/24/1997
Analysis Date	8/9/1997	8/9/1997	8/9/1997	8/9/1997
Min Reporting Limit	0.00049	0.00052	0.00058	0.00057
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.0062	0.0059	0.0055	0.0057
C1-Naphthalenes	0.014	0.014	0.011	0.013
C2-Naphthalenes	0.027	0.026	0.02	0.023
C3-Naphthalenes	0.027	0.027	0.021	0.024
C4-Naphthalenes	0.014	0.015	0.011	0.013
Acenaphthylene	0.0002 J	0.00024 J	0.00021 J	0.0001 J
Acenaphthene	0.00068	0.00063	0.00055 J	0.00061 J
Biphenyl	0.0045	0.0049	0.0047	0.0042
Fluorene	0.0033	0.0031	0.0026	0.0029
C1-Fluorenes	0.0054	0.0052	0.0043	0.005
C2-Fluorenes	0.0075	0.0072	0.0056	0.0068
C3-Fluorenes	0.01	0.0081	0.0073	0.0088
Anthracene	0.00042 J	0.00048 J	0.0004 J	0.00034 J
Phenanthrene	0.012	0.012	0.009	0.01
C1-Phenanthrenes/anthracenes	0.017	0.017	0.013	0.016
C2-Phenanthrenes/anthracenes	0.015	0.015	0.01	0.014
C3-Phenanthrenes/anthracenes	0.0095	0.0085	0.006	0.0083
C4-Phenanthrenes/anthracenes	0.0083	0.0062	0.0052	0.0068
Dibenzothiophene	0.0016	0.0015	0.0011	0.0014
C1-Dibenzothiophenes	0.0022	0.002	0.0015	0.002
C2-Dibenzothiophenes	0.0024	0.0022	0.0018	0.0022
C3-Dibenzothiophenes	0.0018	0.0019	0.0014	0.0016
Fluoranthene	0.0026	0.0028	0.0019	0.0021
Pyrene	0.0028	0.0029	0.0019	0.0023
C1-Fluoranthenes/pyrenes	0.0061	0.0062	0.0042	0.0055
C2-Fluoranthenes/pyrenes	0.0068	0.0069	0.0044	0.0062
C3-Fluoranthenes/pyrenes	0.006	0.0058	0.0041	0.0057
Benzo[a]anthracene	0.00098	0.0012	0.00084	0.00081
Chrysene	0.0026	0.0031	0.0021	0.0025
C1-Chrysenes	0.0038	0.0042	0.0031	0.0037
C2-Chrysenes	0.0045	0.0058	0.0036	0.004
C3-Chrysenes	0.0028	0.0034	0.0024	0.0033
C4-Chrysenes	0.0015	0.0022	0.0018	0.0017
Benzo[b]fluoranthene	0.0018	0.0021	0.0013	0.0016
Benzo[k]fluoranthene	0.00026 J	0.00026 J	0.00015 J	0.00018 J
Benzo[e]pyrene	0.0019	0.0018	0.0011	0.0015
Benzo[a]pyrene	0.00059	0.00071	0.00047 J	0.00047 J
Perylene	0.0067	0.0056	0.004	0.0062
Indeno[1,2,3,-c,d]pyrene	0.00052 J	0.00053 J	0.00032 J	0.00033 J
Dibenzo[a,h]anthracene	0.00038 J	0.0003 J	0.00023 J	0.00029 J
Benzo[g,h,i]perylene	0.002	0.0015	0.001	0.0013
Total PAH	0.24	0.24	0.18	0.22
d8-Naphthalene	104	91	91	95
d10-Acenaphthene	96	86	89	90
d10-Phenanthrene	98	86	97	94
d12-Benzo[a]pyrene	85	89	100	92

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-02-01-00-PHC-S	97-2-F2-01-00-PHC-S	97-2-02-02-00-PHC-S	97-2-F2-02-00-PHC-S
Lab ID	97C1322	97C1383	97C1326	97C1380
SDG	SDGS009	SDGS009	SDGS009	SDGS009
File	DX5051.D	DX5062.D	DX5055.D	DX5059.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	25.5 g	22.2 g	26 g	21.6 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BL-S-10PB	BL-S-10PB	BL-S-10PB
Field Date	7/13/1997	7/9/1997	7/13/1997	7/9/1997
Extract Date	8/8/1997	8/8/1997	8/8/1997	8/8/1997
Analysis Date	9/17/1997	9/18/1997	9/17/1997	9/18/1997
Min Reporting Limit	0.00049	0.00056	0.00048	0.00058
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.01	0.015	0.011	0.014
C1-Naphthalenes	0.025	0.037	0.025	0.034
C2-Naphthalenes	0.058	0.086	0.067	0.083
C3-Naphthalenes	0.058	0.08	0.061	0.079
C4-Naphthalenes	0.044	0.051	0.039	0.053
Acenaphthylene	0.00017 J	0.00021 J	0.00015 J	0.00019 J
Acenaphthene	0.0015	0.002	0.0016	0.0021
Biphenyl	0.0075	0.011	0.0082	0.01
Fluorene	0.01	0.013	0.01	0.013
C1-Fluorenes	0.019	0.025	0.02	0.024
C2-Fluorenes	0.033	0.039	0.031	0.04
C3-Fluorenes	0.035	0.041	0.035	0.043
Anthracene	0.0016	0.0025	0.0015	0.0022
Phenanthrene	0.032	0.043	0.033	0.043
C1-Phenanthrenes/anthracenes	0.06	0.078	0.061	0.078
C2-Phenanthrenes/anthracenes	0.063	0.084	0.065	0.083
C3-Phenanthrenes/anthracenes	0.041	0.054	0.042	0.05
C4-Phenanthrenes/anthracenes	0.044	0.054	0.046	0.055
Dibenzothiophene	0.0041	0.0055	0.0044	0.0059
C1-Dibenzothiophenes	0.0081	0.012	0.0086	0.01
C2-Dibenzothiophenes	0.009	0.013	0.0095	0.012
C3-Dibenzothiophenes	0.0068	0.0096	0.0072	0.0097
Fluoranthene	0.0055	0.0084	0.0061	0.0081
Pyrene	0.0073	0.0098	0.0077	0.0095
C1-Fluoranthenes/pyrenes	0.024	0.03	0.023	0.029
C2-Fluoranthenes/pyrenes	0.035	0.045	0.035	0.041
C3-Fluoranthenes/pyrenes	0.032	0.041	0.035	0.04
Benzo[a]anthracene	0.0035	0.0043	0.0028	0.0047
Chrysene	0.0092	0.013	0.01	0.013
C1-Chrysenes	0.017	0.025	0.021	0.026
C2-Chrysenes	0.024	0.032	0.026	0.031
C3-Chrysenes	0.022	0.027	0.023	0.026
C4-Chrysenes	0.021	0.021	0.023	0.024
Benzo[b]fluoranthene	0.006	0.0084	0.0067	0.0081
Benzo[k]fluoranthene	0.00032 J	0.0005 J	0.00039 J	0.00055 J
Benzo[e]pyrene	0.0057	0.0075	0.0061	0.0072
Benzo[a]pyrene	0.0015	0.002	0.0016	0.002
Perylene	0.013	0.023	0.016	0.021
Indeno[1,2,3,-c,d]pyrene	0.0017	0.0018	0.0017	0.002
Dibenzo[a,h]anthracene	0.0014	0.0016	0.0017	0.0016
Benzo[g,h,i]perylene	0.0066	0.01	0.0076	0.011
Total PAH	0.81	1.1	0.84	1
d8-Naphthalene	38 &	38 &	37 &	38 &
d10-Acenaphthene	52	51	51	53
d10-Phenanthrene	63	56	57	58
d12-Benzo[a]pyrene	65	60	59	61

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-02-03-00-PHC-S	97-2-F2-03-00-PHC-S	97-2-02-04-00-PHC-S	97-2-02-05-00-PHC-S
Lab ID	97C1325	97C1385	97C1318	97C1321
SDG	SDGS009	SDGS010	SDGS009	SDGS009
File	DX5054.D	DX5098.D	DX5046.D	DX5049.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	24.5 g	11 g	25.1 g	24.5 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BL-S-13PB	BL-S-10PB	BL-S-10PB
Field Date	7/13/1997	7/9/1997	7/13/1997	7/13/1997
Extract Date	8/8/1997	8/11/1997	8/8/1997	8/8/1997
Analysis Date	9/17/1997	9/20/1997	9/17/1997	9/17/1997
Min Reporting Limit	0.00051	0.0011	0.0005	0.00051
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.012	0.013	0.011	0.011
C1-Naphthalenes	0.029	0.032	0.028	0.027
C2-Naphthalenes	0.071	0.07	0.066	0.066
C3-Naphthalenes	0.064	0.065	0.06	0.059
C4-Naphthalenes	0.049	0.043	0.04	0.041
Acenaphthylene	0.00012 J	0.00023 J	0.00019 J	0.00019 J
Acenaphthene	0.0016	0.002	0.0014	0.0015
Biphenyl	0.0088	0.0088	0.0083	0.0083
Fluorene	0.011	0.012	0.01	0.0098
C1-Fluorenes	0.02	0.025	0.021	0.02
C2-Fluorenes	0.032	0.038	0.031	0.03
C3-Fluorenes	0.037	0.04	0.034	0.032
Anthracene	0.0019	0.0019	0.0018	0.0018
Phenanthrene	0.035	0.036	0.033	0.033
C1-Phenanthrenes/anthracenes	0.066	0.064	0.064	0.061
C2-Phenanthrenes/anthracenes	0.072	0.068	0.067	0.062
C3-Phenanthrenes/anthracenes	0.046	0.041	0.042	0.039
C4-Phenanthrenes/anthracenes	0.038	0.037	0.042	0.045
Dibenzothiophene	0.0041	0.0047	0.0042	0.0044
C1-Dibenzothiophenes	0.009	0.0084	0.0089	0.0083
C2-Dibenzothiophenes	0.0098	0.011	0.0098	0.0097
C3-Dibenzothiophenes	0.0081	0.0075	0.007	0.007
Fluoranthene	0.0065	0.0069	0.0059	0.0062
Pyrene	0.0081	0.0079	0.0077	0.0076
C1-Fluoranthenes/pyrenes	0.026	0.023	0.024	0.023
C2-Fluoranthenes/pyrenes	0.038	0.033	0.033	0.032
C3-Fluoranthenes/pyrenes	0.035	0.031	0.035	0.032
Benzo[a]anthracene	0.0034	0.0035	0.0026	0.0036
Chrysene	0.01	0.0095	0.01	0.011
C1-Chrysenes	0.018	0.015	0.018	0.02
C2-Chrysenes	0.025	0.019	0.029	0.024
C3-Chrysenes	0.02	0.017	0.023	0.021
C4-Chrysenes	0.025	0.012	0.024	0.021
Benzo[b]fluoranthene	0.0065	0.0052	0.0067	0.0064
Benzo[k]fluoranthene	0.00035 J	0.00048 J	0.00038 J	0.00057 J
Benzo[e]pyrene	0.0058	0.0052	0.0057	0.0059
Benzo[a]pyrene	0.0016	0.0013 J	0.0016	0.0017
Perylene	0.014	0.012	0.015	0.014
Indeno[1,2,3,-c,d]pyrene	0.0015	0.0011 J	0.0015	0.0015
Dibenzo[a,h]anthracene	0.0013	0.00097 J	0.0013	0.0014
Benzo[g,h,i]perylene	0.0068	0.0053	0.0067	0.0063
Total PAH	0.88	0.84	0.84	0.82
d8-Naphthalene	43 &	42 &	45	46
d10-Acenaphthene	59	60	58	59
d10-Phenanthrene	68	75	66	66
d12-Benzo[a]pyrene	73	77	75	71

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-02-06-00-PHC-S	97-2-02-07-00-PHC-S	97-2-03-01-00-PHC-S	97-2-04-01-00-PHC-S
Lab ID	97C1320	97C1317	97C1388	97C1319
SDG	SDGS009	SDGS009	SDGS010	SDGS009
File	DX5048.D	DX5045.D	DX5102.D	DX5047.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	24.3 g	24.7 g	13.8 g	29 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BL-S-10PB	BL-S-13PB	BL-S-10PB
Field Date	7/13/1997	7/13/1997	7/9/1997	7/13/1997
Extract Date	8/8/1997	8/8/1997	8/11/1997	8/8/1997
Analysis Date	9/17/1997	9/17/1997	9/20/1997	9/17/1997
Min Reporting Limit	0.00051	0.00051	0.0009	0.00043
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.01	0.011	0.011 B	0.0075
C1-Naphthalenes	0.026	0.026	0.021	0.017
C2-Naphthalenes	0.066	0.072	0.05	0.035
C3-Naphthalenes	0.064	0.068	0.052	0.035
C4-Naphthalenes	0.044	0.053	0.031	0.028
Acenaphthylene	0.00019 J	0.00013 J	0.00023 J	0.00012 J
Acenaphthene	0.0016	0.0016	0.0016 J	0.00082
Biphenyl	0.0084	0.0089	0.0065	0.0047
Fluorene	0.012	0.011	0.0088	0.0054
C1-Fluorenes	0.022	0.023	0.017	0.01
C2-Fluorenes	0.036	0.038	0.027	0.018
C3-Fluorenes	0.042	0.042	0.031	0.019
Anthracene	0.0019	0.0019	0.0013 J	0.0014
Phenanthrene	0.036	0.036	0.026	0.018
C1-Phenanthrenes/anthracenes	0.068	0.067	0.046	0.033
C2-Phenanthrenes/anthracenes	0.071	0.076	0.048	0.037
C3-Phenanthrenes/anthracenes	0.046	0.046	0.028	0.024
C4-Phenanthrenes/anthracenes	0.048	0.05	0.026	0.03
Dibenzothiophene	0.0043	0.0048	0.0033	0.0022
C1-Dibenzothiophenes	0.0094	0.01	0.0057	0.0045
C2-Dibenzothiophenes	0.011	0.011	0.0071	0.0057
C3-Dibenzothiophenes	0.0082	0.0083	0.0057	0.0046
Fluoranthene	0.0065	0.0067	0.0053	0.0034
Pyrene	0.0082	0.0086	0.0058	0.0042
C1-Fluoranthenes/pyrenes	0.024	0.029	0.017	0.012
C2-Fluoranthenes/pyrenes	0.038	0.041	0.021	0.019
C3-Fluoranthenes/pyrenes	0.036	0.038	0.021	0.019
Benzo[a]anthracene	0.0035	0.0031	0.0023	0.0019
Chrysene	0.01	0.012	0.0068	0.0057
C1-Chrysenes	0.019	0.021	0.0098	0.01
C2-Chrysenes	0.027	0.028	0.012	0.014
C3-Chrysenes	0.022	0.022	0.009	0.011
C4-Chrysenes	0.017	0.019	0.0091	0.013
Benzo[b]fluoranthene	0.007	0.0076	0.0037	0.0037
Benzo[k]fluoranthene	0.00043 J	0.0006 J	0.00027 J	0.00027 J
Benzo[e]pyrene	0.0059	0.0065	0.0038	0.0029
Benzo[a]pyrene	0.0016	0.0019	0.00097 J	0.00081
Perylene	0.014	0.015	0.012	0.011
Indeno[1,2,3,-c,d]pyrene	0.0016	0.0019	0.00088 J	0.00095
Dibenzo[a,h]anthracene	0.0014	0.0016	0.00082 J	0.00068
Benzo[g,h,i]perylene	0.007	0.0073	0.0038	0.0032
Total PAH	0.89	0.94	0.6	0.48
d8-Naphthalene	37 &	37 &	28 &	45
d10-Acenaphthene	50	47	52	57
d10-Phenanthrene	63	58	70	67
d12-Benzo[a]pyrene	69	63	66	77

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-05-01-00-PHC-S	97-2-06-01-00-PHC-S	97-2-07-01-00-PHC-S	97-2-08-01-00-PHC-S
Lab ID	97C1386	97C1414	97C1222	97C1220
SDG	SDGS010	SDGS004	SDGS008	SDGS008
File	DX5099.D	DX4807.D	DZ2180.D	DZ2179.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	12.1 g	25.4 g	12 g	10.9 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-13PB	BK-S-94PB	BL-S-07PB	BL-S-07PB
Field Date	7/10/1997	7/13/1997	7/9/1997	7/9/1997
Extract Date	8/11/1997	7/31/1997	8/6/1997	8/6/1997
Analysis Date	9/20/1997	8/26/1997	8/31/1997	8/31/1997
Min Reporting Limit	0.001	0.00049	0.001	0.0011
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.011	0.0089 B	0.011	0.013
C1-Naphthalenes	0.023	0.021	0.026	0.032
C2-Naphthalenes	0.044	0.044	0.05	0.066
C3-Naphthalenes	0.041	0.039	0.044	0.056
C4-Naphthalenes	0.023	0.027	0.03	0.037
Acenaphthylene	0.00026 J	0.00011 JB	0.00032 J	0.00026 J
Acenaphthene	0.0016 J	0.0009 B	0.0013 J	0.0016
Biphenyl	0.0059	0.0054	0.0079	0.0097
Fluorene	0.0079	0.0053	0.0076	0.01
C1-Fluorenes	0.014	0.009	0.014	0.018
C2-Fluorenes	0.021	0.013	0.02	0.026
C3-Fluorenes	0.023	0.014	0.026	0.031
Anthracene	0.0012 J	0.0008	0.0012 J	0.0018
Phenanthrene	0.022	0.018	0.028	0.037
C1-Phenanthrenes/anthracenes	0.039	0.028	0.048	0.06
C2-Phenanthrenes/anthracenes	0.045	0.026	0.05	0.065
C3-Phenanthrenes/anthracenes	0.029	0.014	0.028	0.035
C4-Phenanthrenes/anthracenes	0.028	0.012	0.027	0.031
Dibenzothiophene	0.0026	0.0022	0.0033	0.0046
C1-Dibenzothiophenes	0.0054	0.0041	0.0074	0.0089
C2-Dibenzothiophenes	0.0066	0.0042	0.0073	0.0094
C3-Dibenzothiophenes	0.005	0.0028	0.0054	0.0068
Fluoranthene	0.0046	0.0036	0.0066	0.0083
Pyrene	0.0054	0.0039	0.007	0.0093
C1-Fluoranthenes/pyrenes	0.014	0.011	0.02	0.028
C2-Fluoranthenes/pyrenes	0.021	0.012	0.026	0.035
C3-Fluoranthenes/pyrenes	0.018	0.011	0.023	0.031
Benzo[a]anthracene	0.0022	0.00089	0.0024	0.0034
Chrysene	0.0059	0.0031	0.0084	0.011
C1-Chrysenes	0.0091	0.0048	0.014	0.017
C2-Chrysenes	0.012	0.0073	0.018	0.022
C3-Chrysenes	0.0088	0.0056	0.014	0.017
C4-Chrysenes	0.006	0.011	0.0091	0.017
Benzo[b]fluoranthene	0.0034	0.002	0.0053	0.0066
Benzo[k]fluoranthene	0.0002 J	0.00015 J	0.00066 J	0.001 J
Benzo[e]pyrene	0.003	0.0028	0.0055	0.007
Benzo[a]pyrene	0.00081 J	0.00081	0.0016	0.0022
Perylene	0.01	0.0092	0.019	0.025
Indeno[1,2,3,-c,d]pyrene	0.00074 J	0.00074 J	0.0014 J	0.0019
Dibenzo[a,h]anthracene	0.0006 J	0.00055 J	0.00098 J	0.0015 J
Benzo[g,h,i]perylene	0.003	0.0026	0.006	0.0079
Total PAH	0.53	0.39	0.63	0.81
d8-Naphthalene	43 &	82	62	64
d10-Acenaphthene	61	90	66	68
d10-Phenanthrene	76	93	70	71
d12-Benzo[a]pyrene	86	65	62	63

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-09-01-00-PHC-S	97-2-10-01-00-PHC-S	97-2-11-01-00-PHC-S	97-2-13-01-00-PHC-S
Lab ID	97C1422	97C1379	97C1384	97C1377
SDG	SDGS003	SDGS009	SDGS010	SDGS009
File	DZ0070.D	DX5058.D	DX5097.D	DX5056.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	20.2 g	19.4 g	11.7 g	29.3 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BK-S-91PB	BL-S-10PB	BL-S-13PB	BL-S-10PB
Field Date	7/12/1997	7/9/1997	7/9/1997	7/13/1997
Extract Date	7/24/1997	8/8/1997	8/11/1997	8/8/1997
Analysis Date	8/9/1997	9/17/1997	9/19/1997	9/17/1997
Min Reporting Limit	0.00062	0.00064	0.0011	0.00043
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.011	0.012	0.012	0.0067
C1-Naphthalenes	0.028	0.024	0.023	0.0094
C2-Naphthalenes	0.053	0.052	0.052	0.019
C3-Naphthalenes	0.052	0.047	0.05	0.018
C4-Naphthalenes	0.028	0.034	0.034	0.014
Acenaphthylene	0.0002 J	0.00019 J	0.00028 J	0.00019 J
Acenaphthene	0.0012	0.0012	0.0018 J	0.0006 J
Biphenyl	0.0085	0.0069	0.0071	0.0029
Fluorene	0.0071	0.0078	0.0096	0.0031
C1-Fluorenes	0.011	0.014	0.018	0.005
C2-Fluorenes	0.016	0.024	0.032	0.0087
C3-Fluorenes	0.017	0.025	0.032	0.013
Anthracene	0.00072	0.0014	0.0016	0.0006 J
Phenanthrene	0.023	0.026	0.027	0.012
C1-Phenanthrenes/anthracenes	0.035	0.043	0.051	0.018
C2-Phenanthrenes/anthracenes	0.025	0.048	0.055	0.022
C3-Phenanthrenes/anthracenes	0.014	0.029	0.033	0.014
C4-Phenanthrenes/anthracenes	0.01	0.03	0.03	0.015
Dibenzothiophene	0.0031	0.003	0.0037	0.0014
C1-Dibenzothiophenes	0.004	0.0061	0.0079	0.003
C2-Dibenzothiophenes	0.0041	0.007	0.0085	0.0035
C3-Dibenzothiophenes	0.003	0.0055	0.0066	0.0033
Fluoranthene	0.0037	0.0052	0.006	0.0032
Pyrene	0.0044	0.0061	0.0067	0.0032
C1-Fluoranthenes/pyrenes	0.01	0.016	0.018	0.0063
C2-Fluoranthenes/pyrenes	0.011	0.023	0.025	0.0093
C3-Fluoranthenes/pyrenes	0.0093	0.019	0.022	0.0095
Benzo[a]anthracene	0.0015	0.0023	0.0026	0.001
Chrysene	0.0055	0.0061	0.0081	0.0035
C1-Chrysenes	0.0076	0.01	0.011	0.0053
C2-Chrysenes	0.0086	0.013	0.013	0.0082
C3-Chrysenes	0.0055	0.012	0.012	0.007
C4-Chrysenes	0.0034	0.013	0.011	0.012
Benzo[b]fluoranthene	0.0028	0.0036	0.0042	0.0022
Benzo[k]fluoranthene	0.00041 J	0.00041 J	0.0004 J	0.0002 J
Benzo[e]pyrene	0.0029	0.0033	0.0038	0.0019
Benzo[a]pyrene	0.00082	0.00091	0.0011 J	0.00055 J
Perylene	0.0064	0.013	0.013	0.011
Indeno[1,2,3,-c,d]pyrene	0.00066	0.00081 J	0.00085 J	0.00058 J
Dibenzo[a,h]anthracene	0.00047 J	0.00057 J	0.00068 J	0.00044 J
Benzo[g,h,i]perylene	0.002	0.0032	0.0045	0.0026
Total PAH	0.44	0.6	0.66	0.28
d8-Naphthalene	102	47	36 &	36 &
d10-Acenaphthene	96	59	56	52
d10-Phenanthrene	99	69	73	60
d12-Benzo[a]pyrene	94	75	78	64

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-2-14-01-00-PHC-S	97-2-15-01-00-PHC-S	97-2-22-01-00-PHC-S	97-3-01-01-00-PHC-S
Lab ID	97C1378	97C1404RE	97C1419	97C1266
SDG	SDGS009	SDGS006	SDGS003	SDGS008
File	DX5057.D	DX6439.D	DZ0064.D	DZ2192.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	24.3 g	15.2 g	22 g	12.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-10PB	BO-S-32PB	BK-S-91PB	BL-S-07PB
Field Date	7/13/1997	7/13/1997	7/13/1997	7/10/1997
Extract Date	8/8/1997	12/17/1997	7/24/1997	8/6/1997
Analysis Date	9/17/1997	1/1/1998	8/9/1997	8/31/1997
Min Reporting Limit	0.00051	0.00082	0.00057	0.00098
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.012	0.011	0.0062	0.012
C1-Naphthalenes	0.025	0.025	0.014	0.03
C2-Naphthalenes	0.058	0.056	0.026	0.055
C3-Naphthalenes	0.051	0.051	0.024	0.044
C4-Naphthalenes	0.036	0.032	0.014	0.028
Acenaphthylene	0.0001 J	0.00014 J	0.00019 J	0.00023 J
Acenaphthene	0.0013	0.0011 J	0.00058	0.0013 J
Biphenyl	0.0078	0.0076	0.0052	0.0084
Fluorene	0.0091	0.007	0.0031	0.008
C1-Fluorenes	0.016	0.012	0.0052	0.014
C2-Fluorenes	0.025	0.02	0.0067	0.02
C3-Fluorenes	0.029	0.025	0.0084	0.025
Anthracene	0.0014	0.001 J	0.00045 J	0.0016
Phenanthrene	0.03	0.025	0.011	0.03
C1-Phenanthrenes/anthracenes	0.05	0.038	0.016	0.048
C2-Phenanthrenes/anthracenes	0.057	0.043	0.013	0.049
C3-Phenanthrenes/anthracenes	0.035	0.023	0.0071	0.026
C4-Phenanthrenes/anthracenes	0.032	0.017	0.0059	0.028
Dibenzothiophene	0.0038	0.0031	0.0014	0.0038
C1-Dibenzothiophenes	0.0083	0.0058	0.0018	0.0059
C2-Dibenzothiophenes	0.0083	0.0048	0.0021	0.0062
C3-Dibenzothiophenes	0.0062	0.0038	0.0018	0.0046
Fluoranthene	0.0053	0.0044	0.002	0.0075
Pyrene	0.0062	0.0055	0.0022	0.0072
C1-Fluoranthenes/pyrenes	0.018	0.017	0.0048	0.02
C2-Fluoranthenes/pyrenes	0.027	0.02	0.0054	0.026
C3-Fluoranthenes/pyrenes	0.025	0.015	0.0047	0.023
Benzo[a]anthracene	0.0023	0.002	0.00082	0.0026
Chrysene	0.0085	0.007	0.0027	0.0083
C1-Chrysenes	0.017	0.0096	0.0036	0.014
C2-Chrysenes	0.022	0.01	0.0043	0.017
C3-Chrysenes	0.02	0.0064	0.0028	0.016
C4-Chrysenes	0.018	0.0043	0.0023	0.01
Benzo[b]fluoranthene	0.0055	0.0038	0.0016	0.0054
Benzo[k]fluoranthene	0.00033 J	0.00033 J	0.0002 J	0.00075 J
Benzo[e]pyrene	0.005	0.0053	0.0014	0.0057
Benzo[a]pyrene	0.0013	0.0011 J	0.00051 J	0.0016
Perylene	0.015	0.015	0.005	0.036
Indeno[1,2,3,-c,d]pyrene	0.0014	0.0012 J	0.00037 J	0.0015 J
Dibenzo[a,h]anthracene	0.0012	0.00079 J	0.00029 J	0.001 J
Benzo[g,h,i]perylene	0.0061	0.0047	0.0014	0.0062
Total PAH	0.71	0.55	0.22	0.66
d8-Naphthalene	40 &	61	104	62
d10-Acenaphthene	55	71	98	64
d10-Phenanthrene	60	81	101	69
d12-Benzo[a]pyrene	64	53	102	61

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-F1-01-00-PHC-S	97-3-F1-02-00-PHC-S	97-3-F1-03-00-PHC-S	97-3-02-01-00-PHC-S
Lab ID	97C1265	97C1382	97C1381	97C1261
SDG	SDGS008	SDGS009	SDGS009	SDGS008
File	DZ2191.D	DX5061.D	DX5060.D	DZ2187.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	17.2 g	19.9 g	20 g	12.1 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-07PB	BL-S-10PB	BL-S-10PB	BL-S-07PB
Field Date	7/10/1997	7/10/1997	7/10/1997	7/11/1997
Extract Date	8/6/1997	8/8/1997	8/8/1997	8/6/1997
Analysis Date	8/31/1997	9/18/1997	9/18/1997	8/31/1997
Min Reporting Limit	0.00073	0.00063	0.00062	0.001
Units	ug/g	ug/g	ug/g	ug/g

PAH

Naphthalene	0.0075	0.014	0.014	0.013
C1-Naphthalenes	0.017	0.026	0.028	0.029
C2-Naphthalenes	0.032	0.059	0.059	0.057
C3-Naphthalenes	0.024	0.056	0.052	0.048
C4-Naphthalenes	0.017	0.033	0.037	0.031
Acenaphthylene	0.00012 J	0.00026 J	0.00018 J	0.00025 J
Acenaphthene	0.00082 J	0.0017	0.0015	0.0014 J
Biphenyl	0.0049	0.0081	0.0083	0.0089
Fluorene	0.0044	0.0094	0.0092	0.0086
C1-Fluorenes	0.0081	0.016	0.016	0.015
C2-Fluorenes	0.011	0.028	0.028	0.022
C3-Fluorenes	0.014	0.031	0.03	0.017
Anthracene	0.00071 J	0.0016	0.0015	0.0017
Phenanthrene	0.016	0.031	0.03	0.032
C1-Phenanthrenes/anthracenes	0.026	0.054	0.052	0.052
C2-Phenanthrenes/anthracenes	0.029	0.057	0.057	0.054
C3-Phenanthrenes/anthracenes	0.016	0.038	0.037	0.029
C4-Phenanthrenes/anthracenes	0.016	0.046	0.032	0.03
Dibenzothiophene	0.0019	0.0043	0.0037	0.004
C1-Dibenzothiophenes	0.004	0.0079	0.0073	0.0075
C2-Dibenzothiophenes	0.0042	0.009	0.0088	0.008
C3-Dibenzothiophenes	0.0029	0.0075	0.0067	0.0061
Fluoranthene	0.0039	0.0065	0.0062	0.0075
Pyrene	0.0042	0.0074	0.007	0.008
C1-Fluoranthenes/pyrenes	0.011	0.023	0.02	0.022
C2-Fluoranthenes/pyrenes	0.014	0.03	0.03	0.029
C3-Fluoranthenes/pyrenes	0.013	0.026	0.027	0.025
Benzo[a]anthracene	0.0013	0.0034	0.003	0.0026
Chrysene	0.0047	0.0088	0.0087	0.0083
C1-Chrysenes	0.0063	0.016	0.015	0.013
C2-Chrysenes	0.0087	0.018	0.022	0.017
C3-Chrysenes	0.0071	0.018	0.017	0.014
C4-Chrysenes	0.0061	0.015	0.018	0.011
Benzo[b]fluoranthene	0.0024	0.0057	0.0055	0.0052
Benzo[k]fluoranthene	0.00029 J	0.00044 J	0.0003 J	0.00062 J
Benzo[e]pyrene	0.0027	0.0058	0.005	0.0056
Benzo[a]pyrene	0.00087 J	0.0014	0.0013	0.0016
Perylene	0.013	0.024	0.02	0.026
Indeno[1,2,3,-c,d]pyrene	0.00067 J	0.0015	0.0013	0.0014 J
Dibenzo[a,h]anthracene	0.00049 J	0.0012	0.0012	0.00098 J
Benzo[g,h,i]perylene	0.0027	0.0067	0.0058	0.0065

Total PAH	0.36	0.76	0.73	0.68
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d8-Naphthalene	55	36 &	36 &	61
d10-Acenaphthene	57	54	54	65
d10-Phenanthrene	62	61	60	69
d12-Benzo[a]pyrene	55	55	64	61

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-F2-01-00-PHC-S	97-3-F2-02-00-PHC-S	97-3-F2-03-00-PHC-S	97-3-03-01-00-PHC-S
Lab ID	97C1387	97C1390	97C1389	97C1430
SDG	SDGS010	SDGS010	SDGS010	SDGS007
File	DX5101.D	DX5104.D	DX5103.D	DZ2158.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	12.1 g	11.5 g	9.74 g	18.8 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-13PB	BL-S-13PB	BL-S-13PB	BL-S-04PB
Field Date	7/10/1997	7/10/1997	7/10/1997	7/12/1997
Extract Date	8/11/1997	8/11/1997	8/11/1997	8/5/1997
Analysis Date	9/20/1997	9/20/1997	9/20/1997	8/30/1997
Min Reporting Limit	0.001	0.0011	0.0013	0.00066
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.012	0.013	0.013	0.0095
C1-Naphthalenes	0.026	0.023	0.024	0.024
C2-Naphthalenes	0.055	0.05	0.051	0.046
C3-Naphthalenes	0.049	0.048	0.049	0.036
C4-Naphthalenes	0.032	0.033	0.036	0.024
Acenaphthylene	0.00028 J	0.00025 J	0.00025 J	0.00028 JB
Acenaphthene	0.0017	0.0016 J	0.0017 J	0.0011
Biphenyl	0.0075	0.0073	0.0075	0.0063
Fluorene	0.0089	0.009	0.0092	0.006
C1-Fluorenes	0.015	0.017	0.017	0.01
C2-Fluorenes	0.026	0.03	0.028	0.014
C3-Fluorenes	0.031	0.033	0.03	0.018
Anthracene	0.0014	0.0016	0.0016	0.00074 J
Phenanthrene	0.026	0.028	0.028	0.021
C1-Phenanthrenes/anthracenes	0.047	0.049	0.048	0.031
C2-Phenanthrenes/anthracenes	0.051	0.055	0.058	0.028
C3-Phenanthrenes/anthracenes	0.031	0.036	0.035	0.017
C4-Phenanthrenes/anthracenes	0.033	0.032	0.029	0.014
Dibenzothiophene	0.004	0.0035	0.0034	0.0027
C1-Dibenzothiophenes	0.0062	0.0072	0.007	0.0049
C2-Dibenzothiophenes	0.007	0.0084	0.008	0.0051
C3-Dibenzothiophenes	0.0063	0.0059	0.0056	0.003
Fluoranthene	0.0058	0.0059	0.0058	0.0043
Pyrene	0.0063	0.0064	0.0065	0.0047
C1-Fluoranthenes/pyrenes	0.019	0.02	0.018	0.012
C2-Fluoranthenes/pyrenes	0.023	0.025	0.024	0.012
C3-Fluoranthenes/pyrenes	0.022	0.024	0.023	0.011
Benzo[a]anthracene	0.0026	0.0024	0.0024	0.0011
Chrysene	0.007	0.0079	0.0075	0.0044
C1-Chrysenes	0.011	0.011	0.0097	0.0058
C2-Chrysenes	0.017	0.017	0.015	0.0069
C3-Chrysenes	0.011	0.012	0.01	0.0061
C4-Chrysenes	0.011	0.012	0.011	0.0034
Benzo[b]fluoranthene	0.0038	0.0045	0.0038	0.0021
Benzo[k]fluoranthene	0.00054 J	0.0003 J	0.00042 J	0.00026 J
Benzo[e]pyrene	0.0039	0.0041	0.0037	0.0022
Benzo[a]pyrene	0.00097 J	0.00098 J	0.00095 J	0.00064 J
Perylene	0.013	0.014	0.013	0.0083
Indeno[1,2,3,-c,d]pyrene	0.00099 J	0.00092 J	0.00084 J	0.00055 J
Dibenzo[a,h]anthracene	0.00081 J	0.00078 J	0.00064 J	0.00031 J
Benzo[g,h,i]perylene	0.004	0.0037	0.0034	0.0017
Total PAH	0.64	0.66	0.65	0.41
d8-Naphthalene	48	38 &	39 &	65
d10-Acenaphthene	65	60	63	70
d10-Phenanthrene	78	76	79	77
d12-Benzo[a]pyrene	83	86	87	77

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-04-01-00-PHC-S	97-3-05-01-00-PHC-S	97-3-06-01-00-PHC-S	97-3-08-01-00-PHC-S
Lab ID	97C1242	97C1425	97C1262	97C1258
SDG	SDGS007	SDGS007	SDGS008	SDGS008
File	DZ2143.D	DZ2153.D	DZ2188.D	DZ2183.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	19.8 g	15.8 g	11.5 g	11 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BL-S-04PB	BL-S-07PB	BL-S-07PB
Field Date	7/11/1997	7/12/1997	7/10/1997	7/12/1997
Extract Date	8/5/1997	8/5/1997	8/6/1997	8/6/1997
Analysis Date	8/29/1997	8/29/1997	8/31/1997	8/31/1997
Min Reporting Limit	0.00063	0.00079	0.0011	0.0011
Units	ug/g	ug/g	ug/g	ug/g

PAH

Naphthalene	0.011	0.011	0.012	0.015
C1-Naphthalenes	0.028	0.029	0.026	0.037
C2-Naphthalenes	0.052	0.053	0.048	0.068
C3-Naphthalenes	0.041	0.041	0.042	0.056
C4-Naphthalenes	0.028	0.031	0.029	0.039
Acenaphthylene	0.00024 JB	0.00087 JB	0.00026 J	0.00018 J
Acenaphthene	0.0013	0.0012	0.0012 J	0.0018
Biphenyl	0.0071	0.0076	0.0077	0.011
Fluorene	0.0072	0.0072	0.0071	0.01
C1-Fluorenes	0.012	0.012	0.012	0.018
C2-Fluorenes	0.017	0.016	0.019	0.027
C3-Fluorenes	0.019	0.02	0.022	0.031
Anthracene	0.001	0.00097 J	0.0012 J	0.0014 J
Phenanthrene	0.025	0.025	0.027	0.038
C1-Phenanthrenes/anthracenes	0.038	0.035	0.042	0.062
C2-Phenanthrenes/anthracenes	0.034	0.033	0.044	0.062
C3-Phenanthrenes/anthracenes	0.022	0.018	0.024	0.035
C4-Phenanthrenes/anthracenes	0.023	0.018	0.023	0.033
Dibenzothiophene	0.0033	0.003	0.0033	0.0045
C1-Dibenzothiophenes	0.0052	0.0049	0.0059	0.0088
C2-Dibenzothiophenes	0.0053	0.0051	0.0073	0.0082
C3-Dibenzothiophenes	0.0042	0.0035	0.0055	0.0065
Fluoranthene	0.0056	0.0054	0.0059	0.0086
Pyrene	0.0058	0.0052	0.0065	0.0089
C1-Fluoranthenes/pyrenes	0.015	0.013	0.018	0.026
C2-Fluoranthenes/pyrenes	0.016	0.014	0.023	0.033
C3-Fluoranthenes/pyrenes	0.014	0.012	0.021	0.033
Benzo[a]anthracene	0.0013	0.0012	0.0023	0.0033
Chrysene	0.0054	0.0049	0.007	0.011
C1-Chrysenes	0.0071	0.0059	0.011	0.015
C2-Chrysenes	0.0081	0.0073	0.015	0.021
C3-Chrysenes	0.0053	0.0054	0.014	0.018
C4-Chrysenes	0.0072	0.0037	0.011	0.018
Benzo[b]fluoranthene	0.0023	0.0024	0.0042	0.0068
Benzo[k]fluoranthene	0.00032 J	0.00028 J	0.00039 J	0.00076 J
Benzo[e]pyrene	0.0025	0.0025	0.0045	0.0072
Benzo[a]pyrene	0.00076	0.00072 J	0.0013 J	0.0021
Perylene	0.011	0.01	0.021	0.033
Indeno[1,2,3,-c,d]pyrene	0.00058 J	0.00049 J	0.0012 J	0.0019
Dibenzo[a,h]anthracene	0.00031 J	0.00033 J	0.00079 J	0.0013 J
Benzo[g,h,i]perylene	0.0027	0.002	0.0047	0.0072

Total PAH	0.5	0.47	0.58	0.83
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d8-Naphthalene	75	71	57	59
d10-Acenaphthene	75	75	62	62
d10-Phenanthrene	79	79	66	66
d12-Benzo[a]pyrene	84	81	62	58

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-09-01-00-PHC-S	97-3-10-01-00-PHC-S	97-3-11-01-00-PHC-S	97-3-12-01-00-PHC-S
Lab ID	97C1267	97C1259	97C1427	97C1260
SDG	SDGS008	SDGS008	SDGS007	SDGS008
File	DZ2193.D	DZ2184.D	DZ2155.D	DZ2186.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	14.2 g	9.52 g	18.5 g	9.66 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-07PB	BL-S-07PB	BL-S-04PB	BL-S-07PB
Field Date	7/11/1997	7/11/1997	7/12/1997	7/11/1997
Extract Date	8/6/1997	8/6/1997	8/5/1997	8/6/1997
Analysis Date	8/31/1997	8/31/1997	8/29/1997	8/31/1997
Min Reporting Limit	0.00088	0.0013	0.00068	0.0013
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.011 B	0.014	0.012	0.016
C1-Naphthalenes	0.024	0.03	0.032	0.037
C2-Naphthalenes	0.046	0.055	0.062	0.069
C3-Naphthalenes	0.039	0.045	0.052	0.058
C4-Naphthalenes	0.026	0.034	0.04	0.037
Acenaphthylene	0.00014 J	0.00022 J	0.00057 JB	0.00032 J
Acenaphthene	0.0012 JB	0.0016 J	0.0014	0.0017 J
Biphenyl	0.0075	0.0094	0.0088	0.011
Fluorene	0.0067	0.0085	0.0089	0.01
C1-Fluorenes	0.012	0.015	0.015	0.019
C2-Fluorenes	0.018	0.022	0.023	0.029
C3-Fluorenes	0.021	0.027	0.026	0.034
Anthracene	0.00095 J	0.0014 J	0.0012	0.0015 J
Phenanthrene	0.025	0.032	0.031	0.041
C1-Phenanthrenes/anthracenes	0.041	0.054	0.049	0.064
C2-Phenanthrenes/anthracenes	0.041	0.055	0.046	0.064
C3-Phenanthrenes/anthracenes	0.023	0.03	0.028	0.036
C4-Phenanthrenes/anthracenes	0.026	0.03	0.025	0.034
Dibenzothiophene	0.0031	0.0038	0.0039	0.0047
C1-Dibenzothiophenes	0.0062	0.0078	0.0068	0.0095
C2-Dibenzothiophenes	0.0062	0.0074	0.007	0.0098
C3-Dibenzothiophenes	0.0042	0.0058	0.0053	0.0062
Fluoranthene	0.0056	0.008	0.0072	0.0095
Pyrene	0.0058	0.0081	0.007	0.0097
C1-Fluoranthenes/pyrenes	0.016	0.022	0.018	0.028
C2-Fluoranthenes/pyrenes	0.022	0.029	0.022	0.036
C3-Fluoranthenes/pyrenes	0.022	0.028	0.021	0.03
Benzo[a]anthracene	0.0019	0.0029	0.002	0.0034
Chrysene	0.0069	0.009	0.0076	0.011
C1-Chrysenes	0.01	0.014	0.0097	0.016
C2-Chrysenes	0.014	0.017	0.013	0.022
C3-Chrysenes	0.012	0.016	0.0086	0.019
C4-Chrysenes	0.011	0.013	0.0055	0.013
Benzo[b]fluoranthene	0.0042	0.0057	0.0039	0.0072
Benzo[k]fluoranthene	0.00042 J	0.00077 J	0.00045 J	0.00081 J
Benzo[e]pyrene	0.0043	0.0062	0.0039	0.0078
Benzo[a]pyrene	0.0014 J	0.0016 J	0.001	0.0022 J
Perylene	0.019	0.027	0.019	0.037
Indeno[1,2,3,-c,d]pyrene	0.00098 J	0.0016 J	0.0011	0.002 J
Dibenzo[a,h]anthracene	0.00078 J	0.001 J	0.00057 J	0.0012 J
Benzo[g,h,i]perylene	0.0041	0.006	0.0032	0.0081
Total PAH	0.55	0.7	0.64	0.86
d8-Naphthalene	57	64	62	57
d10-Acenaphthene	61	67	65	59
d10-Phenanthrene	64	69	71	64
d12-Benzo[a]pyrene	58	63	72	54

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-13-01-00-PHC-S	97-3-13-02-00-PHC-S	97-3-13-03-00-PHC-S	97-3-13-04-00-PHC-S
Lab ID	97C1432	97C1428	97C1429	97C1434
SDG	SDGS007	SDGS007	SDGS007	SDGS007
File	DZ2160.D	DZ2156.D	DZ2157.D	DZ2162.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	18 g	19 g	18.3 g	19 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BL-S-04PB	BL-S-04PB	BL-S-04PB
Field Date	7/12/1997	7/12/1997	7/12/1997	7/12/1997
Extract Date	8/5/1997	8/5/1997	8/5/1997	8/5/1997
Analysis Date	8/30/1997	8/29/1997	8/29/1997	8/30/1997
Min Reporting Limit	0.00069	0.00066	0.00068	0.00066
Units	ug/g	ug/g	ug/g	ug/g
PAH				
Naphthalene	0.011	0.011	0.011	0.01 B
C1-Naphthalenes	0.029	0.028	0.029	0.026
C2-Naphthalenes	0.054	0.056	0.054	0.049
C3-Naphthalenes	0.043	0.044	0.044	0.042
C4-Naphthalenes	0.03	0.027	0.033	0.028
Acenaphthylene	0.00042 JB	0.0003 JB	0.0012	0.00057 JB
Acenaphthene	0.0014	0.0012	0.0012	0.0011 J
Biphenyl	0.0077	0.0078	0.0076	0.007
Fluorene	0.0075	0.0078	0.0076	0.0068
C1-Fluorenes	0.013	0.014	0.013	0.012
C2-Fluorenes	0.019	0.018	0.018	0.017
C3-Fluorenes	0.02	0.02	0.021	0.021
Anthracene	0.0011	0.00092	0.00097	0.00076 J
Phenanthrene	0.027	0.026	0.026	0.024
C1-Phenanthrenes/anthracenes	0.039	0.039	0.039	0.036
C2-Phenanthrenes/anthracenes	0.036	0.037	0.036	0.036
C3-Phenanthrenes/anthracenes	0.02	0.02	0.021	0.02
C4-Phenanthrenes/anthracenes	0.021	0.021	0.018	0.02
Dibenzothiophene	0.0032	0.0033	0.0034	0.0029
C1-Dibenzothiophenes	0.0056	0.0057	0.0054	0.0054
C2-Dibenzothiophenes	0.0057	0.0058	0.0059	0.0051
C3-Dibenzothiophenes	0.0036	0.0039	0.0041	0.0039
Fluoranthene	0.0057	0.0058	0.0055	0.0052
Pyrene	0.006	0.0059	0.0058	0.0051
C1-Fluoranthenes/pyrenes	0.015	0.014	0.014	0.014
C2-Fluoranthenes/pyrenes	0.017	0.017	0.015	0.017
C3-Fluoranthenes/pyrenes	0.016	0.014	0.014	0.014
Benzo[a]anthracene	0.0015	0.0013	0.0014	0.0012
Chrysene	0.0052	0.0055	0.0052	0.0052
C1-Chrysenes	0.0076	0.0072	0.0065	0.0073
C2-Chrysenes	0.0091	0.0087	0.008	0.0085
C3-Chrysenes	0.0071	0.0076	0.0071	0.0066
C4-Chrysenes	0.0052	0.0064	0.0038	0.0064
Benzo[b]fluoranthene	0.0031	0.0028	0.0025	0.0029
Benzo[k]fluoranthene	0.00039 J	0.00032 J	0.00034 J	0.00032 J
Benzo[e]pyrene	0.0026	0.0026	0.0028	0.0027
Benzo[a]pyrene	0.00075 J	0.00061 J	0.00087 J	0.0008 J
Perylene	0.013	0.013	0.011	0.011
Indeno[1,2,3,-c,d]pyrene	0.00067 J	0.00062 J	0.00058 J	0.00085 J
Dibenzo[a,h]anthracene	0.00042 J	0.00047 J	0.00038 J	0.00039 J
Benzo[g,h,i]perylene	0.0026	0.0025	0.0022	0.0022
Total PAH	0.52	0.51	0.51	0.49
d8-Naphthalene	67	64	71	50
d10-Acenaphthene	69	70	72	53
d10-Phenanthrene	75	76	80	59
d12-Benzo[a]pyrene	76	77	76	59

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-13-05-00-PHC-S	97-3-13-06-00-PHC-S	97-3-13-07-00-PHC-S	97-3-14-01-00-PHC-S
Lab ID	97C1431	97C1433	97C1435	97C1426
SDG	SDGS007	SDGS007	SDGS007	SDGS007
File	DZ2159.D	DZ2161.D	DZ2164.D	DZ2154.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	20.8 g	19 g	19.9 g	17.7 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BL-S-04PB	BL-S-04PB	BL-S-04PB	BL-S-04PB
Field Date	7/12/1997	7/12/1997	7/12/1997	7/12/1997
Extract Date	8/5/1997	8/5/1997	8/5/1997	8/5/1997
Analysis Date	8/30/1997	8/30/1997	8/30/1997	8/29/1997
Min Reporting Limit	0.0006	0.00066	0.00063	0.00071
Units	ug/g	ug/g	ug/g	ug/g

PAH

Naphthalene	0.01	0.011	0.0098	0.0098
C1-Naphthalenes	0.028	0.028	0.026	0.025
C2-Naphthalenes	0.054	0.054	0.05	0.044
C3-Naphthalenes	0.046	0.045	0.042	0.034
C4-Naphthalenes	0.031	0.032	0.03	0.022
Acenaphthylene	0.00021 JB	0.00018 JB	0.00017 JB	0.0011 B
Acenaphthene	0.0012	0.0012	0.0011	0.0012
Biphenyl	0.0078	0.0075	0.0072	0.0062
Fluorene	0.0076	0.0073	0.007	0.0061
C1-Fluorenes	0.014	0.014	0.012	0.0097
C2-Fluorenes	0.019	0.02	0.017	0.014
C3-Fluorenes	0.022	0.022	0.022	0.016
Anthracene	0.0011	0.00097	0.00098	0.00077 J
Phenanthrene	0.026	0.026	0.025	0.02
C1-Phenanthrenes/anthracenes	0.042	0.04	0.038	0.028
C2-Phenanthrenes/anthracenes	0.042	0.039	0.036	0.026
C3-Phenanthrenes/anthracenes	0.025	0.023	0.022	0.016
C4-Phenanthrenes/anthracenes	0.022	0.025	0.022	0.014
Dibenzothiophene	0.0033	0.0034	0.0029	0.0026
C1-Dibenzothiophenes	0.0058	0.006	0.0055	0.0046
C2-Dibenzothiophenes	0.0062	0.0062	0.0057	0.0041
C3-Dibenzothiophenes	0.0046	0.0042	0.0038	0.0027
Fluoranthene	0.0061	0.0058	0.0055	0.0047
Pyrene	0.0062	0.0061	0.0061	0.0044
C1-Fluoranthenes/pyrenes	0.017	0.016	0.014	0.01
C2-Fluoranthenes/pyrenes	0.019	0.018	0.019	0.012
C3-Fluoranthenes/pyrenes	0.018	0.017	0.016	0.01
Benzo[a]anthracene	0.0017	0.0016	0.0014	0.0011
Chrysene	0.0065	0.0068	0.0061	0.004
C1-Chrysenes	0.0092	0.0092	0.0077	0.0051
C2-Chrysenes	0.011	0.011	0.0098	0.0064
C3-Chrysenes	0.0097	0.01	0.0094	0.0047
C4-Chrysenes	0.0057	0.0086	0.0017	0.0031
Benzo[b]fluoranthene	0.0033	0.0034	0.0032	0.002
Benzo[k]fluoranthene	0.00039 J	0.00039 J	0.00042 J	0.00026 J
Benzo[e]pyrene	0.0034	0.0034	0.0032	0.0019
Benzo[a]pyrene	0.001	0.001	0.00082 J	0.00053 J
Perylene	0.016	0.016	0.013	0.0085
Indeno[1,2,3,-c,d]pyrene	0.00085	0.00084 J	0.00073 J	0.00052 J
Dibenzo[a,h]anthracene	0.00055 J	0.00045 J	0.00046 J	0.00029 J
Benzo[g,h,i]perylene	0.0034	0.003	0.0025	0.0016

Total PAH	0.56	0.55	0.51	0.39
d8-Naphthalene	67	68	63	64
d10-Acenaphthene	67	71	64	64
d10-Phenanthrene	72	77	69	70
d12-Benzo[a]pyrene	73	77	68	73

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	97-3-15-01-00-PHC-S	97-3-20-01-00-PHC-S
Lab ID	97C1424	97C1263
SDG	SDGS003	SDGS008
File	DZ0071.D	DZ2189.D
Sample Type	SAMP	SAMP
Matrix	Sediment	Sediment
Sample Size	19 g	16.1 g
Weight Basis	DRY	DRY
Associated Blank	BK-S-91PB	BL-S-07PB
Field Date	7/12/1997	7/11/1997
Extract Date	7/24/1997	8/6/1997
Analysis Date	8/9/1997	8/31/1997
Min Reporting Limit	0.00066	0.00078
Units	ug/g	ug/g

PAH		
Naphthalene	0.0082	0.013
C1-Naphthalenes	0.02	0.03
C2-Naphthalenes	0.034	0.059
C3-Naphthalenes	0.034	0.051
C4-Naphthalenes	0.019	0.034
Acenaphthylene	0.0002 J	0.0002 J
Acenaphthene	0.00079	0.0014
Biphenyl	0.0081	0.0095
Fluorene	0.0043	0.0092
C1-Fluorenes	0.0075	0.016
C2-Fluorenes	0.01	0.024
C3-Fluorenes	0.012	0.027
Anthracene	0.00044 J	0.0015
Phenanthrene	0.015	0.034
C1-Phenanthrenes/anthracenes	0.022	0.053
C2-Phenanthrenes/anthracenes	0.018	0.053
C3-Phenanthrenes/anthracenes	0.011	0.029
C4-Phenanthrenes/anthracenes	0.0092	0.069
Dibenzothiophene	0.0019	0.0042
C1-Dibenzothiophenes	0.0028	0.0069
C2-Dibenzothiophenes	0.0028	0.0079
C3-Dibenzothiophenes	0.002	0.0055
Fluoranthene	0.0031	0.0077
Pyrene	0.0034	0.0081
C1-Fluoranthenes/pyrenes	0.0078	0.024
C2-Fluoranthenes/pyrenes	0.0091	0.031
C3-Fluoranthenes/pyrenes	0.008	0.027
Benzo[a]anthracene	0.0012	0.0029
Chrysene	0.0039	0.0097
C1-Chrysenes	0.0052	0.016
C2-Chrysenes	0.0069	0.019
C3-Chrysenes	0.0039	0.016
C4-Chrysenes	0.0027	0.013
Benzo[b]fluoranthene	0.0022	0.0058
Benzo[k]fluoranthene	0.00033 J	0.00043 J
Benzo[e]pyrene	0.0022	0.007
Benzo[a]pyrene	0.00079	0.002
Perylene	0.0077	0.035
Indeno[1,2,3,-c,d]pyrene	0.00054 J	0.0018
Dibenzo[a,h]anthracene	0.0004 J	0.0011 J
Benzo[g,h,i]perylene	0.0017	0.0072

Total PAH	0.31	0.77
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d8-Naphthalene	101	55
d10-Acenaphthene	90	59
d10-Phenanthrene	93	62
d12-Benzo[a]pyrene	90	51