

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - Field QC samples - PAH

Field ID	97-0-F1-01-00-PHC- EB	97-0-F1-01-00-PHC- EB1	97-0-F1-01-00-PHC- TB	97-0-F8-01-00-PHC- EB
Lab ID	97C1438	97C1437	97C1339	97C1436
SDG	SDGEB001	SDGEB001	SDGEB001	SDGEB001
File	W1236.D	W1235.D	W1398.D	W1233.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Water	Water	Blank	Water
Sample Size	1 L	0.84 L	1 L	0.88 L
Weight Basis	VOLUME	VOLUME	VOLUME	VOLUME
Associated Blank	BL-S-90PB	BL-S-90PB	BL-S-92PB	BL-S-90PB
Field Date	7/16/1997	7/16/1997	7/16/1997	7/15/1997
Extract Date	8/19/1997	8/19/1997	8/19/1997	8/19/1997
Analysis Date	8/28/1997	8/28/1997	9/10/1997	8/28/1997
Min Reporting Limit	0.012	0.015	0.012	0.014
Units	ug/L	ug/L	ug/L	ug/L
PAH				
Naphthalene	0.023 B	0.04 B	0.0093 JB	0.03 B
C1-Naphthalenes	0.0067 JB	0.01 JB	0.0026 JB	0.0074 JB
C2-Naphthalenes	ND	0.0066 JB	0.002 J	0.0042 JB
C3-Naphthalenes	ND	ND	ND	ND
C4-Naphthalenes	ND	ND	ND	ND
Acenaphthylene	0.002 JB	0.013 J	ND	0.0012 JB
Acenaphthene	0.005 JB	0.0038 JB	0.0017 JB	0.0028 JB
Biphenyl	0.0067 JB	0.0044 JB	0.0011 JB	0.0028 JB
Fluorene	0.0053 JB	0.0042 JB	0.0015 JB	0.0038 JB
C1-Fluorenes	ND	ND	ND	ND
C2-Fluorenes	ND	ND	ND	ND
C3-Fluorenes	ND	ND	ND	ND
Anthracene	0.0016 JB	0.0017 JB	0.00058 JB	0.0016 JB
Phenanthrene	0.012 JB	0.015 JB	0.004 JB	0.013 JB
C1-Phenanthrenes/anthracenes	ND	ND	ND	ND
C2-Phenanthrenes/anthracenes	ND	ND	ND	ND
C3-Phenanthrenes/anthracenes	ND	ND	ND	ND
C4-Phenanthrenes/anthracenes	ND	ND	ND	ND
Dibenzothiophene	ND	ND	ND	ND
C1-Dibenzothiophenes	ND	ND	ND	ND
C2-Dibenzothiophenes	ND	ND	ND	ND
C3-Dibenzothiophenes	ND	ND	ND	ND
Fluoranthene	0.003 JB	0.0041 JB	0.00093 J	0.0036 JB
Pyrene	0.0023 JB	0.0026 JB	0.0006 J	0.0026 JB
C1-Fluoranthenes/pyrenes	ND	ND	ND	ND
C2-Fluoranthenes/pyrenes	ND	ND	ND	ND
C3-Fluoranthenes/pyrenes	ND	ND	ND	ND
Benzo[a]anthracene	ND	ND	ND	ND
Chrysene	ND	0.0014 JB	ND	ND
C1-Chrysenes	ND	ND	ND	ND
C2-Chrysenes	ND	ND	ND	ND
C3-Chrysenes	ND	ND	ND	ND
C4-Chrysenes	ND	ND	ND	ND
Benzo[b]fluoranthene	0.00082 JB	0.0011 JB	ND	0.0014 JB
Benzo[k]fluoranthene	0.00062 JB	ND	ND	0.00081 JB
Benzo[e]pyrene	0.00068 JB	0.0011 JB	ND	0.00076 JB
Benzo[a]pyrene	0.00069 JB	0.00091 JB	ND	0.0011 JB
Perylene	0.00085 J	0.0055 J	ND	ND
Indeno[1,2,3,-c,d]pyrene	ND	0.0014 JB	ND	0.0014 JB
Dibenzo[a,h]anthracene	ND	0.0011 J	ND	0.0011 J
Benzo[g,h,i]perylene	0.0006 JB	0.0013 JB	ND	0.0015 JB
Total PAH	0.072	0.12	0.024	0.081
d8-Naphthalene	52	63	60	63
d10-Acenaphthene	64	71	65	69
d10-Phenanthrene	77	78	72	74
d12-Benzo[a]pyrene	68	67	74	59

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - Field QC samples - PAH

Field ID	97-1-09-01-00-PHC- DECK BLANK	97-2-F1-01-00-PHC- DB	97-2-14-01-00-PHC-1- EB	97-3-13-01-EQ-PHC- EB
Lab ID	97C1293	97C1423	97C1316	97C1439
SDG	SDGEB001	SDGEB001	SDGEB001	SDGEB001
File	W1401.D	W1397.D	W1400.D	W1237.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Blank	Water	Blank	Water
Sample Size	1 L	1 L	0.071 L	0.5 L
Weight Basis	VOLUME	VOLUME	VOLUME	VOLUME
Associated Blank	BL-S-92PB	BL-S-92PB	BL-S-92PB	BL-S-90PB
Field Date	7/14/1997	7/12/1997	7/13/1997	7/12/1997
Extract Date	8/19/1997	8/19/1997	8/19/1997	8/19/1997
Analysis Date	9/10/1997	9/10/1997	9/10/1997	8/28/1997
Min Reporting Limit	0.012	0.012	0.18	0.025
Units	ug/L	ug/L	ug/L	ug/L
PAH				
Naphthalene	0.012 JB	0.01 JB	0.17 J	0.056 B
C1-Naphthalenes	0.0032 JB	0.0029 JB	0.047 J	0.023 JB
C2-Naphthalenes	0.0024 J	0.0024 J	0.031 J	0.022 J
C3-Naphthalenes	ND	ND	ND	0.016 J
C4-Naphthalenes	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	0.0038 JB
Acenaphthene	0.0019 JB	0.0015 JB	0.026 J	0.0072 JB
Biphenyl	0.0012 JB	0.0012 JB	0.026 J	0.008 JB
Fluorene	0.0018 JB	0.0017 JB	0.026 J	0.0097 JB
C1-Fluorenes	ND	ND	ND	ND
C2-Fluorenes	ND	ND	ND	ND
C3-Fluorenes	ND	ND	ND	ND
Anthracene	0.0009 JB	0.00051 JB	0.0088 J	0.0036 JB
Phenanthrene	0.0057 JB	0.0049 JB	0.072 J	0.031 JB
C1-Phenanthrenes/anthracenes	0.0012 JB	0.0011 JB	0.019 J	0.017 J
C2-Phenanthrenes/anthracenes	ND	ND	ND	ND
C3-Phenanthrenes/anthracenes	ND	ND	ND	ND
C4-Phenanthrenes/anthracenes	ND	ND	ND	ND
Dibenzothiophene	ND	ND	ND	ND
C1-Dibenzothiophenes	ND	ND	ND	ND
C2-Dibenzothiophenes	ND	ND	ND	ND
C3-Dibenzothiophenes	ND	ND	ND	ND
Fluoranthene	0.0012 J	0.0011 J	0.024 J	0.0078 JB
Pyrene	0.00079 J	0.00061 J	0.016 J	0.0055 JB
C1-Fluoranthenes/pyrenes	ND	ND	ND	ND
C2-Fluoranthenes/pyrenes	ND	ND	ND	ND
C3-Fluoranthenes/pyrenes	ND	ND	ND	ND
Benzo[a]anthracene	ND	ND	ND	ND
Chrysene	ND	ND	ND	0.004 JB
C1-Chrysenes	ND	ND	ND	ND
C2-Chrysenes	ND	ND	ND	ND
C3-Chrysenes	ND	ND	ND	ND
C4-Chrysenes	ND	ND	ND	ND
Benzo[b]fluoranthene	ND	ND	ND	0.0035 JB
Benzo[k]fluoranthene	ND	ND	ND	0.0017 JB
Benzo[e]pyrene	ND	ND	ND	0.0024 JB
Benzo[a]pyrene	ND	ND	ND	0.0019 JB
Perylene	ND	ND	ND	0.0019 J
Indeno[1,2,3,-c,d]pyrene	ND	ND	ND	0.0019 JB
Dibenzo[a,h]anthracene	ND	ND	ND	0.00065 J
Benzo[g,h,i]perylene	ND	ND	ND	0.0019 JB
Total PAH	0.032	0.028	0.47	0.23
d8-Naphthalene	60	60	63	68
d10-Acenaphthene	68	66	70	74
d10-Phenanthrene	72	72	75	78
d12-Benzo[a]pyrene	74	73	75	72