

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10099819.D	10099820.D	10099821.D	10099822.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	10/10/1998	10/11/1998	10/11/1998	10/11/1998
Min Reporting Limit	0.019	0.017	0.018	0.017
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0044 JB	0.011 JB	0.0069 JB	0.0053 JB
nC10	0.0043 J	0.0037 J	0.0037 J	0.0047 J
nC11	0.017 J	0.008 JB	0.0095 JB	0.0071 JB
nC12	0.0059 J	0.0052 J	0.005 J	0.0071 J
nC13	0.0081 J	0.0077 J	0.0082 J	0.0084 J
1380	0.0043 J	0.0043 J	0.0042 J	0.0039 J
nC14	0.013 J	0.011 J	0.016 J	0.01 J
1470	0.011 J	0.012 J	0.011 J	0.0088 J
nC15	0.062	0.057	0.059	0.049
nC16	0.018 J	0.014 J	0.016 J	0.015 J
1650	0.0035 J	0.0029 J	0.0019 J	0.0026 J
nC17	0.038	0.03	0.03	0.03
pristane	0.033	0.029	0.027	0.031
nC18	0.015 J	0.013 J	0.012 J	0.012 J
phytane	0.0081 J	0.0087 J	0.0078 J	0.0082 J
nC19	0.035	0.03	0.028	0.026
nC20	0.025	0.023	0.022	0.02
nC21	0.49	0.51	0.46	0.42
nC22	0.071	0.066	0.063	0.061
nC23	0.17	0.18	0.18	0.18
nC24	0.058	0.069	0.066	0.068
nC25	0.25	0.26	0.27	0.26
nC26	0.056	0.058	0.054	0.053
nC27	0.54	0.55	0.58	0.6
nC28	0.14	0.16	0.17	0.16
nC29	0.48	0.49	0.52	0.49
nC30	0.2	0.15	0.13	0.093
nC31	0.54	0.56	0.57	0.56
nC32	0.3	0.18	0.17	0.13
nC33	0.099	0.096	0.14	0.14
nC34	0.32	0.22	0.2	0.088
nC35	0.068	0.037	0.036	0.036
nC36	0.012 J	ND	ND	ND
nC37	ND	ND	ND	ND
nC38	0.046	0.04	0.049	0.046
nC39	0.04	ND	ND	ND
nC40	ND	ND	ND	ND
Total Resolved	29	22	22	21
TPHC	56	48	48	44
OTP	53	54	53	57
5AA	55	55	55	59
D50T	60	62	61	64

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10099823.D	10099824.D	10099825.D	10099826.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	10/11/1998	10/11/1998	10/11/1998	10/11/1998
Min Reporting Limit	0.017	0.016	0.016	0.016
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	0.007 JB	0.0084 JB	0.0061 JB
nC10	0.0041 J	0.005 J	0.0052 J	0.003 J
nC11	0.0067 JB	0.016	0.026	0.026
nC12	0.0076 J	0.0063 J	0.0068 J	0.0036 J
nC13	0.0088 J	0.01 J	0.009 J	0.006 J
1380	0.0038 J	0.0042 J	0.0043 J	0.003 J
nC14	0.011 J	0.017	0.013 J	0.013 J
1470	0.011 J	0.012 J	0.009 J	0.0074 J
nC15	0.056	0.058	0.053	0.059
nC16	0.013 J	0.014 J	0.013 J	0.013 J
1650	0.0024 J	0.0023 J	0.0017 J	0.0014 J
nC17	0.029	0.03	0.12	0.024
pristane	0.033	0.024	0.051	0.019
nC18	0.012 J	0.012 J	0.01 J	0.0074 J
phytane	0.0071 J	0.0071 J	0.0064 J	0.0037 J
nC19	0.025	0.025	0.024	0.017
nC20	0.02	0.021	0.015 J	0.012 J
nC21	0.38	0.4	0.37	0.3
nC22	0.059	0.057	0.043	0.043
nC23	0.16	0.15	0.13	0.12
nC24	0.071	0.07	0.062	0.057
nC25	0.24	0.23	0.2	0.19
nC26	0.05	0.046	0.047	0.037
nC27	0.51	0.49	0.42	0.4
nC28	0.14	0.14	0.13	0.12
nC29	0.44	0.44	0.37	0.35
nC30	0.1	0.11	0.073	0.093
nC31	0.5	0.51	0.44	0.39
nC32	0.11	0.093	0.095	0.1
nC33	0.12	0.14	0.086	0.11
nC34	0.15	0.088	0.065	0.12
nC35	0.031	0.027	0.028	0.021
nC36	ND	ND	ND	ND
nC37	ND	ND	ND	ND
nC38	0.048	0.073	0.078	0.061
nC39	ND	0.06	0.06	0.075
nC40	ND	ND	0.0064 J	0.015 J
Total Resolved	21	19	20	17
TPHC	43	42	35	32
OTP	55	53	52	55
5AA	56	54	56	58
D50T	63	62	63	65

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10099827.D	10099830.D	10099831.D	10099832.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	10/11/1998	10/11/1998	10/11/1998	10/11/1998
Min Reporting Limit	0.015	0.016	0.016	0.016
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	ND	ND	ND
nC10	0.0019 J	0.0033 J	0.0024 J	0.0031 J
nC11	0.015	0.033	0.03	0.025
nC12	0.0072 J	0.0058 J	0.015 J	0.011 J
nC13	0.0051 J	0.0067 J	0.0069 J	0.0075 J
1380	0.0037 J	0.0041 J	0.003 J	0.004 J
nC14	0.0089 J	0.012 J	0.0082 J	0.0093 J
1470	0.0077 J	0.0094 J	0.0078 J	0.0098 J
nC15	0.044	0.049	0.038	0.043
nC16	0.012 J	0.012 J	0.011 J	0.014 J
1650	0.0022 J	0.0017 J	0.0016 J	0.002 J
nC17	0.022	0.024	0.021	0.025
pristane	0.019	0.023	0.025	0.034
nC18	0.01 J	0.0088 J	0.0092 J	0.011 J
phytane	0.0057 J	0.0059 J	0.0048 J	0.0065 J
nC19	0.022	0.024	0.018	0.022
nC20	0.019	0.021	0.016	0.021
nC21	0.46	0.57	0.34	0.37
nC22	0.058	0.056	0.056	0.056
nC23	0.15	0.16	0.14	0.14
nC24	0.067	0.075	0.08	0.053
nC25	0.22	0.24	0.22	0.23
nC26	0.045	0.046	0.045	0.047
nC27	0.45	0.47	0.44	0.44
nC28	0.13	0.16	0.15	0.17
nC29	0.4	0.45	0.4	0.4
nC30	0.078	0.078	0.074	0.088
nC31	0.46	0.48	0.44	0.49
nC32	0.094	0.067	0.078	0.096
nC33	0.14	0.16	0.1	0.12
nC34	0.13	0.073	0.069	0.14
nC35	0.028	0.035	0.024	0.024
nC36	ND	ND	ND	ND
nC37	ND	ND	ND	ND
nC38	0.022	0.032	0.022	0.17
nC39	0.018	0.029	0.027	0.2
nC40	ND	ND	ND	0.027
Total Resolved	18	20	20	22
TPHC	34	35	34	35
OTP	53	53	52	49
5AA	55	55	54	51
D50T	60	60	61	55

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Environmental Monitoring and Analysis

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

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

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	10109842.D	10109844.D	10109850.D	10109829.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	10/11/1998	10/11/1998	10/12/1998	10/11/1998
Min Reporting Limit	0.013	0.013	0.013	0.013
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0031 J	0.003 J	0.0032 J	0.0028 J
nC10	0.0038 J	0.0039 J	0.0059 J	0.0043 J
nC11	0.0034 J	0.0043 J	0.0057 J	0.0048 J
nC12	0.0041 J	0.0043 J	0.0054 J	0.0044 J
nC13	0.0066 J	0.0052 J	0.0062 J	0.0056 J
1380	0.0026 J	0.0019 J	0.0025 J	0.0021 J
nC14	0.011 J	0.0095 J	0.012 J	0.0059 J
1470	0.0059 J	0.0049 J	0.0059 J	0.0043 J
nC15	0.014	0.0087 J	0.011 J	0.01 J
nC16	0.016	0.0073 J	0.0086 J	0.0068 J
1650	0.0092 J	0.0032 J	0.0029 J	0.0023 J
nC17	0.028	0.0088 J	0.011 J	0.0097 J
pristane	0.019	0.0084 J	0.0093 J	0.0088 J
nC18	0.025	0.0067 J	0.0081 J	0.0089 J
phytane	0.012 J	0.0021 J	0.0039 J	0.0024 J
nC19	0.024	0.011 J	0.011 J	0.019
nC20	0.02	0.0063 J	0.0084 J	0.0082 J
nC21	0.022	0.015	0.018	0.015
nC22	0.016	0.011 J	0.013	0.014
nC23	0.025	0.026	0.033	0.032
nC24	0.012 J	0.011 J	0.014	0.019
nC25	0.033	0.042	0.052	0.061
nC26	0.012 J	0.012 J	0.015	0.015
nC27	0.066	0.092	0.11	0.11
nC28	0.0099 J	0.011 J	0.013	0.016
nC29	0.042	0.053	0.07	0.077
nC30	0.026	0.025	0.033	0.0078 J
nC31	0.032	0.041	0.049	0.047
nC32	0.0026 J	0.005 J	0.0054 J	0.032
nC33	0.017	0.019	0.024	0.026
nC34	0.0062 J	0.0078 J	0.0081 J	0.0092 J
nC35	0.063	0.15	0.11	0.0024 J
nC36	0.0017 J	ND	0.0036 J	0.0018 J
nC37	0.0036 J	0.0021 J	0.0033 J	0.0021 J
nC38	0.0028 J	0.0023 J	0.0025 J	0.0016 J
nC39	0.0049 J	0.0047 J	0.0059 J	0.0089 J
nC40	0.0021 J	ND	ND	0.0013 J
Total Resolved	2.5	3	3.4	3.2
TPHC	4.5	5	5.9	7.6
OTP	69	67	68	67
5AA	69	67	68	67
D50T	70	68	68	68

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Environmental Monitoring and Analysis

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

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

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	10109854.D	10029855.D	10109838.D	10109852.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	10/12/1998	10/4/1998	10/11/1998	10/12/1998
Min Reporting Limit	0.013	0.012	0.012	0.012
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.003 J	ND	0.0029 J	0.0036 J
nC10	0.0052 J	0.0025 JB	0.0041 J	0.0036 J
nC11	0.0046 J	0.0035 J	0.0059 J	0.0065 J
nC12	0.0049 J	0.0034 J	0.0049 J	0.005 J
nC13	0.0062 J	0.0056 J	0.0061 J	0.0057 J
1380	0.0023 J	0.0021 J	0.0025 J	0.0024 J
nC14	0.011 J	0.0057 J	0.011 J	0.01 J
1470	0.0054 J	0.0087 J	0.0053 J	0.005 J
nC15	0.012 J	0.009 J	0.01 J	0.009 J
nC16	0.0086 J	0.0061 J	0.008 J	0.0076 J
1650	0.0041 J	0.0026 J	0.0041 J	0.0034 J
nC17	0.011 J	0.014	0.011 J	0.0097 J
pristane	0.0098 J	0.0085 J	0.01 J	0.0097 J
nC18	0.009 J	0.0067 J	0.0081 J	0.007 J
phytane	0.0024 J	0.0016 J	0.0027 J	0.002 J
nC19	0.012 J	0.01 J	0.013	0.012
nC20	0.008 J	0.05	0.014	0.011 J
nC21	0.018	0.014	0.018	0.018
nC22	0.014	0.012	0.014	0.013
nC23	0.034	0.028	0.032	0.031
nC24	0.016	0.014	0.015	0.014
nC25	0.056	0.046	0.054	0.055
nC26	0.017	0.013 B	0.015	0.013
nC27	0.12	0.1	0.12	0.12
nC28	0.015	0.012 B	0.013	0.012
nC29	0.075	0.06	0.074	0.071
nC30	0.032	0.033	0.044	0.034
nC31	0.046	0.045	0.057	0.044
nC32	0.0063 J	0.0099 JB	0.0043 J	0.031
nC33	0.021	0.021	0.022	0.05
nC34	0.0057 J	0.0059 JB	0.0058 J	0.005 J
nC35	0.11	0.091	0.12	0.18
nC36	0.002 J	0.0028 J	0.0054 J	0.0026 J
nC37	0.002 J	0.0037 J	0.0022 J	0.0019 J
nC38	ND	0.0042 J	0.0015 J	0.0013 J
nC39	0.0057 J	0.0053 J	0.0039 J	0.0018 J
nC40	ND	0.0029 J	ND	ND
Total Resolved	3.4	3.5	3.3	3.9
TPHC	5.9	8.6	5	5.8
OTP	65	74	67	67
5AA	64	76	67	67
D50T	65	77	68	68

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

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

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	10109836.D	10109840.D	10029846.D	10029848.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	10/11/1998	10/11/1998	10/4/1998	10/4/1998
Min Reporting Limit	0.012	0.012	0.044	0.038
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0029 J	0.0034 J	0.0083 J	0.0077 J
nC10	0.0039 J	0.0041 J	0.02 J	0.02 J
nC11	0.004 J	0.0061 J	0.022 J	0.022 J
nC12	0.0044 J	0.005 J	0.022 J	0.022 J
nC13	0.0055 J	0.0061 J	0.027 J	0.026 J
1380	0.0021 J	0.0019 J	0.012 J	0.011 J
nC14	0.01 J	0.01 J	0.045	0.038
1470	0.0049 J	0.0049 J	0.021 J	0.018 J
nC15	0.01 J	0.0093 J	0.051	0.049
nC16	0.0077 J	0.0081 J	0.03 J	0.028 J
1650	0.0033 J	0.0039 J	0.018 J	0.016 J
nC17	0.0087 J	0.0092 J	0.036 J	0.035 J
pristane	0.0096 J	0.012	0.1	0.091
nC18	0.0069 J	0.008 J	0.035 J	0.03 J
phytane	0.0023 J	0.0022 J	0.012 J	0.012 J
nC19	0.011 J	0.011 J	0.043 J	0.041
nC20	0.0095 J	0.0088 J	0.053	0.051
nC21	0.016	0.016	0.045	0.041
nC22	0.012	0.013	0.033 J	0.031 J
nC23	0.029	0.028	0.056	0.049
nC24	0.011 J	0.014	0.031 J	0.028 J
nC25	0.051	0.054	0.075	0.073
nC26	0.014	0.014	0.038 J	0.032 J
nC27	0.12	0.13	0.19	0.19
nC28	0.012	0.011 J	0.034 J	0.031 JB
nC29	0.065	0.062	0.11	0.1
nC30	0.03	0.043	0.033 J	0.037 J
nC31	0.039	0.038	0.065	0.072
nC32	0.0043 J	0.0046 J	0.018 J	0.013 J
nC33	0.018	0.018	0.04 J	0.041
nC34	0.0046 J	0.0055 J	ND	ND
nC35	0.13	0.12	0.02 J	0.021 J
nC36	0.004 J	0.0045 J	0.0067 J	0.0082 J
nC37	0.0021 J	0.0015 J	ND	ND
nC38	0.0012 J	ND	ND	ND
nC39	ND	ND	ND	0.041
nC40	ND	ND	ND	0.034 J
Total Resolved	2.9	2.9	10	10
TPHC	4.5	4.3	22	24
OTP	66	67	73	76
5AA	66	67	74	77
D50T	68	68	79	82

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10029850.D	10029840.D	10029842.D	10029844.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	10/4/1998	10/4/1998	10/4/1998	10/4/1998
Min Reporting Limit	0.037	0.038	0.03	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0071 J	0.0055 J	0.0072 J	ND
nC10	0.02 J	0.016 J	0.02 J	0.0092 JB
nC11	0.021 J	0.019 J	0.023 J	0.013 J
nC12	0.021 J	0.02 J	0.024 J	0.019 J
nC13	0.024 J	0.024 J	0.028 J	0.025 J
1380	0.012 J	0.013 J	0.013 J	0.011 J
nC14	0.041	0.041	0.044	0.043
1470	0.018 J	0.02 J	0.02 J	0.02 J
nC15	0.052	0.055	0.056	0.056
nC16	0.03 J	0.032 J	0.032	0.031
1650	0.016 J	0.016 J	0.018 J	0.016 J
nC17	0.036 J	0.038	0.037	0.038
pristane	0.1	0.15	0.1	0.1
nC18	0.032 J	0.034 J	0.031	0.033
phytane	0.012 J	0.013 J	0.01 J	0.013 J
nC19	0.045	0.046	0.041	0.039
nC20	0.056	0.056	0.057	0.056
nC21	0.042	0.046	0.039	0.042
nC22	0.032 J	0.046	0.032	0.039
nC23	0.052	0.081	0.049	0.07
nC24	0.031 J	0.07	0.028 J	0.056
nC25	0.073	0.13	0.073	0.11
nC26	0.034 J	0.089	0.032	0.076
nC27	0.16	0.22	0.17	0.21
nC28	0.037	0.081	0.043	0.062
nC29	0.15	0.18	0.13	0.14
nC30	0.054	0.08	0.067	0.061
nC31	0.085	0.12	0.13	0.096
nC32	0.0096 JB	0.032 J	0.023 J	0.038
nC33	0.048	0.064	0.048	0.036
nC34	ND	ND	ND	0.014 J
nC35	0.017 J	0.024 J	0.046	0.02 J
nC36	0.0091 J	0.012 J	0.02 J	0.0093 J
nC37	ND	ND	ND	ND
nC38	0.018 J	0.023 J	0.021 J	0.024 J
nC39	0.094	0.098	0.2	0.13
nC40	0.07	0.082	0.11	0.12
Total Resolved	13	14	18	9.4
TPHC	27	31	36	19
OTP	73	72	71	76
5AA	74	72	73	76
D50T	78	76	76	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 - SHC

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	10029830.D	10029832.D	10029838.D	10029824.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	0.028	0.028	0.031	0.036
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0068 J	0.017 J	0.019 J	0.009 J
nC10	0.017 J	0.018 J	0.021 J	0.021 J
nC11	0.02 J	0.028	0.027 J	0.025 J
nC12	0.021 J	0.022 J	0.024 J	0.026 J
nC13	0.025 J	0.027 J	0.027 J	0.03 J
1380	0.011 J	0.012 J	0.013 J	0.014 J
nC14	0.041	0.047	0.044	0.046
1470	0.018 J	0.019 J	0.02 J	0.021 J
nC15	0.051	0.055	0.054	0.06
nC16	0.031	0.031	0.03 J	0.036
1650	0.017 J	0.018 J	0.016 J	0.018 J
nC17	0.037	0.037	0.038	0.039
pristane	0.1	0.1	0.097	0.11
nC18	0.032	0.033	0.032	0.033 J
phytane	0.011 J	0.014 J	0.014 J	0.011 J
nC19	0.04	0.043	0.042	0.038
nC20	0.053	0.057	0.055	0.061
nC21	0.041	0.04	0.037	0.044
nC22	0.031	0.031	0.03 J	0.034 J
nC23	0.049	0.052	0.048	0.053
nC24	0.03	0.033	0.031	0.03 J
nC25	0.076	0.078	0.076	0.086
nC26	0.035	0.038	0.039	0.033 J
nC27	0.18	0.19	0.21	0.22
nC28	0.048	0.048	0.049	0.051
nC29	0.14	0.14	0.14	0.17
nC30	0.072	0.068	0.066	0.082
nC31	0.11	0.11	0.1	0.13
nC32	ND	ND	ND	0.039
nC33	0.049	0.055	0.044	0.063
nC34	0.038	ND	0.023 J	0.05
nC35	0.032	0.038	0.028 J	0.048
nC36	0.017 J	0.018 J	0.015 J	0.023 J
nC37	ND	ND	ND	ND
nC38	0.026 J	0.027 J	0.029 J	0.035 J
nC39	0.23	0.23	0.2	0.25
nC40	0.14	0.15	0.13	0.17
Total Resolved	19	19	19	25
TPHC	37	36	36	47
OTP	68	70	53	68
5AA	70	73	55	71
D50T	73	76	58	74



**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10029826.D	10029828.D	10029856.D	10029854.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	0.035	0.025	0.025	0.022
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.017 J	0.0068 J	0.0068 J	0.0066 J
nC10	0.016 J	0.018 J	0.016 J	0.018 J
nC11	0.028 J	0.023 J	0.025	0.02 J
nC12	0.02 J	0.023 J	0.021 J	0.022
nC13	0.025 J	0.026	0.026	0.027
1380	0.012 J	0.013 J	0.013 J	0.012 J
nC14	0.042	0.046	0.044	0.048
1470	0.019 J	0.021 J	0.019 J	0.019 J
nC15	0.055	0.058	0.056	0.057
nC16	0.033 J	0.032	0.031	0.032
1650	0.017 J	0.016 J	0.016 J	0.018 J
nC17	0.038	0.036	0.039	0.042
pristane	0.096	0.1	0.098	0.1
nC18	0.031 J	0.034	0.031	0.035
phytane	0.013 J	0.011 J	0.014 J	0.016 J
nC19	0.04	0.037	0.037	0.04
nC20	0.063	0.055	0.061	0.059
nC21	0.036	0.034	0.036	0.04
nC22	0.032 J	0.034	0.03	0.035
nC23	0.052	0.055	0.047	0.053
nC24	0.032 J	0.034	0.026	0.028
nC25	0.08	0.08	0.084	0.078
nC26	0.033 J	0.037	0.024 JB	0.031
nC27	0.2	0.21	0.17	0.17
nC28	0.046	0.052	0.03 B	0.03 B
nC29	0.16	0.16	0.11	0.11
nC30	0.061	0.087	0.04	0.046
nC31	0.097	0.13	0.062	0.07
nC32	ND	0.029	0.083	0.012 JB
nC33	0.048	0.042	0.063	0.047
nC34	0.016 J	0.049	0.014 J	0.0084 J
nC35	0.022 J	0.067	0.021 J	0.016 J
nC36	ND	0.019 J	0.011 J	0.0095 J
nC37	ND	ND	ND	ND
nC38	0.029 J	0.027	0.023 J	0.028
nC39	0.21	0.23	0.18	0.18
nC40	0.14	0.17	0.14	0.13
Total Resolved	21	25	18	15
TPHC	39	46	34	29
OTP	69	66	72	68
5AA	71	70	75	73
D50T	75	73	78	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 - SHC

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	10029852.D	10029849.D	10029847.D	10029845.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	0.021	0.019	0.019	0.02
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0069 J	0.0054 J	0.018 J	0.72
nC10	0.017 J	0.014 J	0.018 J	0.021
nC11	0.02 J	0.021	0.031	0.033
nC12	0.023	0.035	0.034	0.033
nC13	0.028	0.029	0.033	0.033
1380	0.012 J	0.012 J	0.011 J	0.013 J
nC14	0.04	0.028	0.031	0.038
1470	0.019 J	0.03	0.03	0.028
nC15	0.056	0.06	0.061	0.062
nC16	0.032	0.031	0.031	0.031
1650	0.018 J	0.014 J	0.016 J	0.017 J
nC17	0.036	0.052	0.052	0.053
pristane	0.095	0.079	0.076	0.072
nC18	0.032	0.039	0.038	0.035
phytane	0.015 J	0.018 J	0.02	0.016 J
nC19	0.04	0.039	0.037	0.039
nC20	0.057	0.037	0.039	0.045
nC21	0.044	0.04	0.043	0.034
nC22	0.03	0.034	0.035	0.035
nC23	0.05	0.054	0.16	0.052
nC24	0.028	0.038	0.038	0.03
nC25	0.074	0.08	0.077	0.072
nC26	0.037	0.034	0.044	0.031
nC27	0.16	0.17	0.16	0.15
nC28	0.032	0.028 B	0.03 B	0.0069 JB
nC29	0.11	0.11	0.11	0.099
nC30	0.046	0.067	0.064	0.062
nC31	0.07	0.097	0.1	0.084
nC32	ND	0.056	0.058	0.039
nC33	0.049	0.044	0.04	0.03
nC34	0.0065 J	0.045	0.042	0.035
nC35	0.02 J	0.075	0.076	0.071
nC36	0.011 J	0.0064 J	0.0081 J	0.0046 J
nC37	ND	0.025	0.021	0.016 J
nC38	0.024	0.033	0.032	0.028
nC39	0.19	0.21	0.14	0.044
nC40	0.094	0.1	0.076	0.018 J
Total Resolved	12	13	16	17
TPHC	25	26	30	31
OTP	69	70	68	73
5AA	71	73	70	77
D50T	75	72	69	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 - SHC

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	10029851.D	10029853.D	10109835.D	10109839.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	10/11/1998	10/11/1998
Min Reporting Limit	0.019	0.018	0.027	0.024
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0094 J	0.0081 J	0.009 J	0.012 J
nC10	0.019	0.016 J	0.018 J	0.019 J
nC11	0.026	0.022	0.025 J	0.025
nC12	0.032	0.026	0.022 J	0.023 J
nC13	0.034	0.03	0.028	0.029
1380	0.012 J	0.011 J	0.012 J	0.012 J
nC14	0.03	0.027	0.028	0.028
1470	0.032	0.029	0.021 J	0.025
nC15	0.058	0.055	0.047	0.052
nC16	0.03	0.028	0.031	0.032
1650	0.014 J	0.014 J	0.013 J	0.014 J
nC17	0.051	0.048	0.04	0.044
pristane	0.067	0.064	0.13	0.12
nC18	0.035	0.034	0.039	0.041
phytane	0.015 J	0.015 J	0.013 J	0.013 J
nC19	0.04	0.037	0.096	0.15
nC20	0.048	0.047	0.034	0.039
nC21	0.043	0.04	0.04	0.045
nC22	0.034	0.032	0.043	0.049
nC23	0.051	0.048	0.054	0.068
nC24	0.035	0.034	0.038	0.054
nC25	0.074	0.072	0.07	0.086
nC26	0.031	0.03	0.032	0.043
nC27	0.16	0.15	0.12	0.14
nC28	0.026 B	0.026 B	0.034	0.042
nC29	0.097	0.09	0.092	0.11
nC30	0.062	0.061	0.026 J	0.028
nC31	0.084	0.079	0.11	0.17
nC32	0.037	0.03	0.035	0.059
nC33	0.032	0.029	0.077	0.067
nC34	0.034	0.029	0.056	0.071
nC35	0.072	0.068	0.026 J	0.033
nC36	0.0043 J	0.0038 J	0.01 J	0.025
nC37	0.014 J	0.01 J	ND	0.017 J
nC38	0.022	0.016 J	0.0053 J	0.023 J
nC39	0.096	0.037	0.069	0.075
nC40	0.0069 J	0.0031 J	0.011 J	0.033
Total Resolved	8.5	7.8	10	11
TPHC	20	18	20	22
OTP	72	73	71	70
5AA	74	75	70	70
D50T	74	74	70	69

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10109831.D	10109833.D	10109837.D	10109841.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	10/11/1998	10/11/1998	10/11/1998	10/11/1998
Min Reporting Limit	0.025	0.024	0.023	0.022
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.014 J	0.012 J	0.011 J	0.012 J
nC10	0.023 J	0.021 J	0.02 J	0.021 J
nC11	0.029	0.028	0.03	0.029
nC12	0.027	0.026	0.025	0.028
nC13	0.033	0.032	0.031	0.034
1380	0.016 J	0.015 J	0.012 J	0.015 J
nC14	0.032	0.032	0.033	0.033
1470	0.024 J	0.025	0.024	0.024
nC15	0.06	0.056	0.056	0.061
nC16	0.036	0.036	0.037	0.036
1650	0.016 J	0.016 J	0.017 J	0.015 J
nC17	0.057	0.05	0.054	0.053
pristane	0.13	0.12	0.11	0.098
nC18	0.048	0.048	0.046	0.046
phytane	0.015 J	0.015 J	0.018 J	0.015 J
nC19	0.11	0.13	0.09	0.083
nC20	0.042	0.043	0.042	0.043
nC21	0.048	0.051	0.051	0.053
nC22	0.052	0.056	0.05	0.052
nC23	0.07	0.071	0.069	0.072
nC24	0.051	0.059	0.049	0.056
nC25	0.09	0.09	0.087	0.092
nC26	0.045	0.046	0.044	0.048
nC27	0.16	0.16	0.15	0.15
nC28	0.054	0.054	0.044	0.047
nC29	0.13	0.12	0.12	0.12
nC30	0.033	0.032	0.03	0.03
nC31	0.22	0.11	0.14	0.2
nC32	0.086	0.028	0.03	0.043
nC33	0.12	0.086	0.066	0.098
nC34	0.083	0.074	0.08	0.066
nC35	0.03	0.031	0.03	0.028
nC36	0.022 J	0.018 J	0.015 J	0.016 J
nC37	0.011 J	0.0038 J	0.0044 J	0.0047 J
nC38	0.0084 J	ND	ND	ND
nC39	0.06	0.064	0.062	0.071
nC40	0.022 J	0.018 J	0.021 J	0.0076 J
Total Resolved	13	12	10	11
TPHC	29	29	21	21
OTP	70	69	67	70
5AA	69	69	67	70
D50T	69	68	66	69

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	10109849.D	10109853.D	10109851.D	10109843.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	10/12/1998	10/12/1998	10/12/1998	10/11/1998
Min Reporting Limit	0.022	0.022	0.021	0.022
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.012 J	0.012 J	0.0096 J	0.01 J
nC10	0.02 J	0.021 J	0.02 J	0.018 J
nC11	0.028	0.027	0.032	0.027
nC12	0.026	0.024	0.026	0.024
nC13	0.032	0.028	0.032	0.031
1380	0.013 J	0.011 J	0.012 J	0.013 J
nC14	0.032	0.029	0.032	0.031
1470	0.024	0.021 J	0.024	0.023
nC15	0.057	0.051	0.058	0.052
nC16	0.036	0.035	0.038	0.035
1650	0.016 J	0.015 J	0.016 J	0.015 J
nC17	0.046	0.051	0.051	0.049
pristane	0.09	0.084	0.087	0.08
nC18	0.048	0.046	0.046	0.043
phytane	0.016 J	0.016 J	0.014 J	0.012 J
nC19	0.075	0.071	0.074	0.077
nC20	0.041	0.04	0.043	0.04
nC21	0.051	0.05	0.052	0.047
nC22	0.051	0.046	0.058	0.048
nC23	0.07	0.066	0.075	0.062
nC24	0.051	0.046	0.055	0.048
nC25	0.09	0.083	0.096	0.076
nC26	0.044	0.04	0.052	0.041
nC27	0.16	0.14	0.16	0.12
nC28	0.051	0.047	0.053	0.04
nC29	0.13	0.12	0.13	0.098
nC30	0.033	0.03	0.036	0.024
nC31	0.13	0.11	0.14	0.095
nC32	0.034	0.025	0.033	0.031
nC33	0.066	0.052	0.054	0.043
nC34	0.07	0.09	0.072	0.043
nC35	0.026	0.024	0.02 J	0.012 J
nC36	0.013 J	0.015 J	0.02 J	0.014 J
nC37	0.0026 J	0.0017 J	0.0047 J	0.0037 J
nC38	ND	0.0039 J	ND	ND
nC39	0.058	0.046	0.065	0.046
nC40	ND	0.0088 J	0.011 J	ND
Total Resolved	9.8	9	9.6	7.8
TPHC	18	18	19	16
OTP	65	65	67	66
5AA	66	65	68	66
D50T	66	65	67	67