

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

1997 Final Data (Surrogate Corrected) - Source Samples - SHC

Field ID	AUGUSTINE IS.	CLC-1	CR-5	HOMER COAL
Lab ID	98D2090	98D1406	98D1439	98D2275
SDG	SDGS001	SDGO001	SDGS001	SDGO001
File	09189828.D	11099832.D	09189824.D	11069840.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Coal	Sediment	Coal
Sample Size	26.8 g	4.73 g	37.1 g	4.18 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-80PB	BX-S-29PB	BV-S-80PB	BX-S-29PB
Field Date	7/4/1998	5/16/1998	5/16/1998	7/7/1998
Extract Date	9/10/1998	10/21/1998	9/10/1998	10/21/1998
Analysis Date	9/19/1998	11/10/1998	9/19/1998	11/7/1998
Min Reporting Limit	0.019	0.1	0.013	0.12
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.0056 J	0.28	0.0029 J	0.12
nC10	0.007 JB	0.62	0.0042 JB	0.14 B
nC11	0.01 JB	0.85 B	0.005 JB	0.15 B
nC12	0.0076 J	0.66	0.005 J	0.05 J
nC13	0.0092 JB	0.68	0.0058 JB	0.11 J
1380	0.0027 J	0.47	0.0023 J	0.49
nC14	0.02 B	2.4	0.0088 JB	0.3
1470	0.0074 J	1.1	0.0043 J	0.64
nC15	0.018 J	0.72	0.0073 JB	0.37
nC16	0.013 J	0.92	0.0067 J	0.18
1650	0.006 J	0.34	0.0032 J	0.46
nC17	0.018 J	0.4	0.0076 J	0.48
pristane	0.032	0.78	0.0094 J	0.37
nC18	0.014 J	0.48	0.006 JB	0.41
phytane	0.0038 J	0.17	0.0018 J	0.15
nC19	0.023	I	0.009 J	1.5
nC20	0.051	ND	0.011 J	2.2
nC21	0.032	0.85	0.028	2.5
nC22	0.023	0.88	0.014	1.8
nC23	0.063	1.4	0.056	4.8
nC24	0.023 B	0.77	0.015 B	1.4
nC25	0.098	2	0.16	5.6
nC26	0.033	0.82	0.059	1.1
nC27	0.21	1.9	0.47	13
nC28	0.026	0.6	0.016	1.3
nC29	0.13	2.4	0.17	7.6
nC30	0.021	0.47	0.01 J	0.89
nC31	0.07	1.8	0.13	4.9
nC32	0.02	0.25	0.021	1.3
nC33	0.028	2.3	0.023	1.2
nC34	ND	0.11	0.16	0.16
nC35	ND	0.27	ND	4.1
nC36	ND	ND	ND	0.74
nC37	ND	0.036 J	0.056	ND
nC38	ND	ND	ND	ND
nC39	ND	0.025 J	ND	ND
nC40	ND	ND	ND	ND
Total Resolved	5.7	270	9.5	390
TPHC	12	400	13	660
OTP	70	70	73	57
5AA	72	70	75	57
D50T	75	69	79	59

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Field ID	Matanuska River	MC-1	Ninilchik Coal	SSCOAL 4
Lab ID	98D1438	98D1407	98D2276	98D2315
SDG	SDGS001	SDGO001	SDGO001	SDGO001
File	09189822.D	11069834.D	11069842.D	11069844.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Coal	Coal	Coal
Sample Size	31.3 g	4.86 g	3.62 g	3.66 g
Weight Basis	DRY	DRY	DRY	DRY
Associated Blank	BV-S-80PB	BX-S-29PB	BX-S-29PB	BX-S-29PB
Field Date	5/13/1998	5/16/1998	7/7/1998	6/22/1998
Extract Date	9/10/1998	10/21/1998	10/21/1998	10/21/1998
Analysis Date	9/19/1998	11/7/1998	11/7/1998	11/7/1998
Min Reporting Limit	0.016	0.1	0.14	0.14
Units	ug/g	ug/g	ug/g	ug/g
<b>SHC</b>				
nC9	0.01 J	0.4	0.18	0.44
nC10	0.01 JB	0.7	0.088 JB	0.15 B
nC11	0.015 JB	1.2	0.066 JB	0.17 B
nC12	0.012 J	0.96	0.015 JB	0.018 JB
nC13	0.013 JB	1.1	0.043 JB	0.075 J
1380	0.004 J	1.6	0.4	ND
nC14	0.031	4.3	1.6	0.98
1470	0.0082 J	1.4	0.22	0.15
nC15	0.016	1.3	0.055 J	0.17
nC16	0.016	1.9	0.23	0.17
1650	0.0078 J	1.3	0.28	0.18
nC17	0.02	0.85	0.094 J	0.48
pristane	0.036	4.2	0.08 J	0.14
nC18	0.015 J	0.63	0.14	0.37
phytane	0.0041 J	0.46	0.066 J	0.062 J
nC19	0.017	I	ND	1.2
nC20	0.022	1.2	12	1.6
nC21	0.028	1.3	ND	1.7
nC22	0.021	3.7	0.61	0.98
nC23	0.055	3.7	0.66	2.4
nC24	0.018 B	2.7	0.6	1.2
nC25	0.1	5.6	1.4	2
nC26	0.02	2.8	0.37	0.69
nC27	0.15	5.3	11	5.1
nC28	0.012 J	2	0.89	2.4
nC29	0.048	5.5	3.5	2.1
nC30	0.007 J	2.1	ND	0.26
nC31	0.031	2.5	ND	1.1
nC32	0.0058 J	0.44	I	3.2
nC33	0.011 J	1.8	4	6.1
nC34	0.0094 J	1.5	0.76	1.9
nC35	0.048	0.5	I	1.7
nC36	0.0019 J	0.38	0.28	ND
nC37	0.0057 J	ND	0.5	ND
nC38	ND	ND	0.78	0.17
nC39	ND	ND	0.42	0.12 J
nC40	ND	ND	ND	0.087 J
Total Resolved	3	810	980	560
TPHC	6.3	1200	1400	880
OTP	70	72	63	62
5AA	72	116	64	63
D50T	76	67	69	63

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Field ID	SSCOAL 5	98-0-WC-01-00-OIL	98-0-WC-02-00-OIL
Lab ID	98D2316	98D2273	98D2274
SDG	SDGO001	SDGO001	SDGO001
File	11099830.D	11069836.D	11069838.D
Sample Type	SAMP	SAMP	SAMP
Matrix	Coal	Oil	Oil
Sample Size	3.64 g	5.01 mg	5.07 mg
Weight Basis	DRY	OIL	OIL
Associated Blank	BX-S-29PB	BX-S-29PB	BX-S-29PB
Field Date	6/22/1998	7/7/1998	7/7/1998
Extract Date	10/21/1998	10/21/1998	10/21/1998
Analysis Date	11/10/1998	11/7/1998	11/7/1998
Min Reporting Limit	0.14	0.1	0.099
Units	ug/g	ug/mg	ug/mg
<b>SHC</b>			
nC9	0.17	0.04 J	0.089 J
nC10	0.16 B	0.085 JB	0.23 B
nC11	0.041 JB	0.051 JB	ND
nC12	0.031 JB	0.057 J	ND
nC13	0.078 J	0.12	ND
1380	0.053 J	0.12	0.75
nC14	0.84	0.15	ND
1470	0.11 J	0.36	0.99
nC15	0.13 J	0.098 J	0.2
nC16	0.12 J	0.073 J	0.1
1650	ND	ND	0.12
nC17	0.32	ND	ND
pristane	0.14	ND	0.88
nC18	0.2	ND	ND
phytane	0.098 J	ND	ND
nC19	1.4	ND	ND
nC20	1.2	ND	ND
nC21	1.2	ND	ND
nC22	0.55	ND	ND
nC23	2	ND	ND
nC24	0.58	ND	ND
nC25	1.4	ND	ND
nC26	0.38	ND	ND
nC27	2.1	ND	ND
nC28	1.5	ND	0.25
nC29	1.6	ND	ND
nC30	0.37	ND	ND
nC31	0.8	ND	ND
nC32	1.1	ND	ND
nC33	6.9	ND	ND
nC34	1.4	ND	ND
nC35	2.7	ND	ND
nC36	ND	ND	ND
nC37	ND	ND	ND
nC38	ND	ND	ND
nC39	ND	ND	ND
nC40	ND	ND	ND
Total Resolved	340	53	86
TPHC	620	570	750
OTP	60	70	67
5AA	62	73	72
D50T	59	69	67