

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	09109758.D	09109759.D	09109760.D	09039711.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	8/4/1997
Analysis Date	9/14/1997	9/14/1997	9/14/1997	9/1/1997
Min Reporting Limit	0.02	0.019	0.02	0.015
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	0.0016 J	ND	0.0088 J
nC10	ND	0.0075 J	0.0065 J	0.029
nC11	ND	0.0029 J	0.0029 J	0.015 J
nC12	ND	0.003 J	0.0025 J	0.0079 J
nC13	0.0034 J	0.0052 J	0.0042 J	0.0079 J
1380	0.0034 J	0.0033 J	0.0042 J	0.01 J
nC14	0.0058 J	0.006 J	0.0043 J	0.0086 J
1470	0.015 J	0.011 J	0.014 J	0.01 J
nC15	0.039	0.043	0.038	0.018 J
nC16	0.0094 J	0.0092 J	0.013 J	0.011 J
1650	0.0078 J	0.0078 J	0.008 J	0.0051 J
nC17	0.055	0.06	0.037	0.015 J
pristane	0.042	0.046	0.1	0.027
nC18	0.021 J	0.021 J	0.021 J	0.014 J
phytane	0.0078 J	0.0076 J	0.006 J	0.0029 J
nC19	0.06	0.00063 J	0.058	0.082
nC20	0.022 J	0.024 J	0.025 J	0.025
nC21	0.1	0.089	0.13	0.031
nC22	0.066	0.062	0.13	0.047
nC23	0.14	0.14	0.15	0.047
nC24	0.046	0.044	0.049	0.042
nC25	0.24	0.24	0.26	0.075
nC26	0.12	0.12	0.15	0.021
nC27	0.45	0.44	0.46	0.1
nC28	0.081	0.06	0.12	0.022
nC29	0.43	0.43	0.43	0.077
nC30	0.21	0.24	0.25	0.022
nC31	0.34	0.33	0.37	0.22
nC32	0.03	0.029 J	0.02 J	0.11
nC33	0.089	0.1	0.082	0.21
nC34	0.0085 J	0.013 J	0.066	0.054
nC35	0.16	0.13	0.18	ND
nC36	0.016 J	ND	0.028 J	ND
nC37	ND	ND	ND	0.0035 J
nC38	0.061	0.079	0.11	0.017 J
nC39	ND	ND	0.031	ND
nC40	0.0037 J	0.0019 J	ND	0.011 J
Total Resolved	19	22	29	16
TPHC	39	41	52	25
OTP	69	64	65	75
5AA	62	59	58	73
D50T	67	63	65	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 - SHC

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	09039710.D	09039709.D	09169716.D	09169710.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Sediment	Sediment
Sample Size	30.6 g	33.3 g	19.5 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	8/4/1997	8/4/1997	8/11/1997	8/11/1997
Analysis Date	9/1/1997	8/31/1997	9/17/1997	9/17/1997
Min Reporting Limit	0.016	0.015	0.026	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0067 J	0.0058 J	ND	ND
nC10	0.022	0.034	0.0062 J	0.01 J
nC11	0.011 J	0.012 J	ND	ND
nC12	0.0072 J	0.0061 J	ND	ND
nC13	0.0085 J	0.0073 J	ND	ND
1380	0.0061 J	0.0049 J	0.0021 J	0.0025 J
nC14	0.0088 J	0.0072 J	ND	ND
1470	0.011 J	0.0084 J	0.012 J	0.013 J
nC15	0.019 J	0.015 J	0.012 J	0.016 J
nC16	0.011 J	0.0097 J	0.0081 J	0.01 J
1650	0.0061 J	0.0026 J	0.0031 J	0.0055 J
nC17	0.016 J	0.012 J	0.016 J	0.014 J
pristane	0.028	0.024	0.068	0.058
nC18	0.016 J	0.013 J	0.014 J	0.023 J
phytane	0.0032 J	0.0022 J	0.0056 J	0.0065 J
nC19	0.12	0.11	0.032 J	0.048
nC20	0.028	0.011 J	0.012 J	0.016 J
nC21	0.024	0.028	0.018 J	0.019 J
nC22	0.039	0.041	0.024 J	0.026 J
nC23	0.054	0.043	0.028 J	0.035 J
nC24	0.046	0.036	0.62	0.022 J
nC25	0.1	0.065	0.025 J	0.03 J
nC26	0.0054 J	0.016 J	0.021 J	0.023 J
nC27	0.12	0.088	0.037 J	0.046
nC28	0.028	0.069	0.043	0.054
nC29	0.095	0.068	0.094	0.096
nC30	0.0084 J	0.0024 J	0.026 J	0.02 J
nC31	0.24	0.2	0.037 J	0.042
nC32	0.11	0.093	0.037 J	0.036 J
nC33	0.22	0.19	0.044	0.039
nC34	0.058	0.047	ND	0.011 J
nC35	0.0046 J	ND	0.016 J	0.012 J
nC36	ND	ND	0.0035 J	0.003 J
nC37	0.004 J	ND	0.0082 J	0.0049 J
nC38	0.015 J	0.015 J	0.014 J	0.014 J
nC39	ND	ND	0.018 J	0.013 J
nC40	0.01 J	0.011 J	ND	ND
Total Resolved	16	15	6	5.2
TPHC	28	23	11	13
OTP	78	73	62	62
5AA	71	71	66	66
D50T	74	74	68	69

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Environmental Monitoring and Analysis

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

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

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	09169711.D	09169712.D	09169709.D	09169715.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	9/17/1997	9/17/1997	9/17/1997	9/17/1997
Min Reporting Limit	0.025	0.028	0.031	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	0.0018 J	ND	ND
nC10	0.0068 J	0.0054 J	0.0076 J	0.0066 J
nC11	ND	0.0016 J	ND	0.0018 J
nC12	ND	ND	ND	ND
nC13	ND	ND	ND	ND
1380	0.0022 J	ND	0.0082 J	ND
nC14	ND	ND	ND	ND
1470	0.01 J	0.0087 J	0.013 J	0.015 J
nC15	0.012 J	0.0066 J	0.0086 J	0.0069 J
nC16	0.0084 J	0.0057 J	0.0061 J	0.0038 J
1650	0.0042 J	0.0018 J	0.0018 J	0.0018 J
nC17	0.017 J	0.024 J	0.03 J	0.018 J
pristane	0.052	0.043	0.021 J	0.034 J
nC18	0.014 J	0.0093 J	0.013 J	0.0098 J
phytane	0.0049 J	0.0057 J	0.0064 J	0.0051 J
nC19	0.022 J	0.038 J	0.042 J	0.05
nC20	0.014 J	0.012 J	0.013 J	0.0095 J
nC21	0.017 J	0.026 J	0.038 J	0.024 J
nC22	0.028 J	0.031 J	0.035 J	0.019 J
nC23	0.028 J	0.059	0.079	0.05
nC24	0.018 J	0.028 J	0.033 J	0.026 J
nC25	0.024 J	0.087	0.12	0.068
nC26	0.022 J	0.034 J	0.039 J	0.029 J
nC27	0.042	0.18	0.26	0.15
nC28	0.042	0.051	0.058	0.045
nC29	0.075	0.14	0.17	0.11
nC30	0.018 J	0.04 J	0.044 J	0.011 J
nC31	0.034 J	0.082	0.094	0.062
nC32	0.015 J	ND	0.013 J	0.0065 J
nC33	0.014 J	0.022 J	0.03 J	0.021 J
nC34	0.0044 J	0.0097 J	0.012 J	0.0053 J
nC35	0.015 J	0.019 J	0.018 J	0.019 J
nC36	0.0025 J	0.0032 J	0.0029 J	0.0031 J
nC37	ND	0.021 J	0.0091 J	0.047
nC38	ND	0.0093 J	0.0074 J	0.007 J
nC39	0.012 J	ND	0.048	0.007 J
nC40	ND	ND	ND	ND
Total Resolved	4.2	6.6	7	5.7
TPHC	10	14	15	11
OTP	64	61	61	63
5AA	68	64	63	65
D50T	71	68	66	68

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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	09169722.D	09169721.D	09169720.D	09169718.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	9/17/1997	9/17/1997	9/17/1997	9/17/1997
Min Reporting Limit	0.026	0.024	0.024	0.029
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	ND	ND	0.00087 J
nC10	0.0045 J	0.0059 J	0.0034 J	0.0043 J
nC11	ND	ND	ND	ND
nC12	ND	ND	ND	ND
nC13	ND	ND	ND	ND
1380	ND	ND	ND	ND
nC14	ND	ND	ND	ND
1470	0.0088 J	0.0059 J	0.0083 J	0.012 J
nC15	0.0064 J	0.0063 J	0.0057 J	0.0069 J
nC16	0.0056 J	0.0043 J	0.0054 J	0.0054 J
1650	ND	ND	0.0019 J	0.0016 J
nC17	0.018 J	0.016 J	0.018 J	0.016 J
pristane	0.023 J	0.016 J	0.014 J	0.012 J
nC18	0.013 J	0.034 J	0.018 J	0.01 J
phytane	0.0033 J	0.0035 J	0.0024 J	0.0032 J
nC19	0.02 J	0.021 J	0.033 J	0.029 J
nC20	0.011 J	0.0078 J	0.0086 J	0.0096 J
nC21	0.026 J	0.025 J	0.025 J	0.023 J
nC22	0.029 J	0.021 J	0.025 J	0.02 J
nC23	0.065	0.05	0.052	0.051
nC24	0.026 J	0.026 J	0.025 J	0.26
nC25	0.076	0.063	0.066	0.071
nC26	0.029 J	0.029 J	0.031 J	0.03 J
nC27	0.14	0.11	0.12	0.14
nC28	0.047	0.045	0.048	0.052
nC29	0.1	0.081	0.085	0.099
nC30	0.035 J	0.031 J	0.031 J	0.035 J
nC31	0.065	0.062	0.058	0.058
nC32	ND	0.0097 J	0.0079 J	ND
nC33	0.027 J	0.018 J	0.019 J	0.02 J
nC34	0.013 J	0.0093 J	0.019 J	0.0075 J
nC35	0.015 J	ND	0.013 J	0.039 J
nC36	0.0021 J	ND	0.0031 J	0.0033 J
nC37	ND	ND	ND	0.041 J
nC38	ND	0.006 J	ND	0.0069 J
nC39	0.0053 J	0.0075 J	0.0073 J	0.0068 J
nC40	ND	0.0028 J	ND	ND
Total Resolved	5.5	6.8	5.2	5.5
TPHC	12	13	11	11
OTP	61	63	61	60
5AA	63	65	65	66
D50T	66	68	67	69

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

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	09169717.D	09169719.D	08309732.D	08309731.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	8/5/1997	8/5/1997
Analysis Date	9/17/1997	9/17/1997	9/1/1997	9/1/1997
Min Reporting Limit	0.027	0.025	0.027	0.023
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	ND	0.0017 J	0.017 J
nC10	0.012 J	0.0024 J	0.012 J	0.0093 J
nC11	0.0021 J	ND	0.0061 J	0.02 J
nC12	ND	ND	0.0065 J	0.0075 J
nC13	ND	ND	0.0098 J	0.0083 J
1380	ND	ND	0.0061 J	0.0061 J
nC14	ND	ND	0.012 J	0.011 J
1470	0.012 J	ND	0.014 J	0.011 J
nC15	0.0075 J	0.0056 J	0.025 J	0.023 J
nC16	0.0061 J	0.0036 J	0.013 J	0.0088 J
1650	0.0015 J	ND	0.0078 J	0.0054 J
nC17	0.02 J	0.018 J	0.043	0.028 J
pristane	0.018 J	0.014 J	0.032 J	0.03 J
nC18	0.013 J	0.012 J	0.014 J	0.012 J
phytane	0.0052 J	0.0032 J	0.0072 J	0.0043 J
nC19	0.036 J	0.022 J	0.07	0.043
nC20	0.011 J	0.0099 J	0.036 J	0.032 J
nC21	0.026 J	0.025 J	0.078	0.036
nC22	0.023 J	0.022 J	0.046	0.03 J
nC23	0.057	0.049	0.13	0.067
nC24	0.026 J	0.024 J	0.041	0.028 J
nC25	0.079	0.065	0.16	0.093
nC26	0.033 J	0.028 J	0.087	0.068
nC27	0.14	0.12	0.29	0.16
nC28	0.043 J	0.042	0.036 J	0.041
nC29	0.11	0.09	0.3	0.17
nC30	0.016 J	0.012 J	0.33	0.086
nC31	0.066	0.056	0.26	0.12
nC32	0.011 J	ND	ND	0.011 J
nC33	0.02 J	0.022 J	ND	0.038
nC34	0.016 J	0.0085 J	ND	0.0064 J
nC35	0.0093 J	0.0079 J	0.083	0.071
nC36	0.0024 J	0.0028 J	ND	ND
nC37	0.023 J	0.0061 J	ND	ND
nC38	0.0049 J	0.0083 J	ND	ND
nC39	ND	0.0037 J	ND	ND
nC40	ND	ND	ND	ND
Total Resolved	5.1	3.9	32	14
TPHC	10	8.3	52	28
OTP	59	64	72	71
5AA	59	69	67	67
D50T	61	72	69	69

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

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	08309730.D	08309725.D	08309729.D	08309726.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	8/5/1997	8/5/1997	8/5/1997	8/5/1997
Analysis Date	9/1/1997	9/1/1997	9/1/1997	9/1/1997
Min Reporting Limit	0.018	0.031	0.029	0.024
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.018 J	0.033 J	0.016 J	0.022 J
nC10	0.0066 J	0.015 J	0.014 J	0.016 J
nC11	0.0038 J	0.027 J	0.012 J	0.0092 J
nC12	0.006 J	0.015 J	0.0077 J	0.013 J
nC13	0.0078 J	0.021 J	0.014 J	0.016 J
1380	0.0054 J	0.013 J	0.0056 J	0.011 J
nC14	0.01 J	0.024 J	0.014 J	0.019 J
1470	0.0097 J	0.021 J	0.014 J	0.018 J
nC15	0.021 J	0.059	0.043	0.048
nC16	0.0091 J	0.021 J	0.014 J	0.019 J
1650	0.0045 J	0.011 J	0.0072 J	0.012 J
nC17	0.025 J	0.064	0.045	0.058
pristane	0.028	0.062	0.042	0.058
nC18	0.011 J	0.029 J	0.016 J	0.019 J
phytane	0.0048 J	0.011 J	0.0083 J	0.011 J
nC19	0.042	0.068	0.051	0.068
nC20	0.034	0.03 J	0.022 J	0.029 J
nC21	0.032	0.056	0.043	0.05
nC22	0.028	0.061	0.046	0.055
nC23	0.06	0.1	0.083	0.097
nC24	0.0028 J	0.0035 J	0.004 J	0.0055 J
nC25	0.086	0.17	0.12	0.15
nC26	0.066	0.077	0.094	0.074
nC27	0.15	0.33	0.25	0.29
nC28	0.042	0.083	0.07	0.074
nC29	0.17	0.33	0.26	0.29
nC30	0.083	0.18	0.13	0.15
nC31	0.12	0.24	0.17	0.21
nC32	0.013 J	0.027 J	0.012 J	0.016 J
nC33	0.032	0.083	0.057	0.065
nC34	0.01 J	0.014 J	0.012 J	0.014 J
nC35	0.055	0.12	0.1	0.11
nC36	ND	ND	ND	ND
nC37	ND	ND	ND	ND
nC38	ND	ND	ND	ND
nC39	ND	ND	ND	ND
nC40	ND	ND	ND	ND
Total Resolved	23	33	19	26
TPHC	34	62	38	50
OTP	69	70	74	67
5AA	64	64	67	60
D50T	65	66	69	62

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Environmental Monitoring and Analysis

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

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

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	09039716.D	12249737.D	12299723.D	12299737.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	8/4/1997	12/17/1997	12/17/1997	12/17/1997
Analysis Date	9/1/1997	12/25/1997	12/30/1997	12/30/1997
Min Reporting Limit	0.017	0.03	0.031	0.028
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0074 J	0.059	0.21	0.097
nC10	0.042	0.018 J	0.027 J	0.022 J
nC11	0.015 J	0.019 J	0.067	0.045
nC12	0.012 J	0.023 J	0.019 J	0.018 J
nC13	0.013 J	0.021 J	0.024 J	0.023 J
1380	0.0052 J	0.011 J	0.019 J	0.012 J
nC14	0.013 J	0.022 J	0.025 J	0.024 J
1470	0.011 J	0.018 J	0.028 J	0.022 J
nC15	0.025	0.042	0.046	0.046
nC16	0.015 J	0.027 J	0.026 J	0.026 J
1650	0.0067 J	0.011 J	0.014 J	0.012 J
nC17	0.018 J	0.03 J	0.039	0.031
pristane	0.081	0.082	0.088	0.059
nC18	0.018 J	0.023 J	0.025 J	0.023 J
phytane	0.0046 J	0.0094 J	0.01 J	0.0092 J
nC19	0.037	0.047	0.093	0.053
nC20	0.016 J	0.028 J	0.029 J	0.031
nC21	0.018 J	0.03 J	0.034 J	0.033
nC22	0.025	0.032 J	0.032 J	0.031
nC23	0.027	0.049	0.049	0.047
nC24	0.022 J	0.029 J	0.029 J	0.029 J
nC25	0.046	0.071	0.07	0.065
nC26	0.019 J	0.03 J	0.026 J	0.029 J
nC27	0.045	0.15	0.15	0.14
nC28	0.018 J	0.031 J	0.034 J	0.034
nC29	ND	0.092	0.099	0.099
nC30	ND	0.043	0.041	0.04
nC31	0.0049 J	0.08	0.074	0.075
nC32	0.048	0.062	0.092	0.059
nC33	0.059	0.11	0.14	0.11
nC34	0.034	0.044	0.045	0.038
nC35	ND	0.17	0.098	0.15
nC36	0.0038 J	0.011 J	0.0039 J	0.011 J
nC37	0.003 J	0.018 J	0.014 J	0.0096 J
nC38	0.003 J	ND	0.0032 J	0.0063 J
nC39	0.0016 J	0.014 J	0.015 J	0.015 J
nC40	0.0032 J	ND	ND	ND
Total Resolved	7.1	10	21	14
TPHC	12	22	34	27
OTP	74	89	84	89
5AA	69	86	82	87
D50T	73	90	85	91

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	12249759.D	09039712.D	09039717.D	12249749.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	8/4/1997	8/4/1997	12/17/1997
Analysis Date	12/26/1997	9/1/1997	9/1/1997	12/26/1997
Min Reporting Limit	0.026	0.024	0.025	0.034
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.019 J	0.026 J	0.019 J	0.33
nC10	0.013 J	0.11	0.07	0.034 J
nC11	0.011 J	0.033 J	0.032	0.15
nC12	0.011 J	0.025 J	0.021 J	0.028 J
nC13	0.011 J	0.029 J	0.022 J	0.034 J
1380	0.0055 J	0.011 J	0.0083 J	0.028 J
nC14	0.012 J	0.028 J	0.021 J	0.041
1470	0.014 J	0.022 J	0.019 J	0.042
nC15	0.022 J	0.046	0.036	0.081
nC16	0.015 J	0.03 J	0.027 J	0.05
1650	0.0081 J	0.012 J	0.012 J	0.023 J
nC17	0.019 J	0.029 J	0.03	0.062
pristane	0.075	0.22	0.12	0.31
nC18	0.015 J	0.039	0.036	0.052
phytane	0.005 J	0.0048 J	0.0083 J	0.017 J
nC19	0.022 J	0.075	0.15	0.24
nC20	0.016 J	0.029 J	0.029 J	0.048
nC21	0.017 J	0.029 J	0.033	0.053
nC22	0.019 J	0.041	0.038	0.053
nC23	0.029 J	0.043	0.046	0.062
nC24	0.019 J	0.038	0.048	0.046
nC25	0.035	0.07	0.032	0.07
nC26	0.019 J	0.03 J	0.036	0.039
nC27	0.067	0.058	0.057	0.14
nC28	0.043	0.029 J	0.035	0.052
nC29	0.05	0.043	0.041	0.093
nC30	0.022 J	ND	ND	0.068
nC31	0.04	0.13	0.0044 J	0.084
nC32	0.034	0.033 J	0.024 J	0.1
nC33	0.056	0.071	0.056	0.16
nC34	0.012 J	0.032 J	0.028 J	0.068
nC35	0.086	ND	0.0082 J	0.06
nC36	0.0058 J	0.0078 J	0.0068 J	0.01 J
nC37	0.0065 J	ND	ND	0.017 J
nC38	0.002 J	0.0067 J	0.0093 J	0.011 J
nC39	0.0083 J	0.0077 J	ND	0.033 J
nC40	ND	0.0091 J	0.0095 J	ND
Total Resolved	5.5	13	12	24
TPHC	12	22	21	43
OTP	83	70	83	86
5AA	81	65	76	84
D50T	86	69	82	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 - SHC

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	09039708.D	12249761.D	09039715.D	09109745.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	8/4/1997	8/8/1997
Analysis Date	8/31/1997	12/26/1997	9/1/1997	9/13/1997
Min Reporting Limit	0.016	0.027	0.015	0.019
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0056 J	0.47	0.0071 J	0.0022 J
nC10	0.037	0.017 J	0.032	0.0098 J
nC11	0.011 J	0.11	0.013 J	0.0083 J
nC12	0.01 J	0.0062 J	0.0078 J	0.01 J
nC13	0.011 J	0.0083 J	0.0091 J	0.014 J
1380	0.0046 J	0.0091 J	0.0037 J	0.0069 J
nC14	0.012 J	0.012 J	0.0095 J	0.023 J
1470	0.01 J	0.022 J	0.0077 J	0.02 J
nC15	0.022	0.022 J	0.018 J	0.043
nC16	0.013 J	0.011 J	0.012 J	0.023 J
1650	0.0032 J	0.0056 J	0.0044 J	0.014 J
nC17	0.015 J	0.016 J	0.014 J	0.029
pristane	0.063	0.024 J	0.042	0.12
nC18	0.017 J	0.01 J	0.015 J	0.054
phytane	0.0033 J	0.005 J	0.0061 J	0.01 J
nC19	0.037	0.082	0.044	0.097
nC20	0.017 J	0.013 J	0.014 J	0.032
nC21	0.015 J	0.017 J	0.018 J	0.035
nC22	0.025	0.019 J	0.024	0.035
nC23	0.031	0.046	0.033	0.054
nC24	0.023	0.022 J	0.024	0.029
nC25	0.043	0.084	0.058	0.071
nC26	0.02	0.022 J	0.019	0.037
nC27	0.074	0.22	0.099	0.12
nC28	0.018 J	0.028 J	0.018 J	0.052
nC29	0.046	0.12	0.049	0.14
nC30	0.011 J	0.027 J	ND	0.051
nC31	0.15	0.074	0.0099 J	0.072
nC32	0.06	0.089	0.11	0.018 J
nC33	0.1	0.07	0.099	0.046
nC34	0.022	0.017 J	0.033	0.015 J
nC35	0.0099 J	0.1	0.0091 J	0.017 J
nC36	0.0037 J	0.0033 J	0.0038 J	0.0017 J
nC37	0.0028 J	0.013 J	0.0032 J	ND
nC38	0.0025 J	0.0032 J	0.0038 J	0.061
nC39	0.0014 J	0.0068 J	ND	ND
nC40	0.0053 J	ND	0.0024 J	ND
Total Resolved	6.4	29	8.2	8.5
TPHC	12	38	14	17
OTP	84	80	77	67
5AA	76	78	72	62
D50T	81	82	79	65

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	12299725.D	12249751.D	12249753.D	12249747.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	12/30/1997	12/26/1997	12/26/1997	12/26/1997
Min Reporting Limit	0.029	0.03	0.031	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.047	0.11	0.038	0.4
nC10	0.018 J	0.024 J	0.024 J	0.011 J
nC11	0.12	0.053	0.029 J	0.093
nC12	0.014 J	0.019 J	0.029 J	0.0087 J
nC13	0.016 J	0.022 J	0.033 J	0.011 J
1380	0.02 J	0.017 J	0.012 J	0.013 J
nC14	0.015 J	0.024 J	0.03 J	0.015 J
1470	0.027 J	0.025 J	0.029 J	0.024 J
nC15	0.029 J	0.046	0.056	0.024 J
nC16	0.018 J	0.03 J	0.038	0.015 J
1650	0.0068 J	0.013 J	0.016 J	0.0086 J
nC17	0.022 J	0.036	0.039	0.021 J
pristane	0.045	0.086	0.093	0.042
nC18	0.095	0.028 J	0.065	0.018 J
phytane	0.0066 J	0.011 J	0.013 J	0.0057 J
nC19	0.06	0.14	0.19	0.11
nC20	0.031 J	0.032 J	0.036	0.018 J
nC21	0.023 J	0.036	0.034 J	0.025 J
nC22	0.034	0.034	0.039	0.025 J
nC23	0.046	0.056	0.048	0.055
nC24	0.023 J	0.031 J	0.036	0.03 J
nC25	0.076	0.083	0.058	0.096
nC26	0.026 J	0.031 J	0.031 J	0.033
nC27	0.19	0.15	0.11	0.24
nC28	0.023 J	0.038	0.034 J	0.045
nC29	0.1	0.087	0.076	0.14
nC30	0.029 J	0.043	0.051	0.042
nC31	0.075	0.064	0.063	0.095
nC32	0.1	0.091	0.07	0.13
nC33	0.11	0.1	0.099	0.12
nC34	0.032	0.041	0.04	0.026 J
nC35	0.11	0.079	0.045	0.11
nC36	0.0054 J	0.011 J	0.012 J	0.0055 J
nC37	0.019 J	0.015 J	0.0094 J	0.02 J
nC38	0.0025 J	0.0053 J	0.0048 J	0.0038 J
nC39	0.013 J	0.016 J	0.017 J	0.0045 J
nC40	ND	ND	ND	ND
Total Resolved	21	16	9.3	26
TPHC	31	28	22	37
OTP	91	86	87	83
5AA	90	84	85	81
D50T	91	87	89	84

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	09109746.D	12299727.D	12299731.D	12249743.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	9/13/1997	12/30/1997	12/30/1997	12/25/1997
Min Reporting Limit	0.022	0.031	0.028	0.026
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0016 J	0.089	0.026 J	0.21
nC10	0.014 J	0.021 J	0.021 J	0.015 J
nC11	0.011 J	0.099	0.035	0.061
nC12	0.015 J	0.01 J	0.01 J	0.0093 J
nC13	0.029 J	0.015 J	0.012 J	0.011 J
1380	0.019 J	0.031 J	0.0094 J	0.0087 J
nC14	0.043	0.016 J	0.014 J	0.018 J
1470	0.027 J	0.029 J	0.015 J	0.022 J
nC15	0.083	0.033 J	0.025 J	0.024 J
nC16	0.044	0.02 J	0.016 J	0.016 J
1650	0.024 J	0.007 J	0.0069 J	0.0076 J
nC17	0.052	0.024 J	0.018 J	0.018 J
pristane	0.21	0.058	0.055	0.041
nC18	0.083	0.016 J	0.015 J	0.015 J
phytane	0.017 J	0.0043 J	0.0055 J	0.0055 J
nC19	0.15	0.057	0.022 J	0.023 J
nC20	0.076	0.034 J	0.018 J	0.017 J
nC21	0.081	0.029 J	0.019 J	0.026 J
nC22	0.033 J	0.03 J	0.019 J	0.024 J
nC23	0.078	0.052	0.036	0.034
nC24	0.044	0.025 J	0.021 J	0.021 J
nC25	0.11	0.086	0.055	0.059
nC26	0.079	0.024 J	0.019 J	0.021 J
nC27	0.22	0.21	0.12	0.13
nC28	0.089	0.028 J	0.024 J	0.023 J
nC29	0.21	0.12	0.079	0.075
nC30	0.087	0.033 J	0.02 J	0.029 J
nC31	0.089	0.092	0.062	0.055
nC32	0.035	0.24	0.18	0.075
nC33	0.075	0.2	0.12	0.084
nC34	0.016 J	0.058	0.033	0.033
nC35	0.068	0.12	0.1	0.091
nC36	0.013 J	0.0065 J	0.0059 J	0.0066 J
nC37	0.019 J	0.023 J	0.02 J	0.024 J
nC38	0.019 J	0.0041 J	0.002 J	0.0036 J
nC39	ND	0.012 J	0.01 J	0.01 J
nC40	ND	ND	ND	ND
Total Resolved	22	31	16	21
TPHC	36	48	26	30
OTP	64	85	82	85
5AA	58	85	81	84
D50T	63	86	85	87

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	12249745.D	12249741.D	12249739.D	12249735.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	12/26/1997	12/25/1997	12/25/1997	12/25/1997
Min Reporting Limit	0.027	0.027	0.025	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.036	0.2	0.017 J	0.27
nC10	0.012 J	0.016 J	0.033	0.018 J
nC11	0.023 J	0.064	0.019 J	0.11
nC12	0.012 J	0.012 J	0.013 J	0.011 J
nC13	0.014 J	0.012 J	0.016 J	0.014 J
1380	0.0074 J	0.0086 J	0.01 J	0.015 J
nC14	0.016 J	0.016 J	0.016 J	0.016 J
1470	0.014 J	0.018 J	0.017 J	0.026 J
nC15	0.028 J	0.027 J	0.031	0.025 J
nC16	0.019 J	0.017 J	0.019 J	0.017 J
1650	0.0084 J	0.0077 J	0.0085 J	0.0076 J
nC17	0.025 J	0.025 J	0.028 J	0.018 J
pristane	0.055	0.048	0.049	0.044
nC18	0.016 J	0.016 J	0.017 J	0.014 J
phytane	0.0066 J	0.006 J	0.007 J	0.0059 J
nC19	0.043	0.024 J	0.025 J	0.026 J
nC20	0.021 J	0.019 J	0.021 J	0.019 J
nC21	0.023 J	0.02 J	0.025 J	0.02 J
nC22	0.031	0.024 J	0.025 J	0.023 J
nC23	0.045	0.039	0.048	0.043
nC24	0.028 J	0.021 J	0.028 J	0.02 J
nC25	0.066	0.07	0.09	0.054
nC26	0.028 J	0.021 J	0.025 J	0.023 J
nC27	0.15	0.15	0.16	0.12
nC28	0.028 J	0.027 J	0.03	0.027 J
nC29	0.089	0.083	0.11	0.082
nC30	0.036	0.029 J	0.039	0.032
nC31	0.074	0.072	0.076	0.064
nC32	0.12	0.11	0.17	0.1
nC33	0.15	0.12	0.18	0.11
nC34	0.046	0.038	0.051	0.036
nC35	0.15	0.11	0.14	0.11
nC36	0.0059 J	0.0083 J	0.008 J	0.0061 J
nC37	0.021 J	0.019 J	0.014 J	0.02 J
nC38	0.0038 J	0.0022 J	0.0037 J	0.0042 J
nC39	0.014 J	0.01 J	0.016 J	0.01 J
nC40	ND	ND	ND	ND
Total Resolved	10	18	9.8	18
TPHC	19	28	20	27
OTP	84	87	86	86
5AA	82	85	84	84
D50T	86	89	87	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 - SHC

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	12299729.D	12249763.D	08309721.D	08049752.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	8/5/1997	7/24/1997
Analysis Date	12/30/1997	12/26/1997	8/31/1997	8/8/1997
Min Reporting Limit	0.026	0.029	0.027	0.02
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.069	0.16	0.011 J	0.0077 J
nC10	0.023 J	0.017 J	0.014 J	0.021 J
nC11	0.02 J	0.043	0.0073 J	0.012 J
nC12	0.015 J	0.011 J	0.0073 J	0.014 J
nC13	0.014 J	0.015 J	0.0085 J	0.014 J
1380	0.026 J	0.0084 J	0.0039 J	0.0073 J
nC14	0.016 J	0.016 J	0.011 J	0.02 J
1470	0.023 J	0.018 J	0.013 J	0.012 J
nC15	0.026 J	0.027 J	0.021 J	0.023
nC16	0.018 J	0.017 J	0.012 J	0.016 J
1650	0.0073 J	0.011 J	0.0064 J	0.0079 J
nC17	0.025 J	0.02 J	0.022 J	0.027
pristane	0.049	0.035	0.079	0.046
nC18	0.016 J	0.015 J	0.018 J	0.023
phytane	0.0065 J	0.0057 J	0.0057 J	0.0053 J
nC19	0.041	0.038	0.034 J	0.031
nC20	0.029	0.018 J	0.014 J	0.021 J
nC21	0.02 J	0.029 J	0.033 J	0.025
nC22	0.027 J	0.044	0.033 J	0.023
nC23	0.036	0.055	0.043	0.04
nC24	0.02 J	0.028 J	7.9 E	0.017 J
nC25	0.053	0.086	0.055	0.066
nC26	0.02 J	0.034	0.055	0.031
nC27	0.12	0.21	0.094	0.15
nC28	0.021 J	0.034	0.04	0.042
nC29	0.077	0.12	0.11	0.13
nC30	0.031	0.034	0.042	0.038
nC31	0.061	0.08	0.06	0.07
nC32	0.05	0.13	ND	0.024
nC33	0.11	0.11	ND	0.048
nC34	0.033	0.035	0.012 J	0.013 J
nC35	0.12	0.091	0.045	0.029
nC36	0.005 J	0.0064 J	ND	0.0049 J
nC37	0.01 J	0.018 J	ND	ND
nC38	0.0029 J	0.0054 J	0.022 J	ND
nC39	0.01 J	0.011 J	ND	ND
nC40	ND	ND	ND	0.029
Total Resolved	19	15	27	14
TPHC	31	24	36	16
OTP	87	87	71	94
5AA	85	85	66	86
D50T	88	89	67	86

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	08049753.D	08049754.D	08049747.D	08049750.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	8/8/1997	8/8/1997	8/8/1997	8/8/1997
Min Reporting Limit	0.02	0.021	0.023	0.023
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0066 J	0.0031 J	0.0062 J	0.0024 J
nC10	0.024	0.026 J	0.025 J	0.028
nC11	0.01 J	0.011 J	0.0067 J	0.0079 J
nC12	0.014 J	0.013 J	0.0071 J	0.011 J
nC13	0.015 J	0.014 J	0.0083 J	0.01 J
1380	0.0075 J	0.0069 J	0.0041 J	0.0058 J
nC14	0.021 J	0.021 J	0.011 J	0.015 J
1470	0.013 J	0.012 J	0.0094 J	0.01 J
nC15	0.024	0.023 J	0.016 J	0.018 J
nC16	0.016 J	0.017 J	0.01 J	0.013 J
1650	0.008 J	0.0077 J	0.0057 J	0.0059 J
nC17	0.027	0.026 J	0.015 J	0.02 J
pristane	0.047	0.056	0.037	0.042
nC18	0.022 J	0.022 J	0.014 J	0.018 J
phytane	0.0052 J	0.005 J	0.0039 J	0.0047 J
nC19	0.033	0.032	0.015 J	0.018 J
nC20	0.021 J	0.022 J	0.0097 J	0.0093 J
nC21	0.024	0.021 J	0.016 J	0.018 J
nC22	0.024	0.022 J	0.015 J	0.019 J
nC23	0.04	0.038	0.026	0.032
nC24	0.018 J	0.018 J	0.011 J	0.013 J
nC25	0.068	0.064	0.039	0.056
nC26	0.034	0.031	0.019 J	0.024 J
nC27	0.15	0.14	0.083	0.11
nC28	0.042	0.043	0.037	0.038
nC29	0.12	0.1	0.069	0.07
nC30	0.039	0.038	0.025 J	0.018 J
nC31	0.068	0.065	0.033	0.052
nC32	0.026	0.017 J	0.011 J	0.015 J
nC33	0.047	0.051	0.016 J	0.032
nC34	0.015 J	0.013 J	0.01 J	0.015 J
nC35	0.029	0.031	0.017 J	0.026 J
nC36	0.0058 J	0.0045 J	ND	0.0046 J
nC37	ND	ND	ND	ND
nC38	ND	ND	ND	ND
nC39	ND	ND	ND	ND
nC40	0.032	ND	ND	ND
Total Resolved	14	13	13	14
TPHC	18	15	13	14
OTP	94	85	94	92
5AA	86	78	86	85
D50T	85	78	87	85

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	09109742.D	09109757.D	09109748.D	09109752.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	9/13/1997	9/14/1997	9/13/1997	9/14/1997
Min Reporting Limit	0.02	0.022	0.019	0.023
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0033 J	0.0045 J	0.0019 J	0.0033 J
nC10	0.015 J	0.017 J	0.013 J	0.017 J
nC11	0.0095 J	0.013 J	0.0078 J	0.012 J
nC12	0.012 J	0.017 J	0.014 J	0.021 J
nC13	0.02 J	0.027 J	0.019 J	0.025 J
1380	0.014 J	0.012 J	0.012 J	0.017 J
nC14	0.029 J	0.038	0.029	0.041
1470	0.02 J	0.03 J	0.018 J	0.022 J
nC15	0.056	0.075	0.053	0.065
nC16	0.033	0.042	0.031	0.043
1650	0.02 J	0.027 J	0.018 J	0.025 J
nC17	0.048	0.055	0.04	0.056
pristane	0.11	0.12	0.088	0.12
nC18	0.13	0.063	0.051	0.057
phytane	0.012 J	0.013 J	0.011 J	0.012 J
nC19	0.11	0.078	0.085	0.062
nC20	0.038	0.058	0.051	0.065
nC21	0.075	0.05	0.037	0.051
nC22	0.057	0.053	0.062	0.054
nC23	0.072	0.072	0.073	0.071
nC24	0.034	0.042	0.037	0.044
nC25	0.095	0.097	0.088	0.1
nC26	0.057	0.05	0.063	0.084
nC27	0.18	0.17	0.2	0.24
nC28	0.072	0.053	0.053	0.078
nC29	0.18	0.17	0.14	0.22
nC30	0.051	0.042	0.037	0.049
nC31	0.098	0.093	0.081	0.1
nC32	0.021 J	0.057	0.031	0.068
nC33	0.052	0.09	0.06	0.14
nC34	0.016 J	0.025 J	0.021 J	0.029 J
nC35	0.062	0.062	0.051	0.065
nC36	0.011 J	0.0083 J	0.0091 J	0.017 J
nC37	ND	ND	0.011 J	ND
nC38	ND	ND	0.018 J	ND
nC39	ND	ND	ND	ND
nC40	0.0026 J	0.065	0.0056 J	0.22
Total Resolved	15	16	12	24
TPHC	30	32	29	49
OTP	63	64	70	68
5AA	57	56	63	58
D50T	61	60	68	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 - SHC

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	09109747.D	09169724.D	09109738.D	09109741.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	9/13/1997	9/18/1997	9/13/1997	9/13/1997
Min Reporting Limit	0.02	0.045	0.02	0.02
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0037 J	0.0026 J	0.003 J	0.002 J
nC10	0.018 J	0.019 J	0.013 J	0.016 J
nC11	0.011 J	0.0049 J	0.013 J	0.012 J
nC12	0.012 J	0.0063 J	0.012 J	0.016 J
nC13	0.019 J	0.012 J	0.018 J	0.02 J
1380	0.011 J	0.0059 J	0.009 J	0.013 J
nC14	0.033	0.04 J	0.03	0.034
1470	0.024 J	0.024 J	0.018 J	0.021 J
nC15	0.064	0.043 J	0.06	0.054
nC16	0.036	0.028 J	0.034	0.033
1650	0.022 J	0.011 J	0.021 J	0.017 J
nC17	0.043	0.044 J	0.043	0.043
pristane	0.17	0.099	0.12	0.13
nC18	0.057	0.045 J	0.057	0.063
phytane	0.011 J	0.0094 J	0.011 J	0.0051 J
nC19	0.1	0.041 J	0.12	0.1
nC20	0.047	0.028 J	0.047	0.053
nC21	0.043	0.043 J	0.047	0.064
nC22	0.044	0.062 J	0.044	0.059
nC23	0.065	0.066	0.06	0.067
nC24	0.036	0.044 J	0.034	0.029
nC25	0.086	0.076	0.084	0.097
nC26	0.042	0.045 J	0.041	0.063
nC27	0.17	0.14	0.14	0.18
nC28	0.061	0.11	0.05	0.091
nC29	0.15	0.15	0.14	0.12
nC30	0.043	0.022 J	0.059	0.066
nC31	0.074	0.073	0.086	0.076
nC32	0.04	0.038 J	0.059	ND
nC33	0.036	0.056 J	0.051	0.057
nC34	0.01 J	0.011 J	0.018 J	0.017 J
nC35	0.032	0.024 J	0.031	0.059
nC36	0.0042 J	0.0065 J	0.005 J	0.0096 J
nC37	0.0074 J	0.0047 J	0.0049 J	ND
nC38	0.0065 J	0.018 J	0.011 J	0.018 J
nC39	ND	0.16	ND	ND
nC40	0.0028 J	0.044 J	0.0019 J	ND
Total Resolved	9.6	14	10	16
TPHC	21	32	21	33
OTP	78	62	74	71
5AA	70	64	67	65
D50T	72	68	70	70



**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	09109740.D	09109737.D	09169729.D	09109739.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	9/13/1997	9/13/1997	9/18/1997	9/13/1997
Min Reporting Limit	0.02	0.02	0.036	0.017
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0022 J	0.0016 J	ND	0.0015 J
nC10	0.0086 J	0.0088 J	0.009 J	0.012 J
nC11	0.0074 J	0.0072 J	ND	0.0062 J
nC12	0.0067 J	0.0089 J	0.0032 J	0.0063 J
nC13	0.019 J	0.013 J	0.0079 J	0.011 J
1380	0.0086 J	0.0091 J	0.0043 J	0.0066 J
nC14	0.028	0.026 J	0.024 J	0.018 J
1470	0.022 J	0.019 J	0.021 J	0.013 J
nC15	0.053	0.051	0.033 J	0.032
nC16	0.03	0.03	0.024 J	0.018 J
1650	0.018 J	0.018 J	0.012 J	0.0093 J
nC17	0.042	0.041	0.049 J	0.028
pristane	0.14	0.1	0.12	0.076
nC18	0.068	0.1	0.038 J	0.053
phytane	0.0076 J	0.011 J	0.012 J	0.0074 J
nC19	0.078	0.089	0.078	0.058
nC20	0.044	0.039	0.03 J	0.027
nC21	0.025 J	0.059	0.044 J	0.032
nC22	0.043	0.058	0.056 J	0.039
nC23	0.062	0.062	0.073	0.055
nC24	0.035	0.034	0.04 J	0.024
nC25	0.1	0.076	0.097	0.09
nC26	0.043	0.058	0.052 J	0.051
nC27	0.15	0.16	0.17	0.19
nC28	0.075	0.068	0.087	0.064
nC29	0.14	0.13	0.17	0.14
nC30	0.062	0.044	0.035 J	0.046
nC31	0.076	0.076	0.094	0.081
nC32	0.028	0.041	0.038 J	0.016 J
nC33	0.033	0.043	0.051 J	0.041
nC34	0.01 J	0.018 J	0.016 J	0.016 J
nC35	0.024 J	0.03	0.03 J	0.044
nC36	0.0022 J	0.0097 J	0.0051 J	0.0069 J
nC37	0.0074 J	0.011 J	0.0095 J	0.0051 J
nC38	0.0058 J	0.011 J	ND	0.015 J
nC39	ND	ND	ND	0.023
nC40	0.0026 J	ND	0.046 J	ND
Total Resolved	9.2	11	11	9.3
TPHC	19	24	24	20
OTP	75	75	60	75
5AA	68	69	59	69
D50T	72	74	63	74

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	09169727.D	08169733.D	08309710.D	08309709.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	8/5/1997	8/5/1997
Analysis Date	9/18/1997	8/18/1997	8/31/1997	8/31/1997
Min Reporting Limit	0.041	0.02	0.042	0.046
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	ND	0.037	0.038 J	0.039 J
nC10	0.013 J	0.043	0.029 J	0.043 J
nC11	0.0029 J	0.02 J	0.018 J	0.022 J
nC12	0.0034 J	0.016 J	0.016 J	0.03 J
nC13	0.0075 J	0.02 J	0.024 J	0.029 J
1380	0.0047 J	0.015 J	0.014 J	0.014 J
nC14	0.019 J	0.032	0.034 J	0.042 J
1470	0.022 J	0.016 J	0.034 J	0.028 J
nC15	0.031 J	0.038	0.062	0.078
nC16	0.018 J	0.021 J	0.031 J	0.038 J
1650	0.0084 J	0.011 J	0.014 J	0.016 J
nC17	0.043 J	0.025	0.05 J	0.058 J
pristane	0.15	0.066	0.12	0.13
nC18	0.026 J	0.037	0.032 J	0.039 J
phytane	0.013 J	0.0085 J	0.011 J	0.014 J
nC19	0.062	0.065	0.049 J	0.086
nC20	0.022 J	0.028	0.031 J	0.039 J
nC21	0.04 J	0.038	0.043 J	0.058 J
nC22	0.043 J	0.03	0.05 J	0.065 J
nC23	0.07	0.053	0.079	0.091
nC24	0.047 J	0.024 J	0.041 J	0.046 J
nC25	0.087	0.081	0.11	0.13
nC26	0.043 J	0.044	0.06 J	0.064 J
nC27	0.18	0.18	0.23	0.26
nC28	0.09	0.091	0.072	0.088
nC29	0.15	0.37	0.18	0.2
nC30	0.05 J	ND	0.19	0.1
nC31	0.082	0.076	0.11	0.12
nC32	0.015 J	ND	0.013 J	0.043 J
nC33	0.043 J	ND	ND	0.072
nC34	0.013 J	ND	ND	0.033 J
nC35	0.041 J	0.073	ND	0.071
nC36	0.0053 J	ND	ND	0.017 J
nC37	0.015 J	ND	ND	ND
nC38	0.0085 J	ND	ND	ND
nC39	0.051 J	ND	ND	ND
nC40	0.0075 J	ND	ND	ND
Total Resolved	9.6	23	20	28
TPHC	19	33	40	51
OTP	62	84	72	73
5AA	66	79	67	67
D50T	68	79	68	69

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	08049755.D	09109751.D	09169723.D	09109749.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	8/8/1997	9/14/1997	9/18/1997	9/13/1997
Min Reporting Limit	0.025	0.026	0.043	0.017
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0091 J	0.0028 J	ND	0.0012 J
nC10	0.042	0.014 J	0.021 J	0.0052 J
nC11	0.017 J	0.007 J	ND	0.0025 J
nC12	0.021 J	0.0062 J	0.0031 J	0.0034 J
nC13	0.021 J	0.013 J	0.008 J	0.0041 J
1380	0.014 J	0.0052 J	0.0052 J	0.0027 J
nC14	0.035	0.015 J	0.024 J	0.0086 J
1470	0.017 J	0.014 J	0.024 J	0.0075 J
nC15	0.04	0.029 J	0.036 J	0.019 J
nC16	0.025 J	0.015 J	0.022 J	0.012 J
1650	0.012 J	0.008 J	0.01 J	0.0058 J
nC17	0.031	0.024 J	0.048 J	0.028
pristane	0.075	0.073	0.1	0.047
nC18	0.032	0.028 J	0.04 J	0.015 J
phytane	0.0073 J	0.0087 J	0.008 J	0.0052 J
nC19	0.068	0.032 J	0.069	0.055
nC20	0.031	0.02 J	0.028 J	0.014 J
nC21	0.024 J	0.031 J	0.042 J	0.034
nC22	0.027 J	0.031 J	0.06 J	0.031
nC23	0.041	0.049	0.07	0.055
nC24	0.02 J	0.027 J	0.048 J	10 E
nC25	0.057	0.069	0.081	0.076
nC26	0.04	0.027 J	0.049 J	0.058
nC27	0.11	0.1	0.15	0.17
nC28	0.044	0.051	0.1	0.081
nC29	0.092	0.089	0.18	0.15
nC30	0.037	0.024 J	0.04 J	0.039
nC31	0.049	0.048	0.086	0.076
nC32	0.024 J	0.01 J	0.046 J	0.031
nC33	0.044	0.021 J	0.075	0.053
nC34	0.012 J	0.0065 J	0.019 J	0.013 J
nC35	0.042	0.029 J	0.03 J	0.036
nC36	0.0066 J	0.0031 J	0.0048 J	0.0027 J
nC37	ND	0.0021 J	ND	0.0067 J
nC38	ND	0.0044 J	ND	0.0076 J
nC39	ND	0.031 J	ND	0.0069 J
nC40	0.018 J	0.0058 J	0.015 J	0.0012 J
Total Resolved	16	7.6	14	19
TPHC	19	14	28	26
OTP	100	73	61	70
5AA	90	67	64	61
D50T	90	71	67	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 - SHC

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	09109750.D	12249764.D	08049751.D	08309723.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	8/5/1997
Analysis Date	9/14/1997	12/26/1997	8/8/1997	8/31/1997
Min Reporting Limit	0.02	0.033	0.023	0.039
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0029 J	0.12	0.0028 J	0.022 J
nC10	0.021 J	0.012 J	0.036	0.03 J
nC11	0.01 J	0.021 J	0.01 J	0.019 J
nC12	0.0097 J	0.013 J	0.011 J	0.021 J
nC13	0.015 J	0.021 J	0.011 J	0.027 J
1380	0.01 J	0.016 J	0.0072 J	0.013 J
nC14	0.029 J	0.034 J	0.018 J	0.037 J
1470	0.02 J	0.018 J	0.011 J	0.027 J
nC15	0.053	0.039	0.024 J	0.045 J
nC16	0.029 J	0.027 J	0.014 J	0.03 J
1650	0.017 J	0.012 J	0.0073 J	0.015 J
nC17	0.042	0.033 J	0.023 J	0.058
pristane	0.14	0.069	0.051	0.086
nC18	0.053	0.025 J	0.017 J	0.033 J
phytane	0.01 J	0.0093 J	0.0049 J	0.014 J
nC19	0.074	0.056	0.026	0.054 J
nC20	0.038	0.036 J	0.015 J	0.028 J
nC21	0.042	0.04	0.015 J	0.057 J
nC22	0.054	0.034 J	0.018 J	0.057 J
nC23	0.07	0.056	0.031	0.084
nC24	0.038	0.029 J	0.014 J	0.046 J
nC25	0.1	0.092	0.058	0.12
nC26	0.051	0.039	0.039	0.058
nC27	0.2	0.2	0.15	0.21
nC28	0.082	0.04	0.044	0.079
nC29	0.21	0.11	0.12	0.18
nC30	0.064	0.028 J	0.032	0.1
nC31	0.086	0.1	0.053	0.12
nC32	0.029 J	0.037	0.016 J	0.027 J
nC33	0.056	0.061	0.048	0.018 J
nC34	0.017 J	0.079	0.015 J	0.024 J
nC35	0.056	0.021 J	0.027	0.063
nC36	0.0071 J	0.0083 J	0.0066 J	0.012 J
nC37	0.014 J	0.016 J	ND	ND
nC38	ND	0.0075 J	ND	0.089
nC39	0.089	0.044	ND	0.079
nC40	0.0082 J	ND	ND	0.039 J
Total Resolved	13	13	16	28
TPHC	29	27	16	48
OTP	68	89	94	73
5AA	61	88	87	65
D50T	66	89	88	67

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	08309722.D	09109754.D	09109753.D	08309718.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	8/5/1997	8/8/1997	8/8/1997	8/5/1997
Analysis Date	8/31/1997	9/14/1997	9/14/1997	8/31/1997
Min Reporting Limit	0.029	0.025	0.025	0.041
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.022 J	0.0026 J	0.0027 J	0.052 J
nC10	0.016 J	0.016 J	0.011 J	0.029 J
nC11	0.0097 J	0.0078 J	0.0063 J	0.025 J
nC12	0.008 J	0.011 J	0.0059 J	0.022 J
nC13	0.012 J	0.015 J	0.012 J	0.029 J
1380	0.0078 J	0.011 J	0.0081 J	0.014 J
nC14	0.016 J	0.025 J	0.022 J	0.04 J
1470	0.016 J	0.018 J	0.019 J	0.03 J
nC15	0.024 J	0.05	0.046	0.057 J
nC16	0.014 J	0.029 J	0.027 J	0.033 J
1650	0.007 J	0.018 J	0.017 J	0.017 J
nC17	0.025 J	0.043	0.044	0.063 J
pristane	0.064	0.18	0.17	0.15
nC18	0.015 J	0.051	0.043	0.035 J
phytane	0.0075 J	0.011 J	0.015 J	0.014 J
nC19	0.024 J	0.043	0.049	0.075
nC20	0.018 J	0.032 J	0.038 J	0.032 J
nC21	0.021 J	0.038	0.048	0.052 J
nC22	0.028 J	0.075	0.051	0.06 J
nC23	0.043	0.073	0.071	0.087
nC24	0.025 J	0.044	0.035 J	0.044 J
nC25	0.058	0.096	0.097	0.12
nC26	0.03 J	0.056	0.048	0.06 J
nC27	0.1	0.2	0.16	0.22
nC28	0.063	0.12	0.068	0.07
nC29	0.081	0.18	0.17	0.22
nC30	0.048	0.073	0.041	0.09
nC31	0.046	0.091	0.092	0.1
nC32	0.011 J	0.026 J	0.016 J	0.032 J
nC33	0.013 J	ND	ND	ND
nC34	0.013 J	0.013 J	0.011 J	ND
nC35	0.039 J	0.076	0.036 J	0.071
nC36	ND	0.0084 J	0.0052 J	0.013 J
nC37	ND	0.024 J	0.0094 J	ND
nC38	ND	0.013 J	0.0076 J	ND
nC39	ND	ND	ND	ND
nC40	ND	0.014 J	0.0095 J	ND
Total Resolved	19	18	11	25
TPHC	27	35	24	44
OTP	70	70	66	65
5AA	65	61	60	61
D50T	67	68	63	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 - SHC

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	09169728.D	09169731.D	09169730.D	09039723.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	8/4/1997
Analysis Date	9/18/1997	9/18/1997	9/18/1997	9/1/1997
Min Reporting Limit	0.041	0.043	0.051	0.027
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0029 J	0.0042 J	ND	0.012 J
nC10	0.021 J	0.018 J	0.009 J	0.04
nC11	0.0076 J	0.0028 J	ND	0.018 J
nC12	0.011 J	0.0036 J	ND	0.013 J
nC13	0.017 J	0.006 J	0.011 J	0.014 J
1380	0.011 J	0.0061 J	0.005 J	0.0063 J
nC14	0.029 J	0.025 J	0.024 J	0.015 J
1470	0.027 J	0.027 J	0.031 J	0.013 J
nC15	0.048 J	0.04 J	0.04 J	0.027 J
nC16	0.027 J	0.025 J	0.022 J	0.019 J
1650	0.012 J	0.012 J	0.01 J	0.009 J
nC17	0.056 J	0.057 J	0.044 J	0.025 J
pristane	0.18	0.12	0.16	0.068
nC18	0.042 J	0.052 J	0.047 J	0.025 J
phytane	0.013 J	0.014 J	0.014 J	0.0036 J
nC19	0.11	0.067	0.093	0.044
nC20	0.033 J	0.037 J	0.029 J	0.021 J
nC21	0.05 J	0.051 J	0.051 J	0.021 J
nC22	0.097	0.069	0.057 J	0.041
nC23	0.088	0.094	0.091	0.041
nC24	0.048 J	0.054 J	0.056 J	0.033 J
nC25	0.11	0.11	0.1	0.064
nC26	0.058 J	0.054 J	0.057 J	0.026 J
nC27	0.21	0.22	0.2	0.067
nC28	0.11	0.097	0.11	0.025 J
nC29	0.21	0.24	0.2	0.041
nC30	0.061 J	0.037 J	0.099	ND
nC31	0.15	0.12	0.11	0.0071 J
nC32	0.077	0.037 J	0.041 J	0.011 J
nC33	0.048 J	0.045 J	0.044 J	0.037
nC34	ND	0.011 J	ND	0.041
nC35	0.12	0.031 J	0.037 J	ND
nC36	0.017 J	0.0052 J	0.0025 J	0.0074 J
nC37	0.27	0.0097 J	0.032 J	ND
nC38	0.011 J	0.015 J	0.022 J	0.0049 J
nC39	ND	ND	ND	0.0029 J
nC40	0.012 J	0.011 J	0.0043 J	ND
Total Resolved	23	12	16	9.7
TPHC	42	28	31	16
OTP	63	61	59	71
5AA	62	63	64	69
D50T	66	67	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 - SHC

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	09039707.D	09039718.D	08309719.D	08309713.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	8/4/1997	8/4/1997	8/5/1997	8/5/1997
Analysis Date	8/31/1997	9/1/1997	8/31/1997	8/31/1997
Min Reporting Limit	0.025	0.032	0.043	0.045
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.022 J	0.011 J	0.074	0.092 J
nC10	0.14	0.05	0.016 J	0.039 J
nC11	0.034	0.022 J	0.022 J	0.026 J
nC12	0.022 J	0.014 J	0.026 J	0.029 J
nC13	0.026 J	0.018 J	0.029 J	0.032 J
1380	0.0089 J	0.0067 J	0.016 J	0.026 J
nC14	0.026 J	0.017 J	0.029 J	0.047 J
1470	0.015 J	0.014 J	0.029 J	0.034 J
nC15	0.036	0.029 J	0.055 J	0.061 J
nC16	0.024 J	0.021 J	0.027 J	0.039 J
1650	0.01 J	0.0092 J	0.015 J	0.018 J
nC17	0.028 J	0.026 J	0.045 J	0.061 J
pristane	0.065	0.093	0.12	0.18
nC18	0.034	0.026 J	0.032 J	0.042 J
phytane	0.015 J	0.0055 J	0.013 J	0.016 J
nC19	0.049	0.051	0.079	0.14
nC20	0.026 J	0.021 J	0.031 J	0.043 J
nC21	0.03 J	0.024 J	0.039 J	0.079
nC22	0.038	0.038 J	0.055 J	0.068 J
nC23	0.047	0.043	0.076	0.1
nC24	0.035	0.045	0.04 J	0.052 J
nC25	0.076	0.065	0.11	0.12
nC26	0.032 J	0.028 J	0.055 J	0.074
nC27	0.086	0.072	0.18	0.21
nC28	0.03 J	0.026 J	0.098	0.11
nC29	0.044	0.042	0.18	0.24
nC30	0.013 J	ND	0.082	0.11
nC31	0.23	0.093	0.089	0.13
nC32	0.07	0.023 J	0.019 J	0.032 J
nC33	0.11	0.049	0.018 J	0.027 J
nC34	0.034	0.031 J	0.047 J	0.035 J
nC35	ND	0.014 J	0.063 J	0.084
nC36	0.01 J	0.0092 J	0.0085 J	0.011 J
nC37	ND	0.014 J	0.012 J	ND
nC38	0.005 J	0.012 J	ND	ND
nC39	ND	0.064	ND	ND
nC40	0.018 J	ND	ND	ND
Total Resolved	13	11	27	42
TPHC	22	26	45	71
OTP	75	74	66	65
5AA	69	73	61	61
D50T	74	78	62	62

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

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	08309724.D	08309714.D	09039720.D	08309717.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	8/5/1997	8/5/1997	8/4/1997	8/5/1997
Analysis Date	9/1/1997	8/31/1997	9/1/1997	8/31/1997
Min Reporting Limit	0.035	0.052	0.027	0.052
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.03 J	0.064 J	0.029 J	0.048 J
nC10	0.024 J	0.038 J	0.087	0.029 J
nC11	0.017 J	0.023 J	0.038 J	0.021 J
nC12	0.016 J	0.025 J	0.024 J	0.017 J
nC13	0.024 J	0.031 J	0.029 J	0.029 J
1380	0.014 J	0.015 J	0.011 J	0.017 J
nC14	0.03 J	0.041 J	0.026 J	0.04 J
1470	0.022 J	0.029 J	0.021 J	0.041 J
nC15	0.049 J	0.057 J	0.05	0.06 J
nC16	0.03 J	0.034 J	0.031 J	0.04 J
1650	0.013 J	0.018 J	0.014 J	0.019 J
nC17	0.041 J	0.062 J	0.037 J	0.067 J
pristane	0.12	0.21	0.097	0.24
nC18	0.03 J	0.034 J	0.041	0.045 J
phytane	0.011 J	0.014 J	0.0073 J	0.017 J
nC19	0.052 J	0.066 J	0.12	0.26
nC20	0.03 J	0.034 J	0.035 J	0.048 J
nC21	0.051 J	0.057 J	0.029 J	0.097
nC22	0.049 J	0.066 J	0.053	0.077 J
nC23	0.069	0.1	0.062	0.11
nC24	0.037 J	0.052 J	0.062	0.069 J
nC25	0.085	0.12	0.078	0.15
nC26	0.056 J	0.074 J	0.038 J	0.083 J
nC27	0.16	0.23	0.1	0.24
nC28	0.068	0.067 J	0.043	0.095
nC29	0.12	0.18	0.072	0.21
nC30	0.068	0.33	0.026 J	0.14
nC31	0.073	0.12	0.1	0.16
nC32	0.015 J	0.46	0.021 J	0.033 J
nC33	0.012 J	ND	0.059	0.024 J
nC34	0.044 J	0.059 J	0.059	ND
nC35	0.058 J	0.084 J	ND	0.093
nC36	0.0083 J	ND	0.012 J	ND
nC37	ND	ND	0.0084 J	ND
nC38	ND	ND	0.0087 J	ND
nC39	ND	ND	0.068	ND
nC40	ND	ND	0.0044 J	ND
Total Resolved	52	28	14	34
TPHC	36	48	26	60
OTP	64	67	73	62
5AA	58	61	64	56
D50T	59	61	68	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 - SHC

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	09039727.D	09039721.D	09039722.D	09039729.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	8/4/1997	8/4/1997	8/4/1997	8/4/1997
Analysis Date	9/2/1997	9/1/1997	9/1/1997	9/2/1997
Min Reporting Limit	0.028	0.026	0.027	0.026
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.013 J	0.0093 J	0.013 J	0.016 J
nC10	0.057	0.039	0.081	0.063
nC11	0.023 J	0.026 J	0.028 J	0.024 J
nC12	0.017 J	0.018 J	0.018 J	0.017 J
nC13	0.018 J	0.019 J	0.02 J	0.018 J
1380	0.0073 J	0.0083 J	0.0067 J	0.008 J
nC14	0.018 J	0.018 J	0.018 J	0.018 J
1470	0.016 J	0.017 J	0.015 J	0.016 J
nC15	0.033 J	0.035 J	0.034 J	0.035 J
nC16	0.023 J	0.024 J	0.024 J	0.024 J
1650	0.0096 J	0.01 J	0.01 J	0.011 J
nC17	0.031 J	0.03 J	0.031 J	0.03 J
pristane	0.066	0.089	0.07	0.098
nC18	0.031 J	0.029 J	0.03 J	0.031 J
phytane	0.0077 J	0.0051 J	0.0053 J	0.0057 J
nC19	0.063	0.054	0.1	0.065
nC20	0.027 J	0.024 J	0.026 J	0.026 J
nC21	0.023 J	0.029 J	0.024 J	0.022 J
nC22	0.044	0.042	0.041	0.039 J
nC23	0.051	0.046	0.049	0.05
nC24	0.047	0.047	0.042	0.048
nC25	0.081	0.068	0.082	0.074
nC26	0.036 J	0.029 J	0.032 J	0.031 J
nC27	0.086	0.076	0.081	0.096
nC28	0.036 J	0.057	0.032 J	0.031 J
nC29	0.057	0.051	0.05	0.059
nC30	0.017 J	0.012 J	0.019 J	0.028 J
nC31	0.0053 J	0.13	0.0039 J	0.008 J
nC32	0.037 J	0.024 J	0.027 J	0.016 J
nC33	0.1	0.061	0.036	0.057
nC34	0.063	0.042	0.051	0.057
nC35	ND	0.058	ND	ND
nC36	0.013 J	0.0056 J	ND	0.0092 J
nC37	0.0066 J	0.0015 J	ND	ND
nC38	ND	0.00097 J	0.011 J	0.015 J
nC39	ND	0.024 J	0.0069 J	0.02 J
nC40	0.023 J	0.0065 J	ND	ND
Total Resolved	13	11	13	11
TPHC	21	25	23	20
OTP	67	71	74	58
5AA	65	67	69	51
D50T	70	72	74	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 - SHC

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	09039724.D	09039728.D	09039730.D	09039719.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	8/4/1997	8/4/1997	8/4/1997	8/4/1997
Analysis Date	9/2/1997	9/2/1997	9/2/1997	9/1/1997
Min Reporting Limit	0.024	0.026	0.025	0.028
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.014 J	0.015 J	0.015 J	0.013 J
nC10	0.06	0.068	0.072	0.065
nC11	0.029 J	0.029 J	0.028 J	0.02 J
nC12	0.024 J	0.022 J	0.018 J	0.016 J
nC13	0.024 J	0.024 J	0.021 J	0.013 J
1380	0.0096 J	0.0096 J	0.0078 J	0.0051 J
nC14	0.024 J	0.024 J	0.021 J	0.013 J
1470	0.021 J	0.02 J	0.015 J	0.01 J
nC15	0.043	0.041	0.034 J	0.022 J
nC16	0.029 J	0.029 J	0.024 J	0.016 J
1650	0.012 J	0.012 J	0.01 J	0.0078 J
nC17	0.03 J	0.039	0.04	0.023 J
pristane	0.086	0.087	0.092	0.049
nC18	0.033	0.035 J	0.033 J	0.023 J
phytane	0.0071 J	0.0068 J	0.0064 J	0.0049 J
nC19	0.069	0.076	0.061	0.068
nC20	0.029 J	0.031 J	0.027 J	0.022 J
nC21	0.022 J	0.037	0.027 J	0.024 J
nC22	0.047	0.049	0.11	0.03 J
nC23	0.053	0.056	0.048	0.042
nC24	0.044	0.051	0.042	0.039
nC25	0.086	0.08	0.073	0.022 J
nC26	0.033	0.037	0.03 J	0.031 J
nC27	0.1	0.11	0.089	0.065
nC28	0.036	0.039	0.024 J	0.03 J
nC29	0.065	0.069	0.055	0.041
nC30	0.0092 J	ND	0.021 J	ND
nC31	0.0056 J	0.0056 J	0.0061 J	0.0024 J
nC32	0.039	0.014 J	0.01 J	0.007 J
nC33	0.1	0.038	0.04	0.03 J
nC34	0.049	0.055	0.055	0.032 J
nC35	ND	ND	ND	ND
nC36	0.014 J	ND	0.0051 J	ND
nC37	0.0094 J	0.0046 J	ND	ND
nC38	ND	0.0041 J	0.013 J	ND
nC39	ND	ND	ND	ND
nC40	0.021 J	0.015 J	ND	0.0035 J
Total Resolved	13	14	13	9.7
TPHC	22	24	24	18
OTP	71	70	63	71
5AA	68	67	62	69
D50T	72	71	67	74

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

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

Field ID	97-3-15-01-00-PHC-S	97-3-20-01-00-PHC-S
Lab ID	97C1424	97C1263
SDG	SDGS003	SDGS008
File	08049756.D	08309720.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	8/5/1997
Analysis Date	8/8/1997	8/31/1997
Min Reporting Limit	0.026	0.031
Units	ug/g	ug/g

SHC		
nC9	0.004 J	0.0064 J
nC10	0.029 J	0.029 J
nC11	0.012 J	0.022 J
nC12	0.014 J	0.025 J
nC13	0.014 J	0.031 J
1380	0.0082 J	0.017 J
nC14	0.023 J	0.042 J
1470	0.013 J	0.031 J
nC15	0.03 J	0.054 J
nC16	0.019 J	0.038 J
1650	0.0082 J	0.02 J
nC17	0.027 J	0.06
pristane	0.062	0.13
nC18	0.019 J	0.044 J
phytane	0.006 J	0.014 J
nC19	0.042	0.11
nC20	0.026 J	0.053 J
nC21	0.025 J	0.073
nC22	0.024 J	0.058
nC23	0.035	0.65
nC24	0.019 J	0.06
nC25	0.055	0.12
nC26	0.036	0.084
nC27	0.11	0.22
nC28	0.049	0.1
nC29	0.079	0.24
nC30	0.042	0.12
nC31	0.059	0.14
nC32	0.012 J	0.038 J
nC33	0.025 J	ND
nC34	0.012 J	ND
nC35	0.029 J	0.071
nC36	ND	0.014 J
nC37	ND	ND
nC38	ND	ND
nC39	ND	ND
nC40	ND	0.036 J
Total Resolved	15	27
TPHC	15	49
OTP	90	57
5AA	84	53
D50T	84	55