

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	97-BB-01-01-00-PHC-C	97-CR-01-01-00-PHC-S	97-CT-01-01-00-PHC-O	97-HH-01-01-00-PHC-S
Lab ID	97C3660	97C1164	97C2281	97C1257
SDG	SDGSOD	SDGSOD	SDGSOD	SDGS008
File	12319743.D	12319723.D	12319741.D	08309712.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Coal	Sediment	Oil	Sediment
Sample Size	23.2 g	23.2 g	5.05 mg	18.2 g
Weight Basis	DRY	DRY	OIL	DRY
Associated Blank	BO-S-35PB	BO-S-35PB	BP-S-30PB	BL-S-07PB
Field Date	11/9/1997	7/15/1997	8/14/1997	7/16/1997
Extract Date	12/23/1997	12/23/1997	12/24/1997	8/5/1997
Analysis Date	1/2/1998	1/1/1998	1/1/1998	8/31/1997
Min Reporting Limit	0.34	0.043	200	0.027
Units	ug/g	ug/g	ug/g	ug/g
SHC				
nC9	ND	ND	6000	0.0068 J
nC10	0.029 J	ND	5600	0.0052 J
nC11	0.084 J	0.0027 J	6100	ND
nC12	0.055 J	0.0018 J	5900	0.0072 J
nC13	0.098 J	0.0038 J	5500	0.011 J
1380	0.13 J	0.0039 J	1500	0.009 J
nC14	3	0.0032 J	6200	ND
1470	0.83	0.0056 J	2500	0.038 J
nC15	0.24 J	0.0094 J	5500	0.049
nC16	0.12 J	0.0086 J	4900	0.023 J
1650	0.23 J	0.0019 J	2400	0.014 J
nC17	0.22 J	0.027 J	4700	0.22
pristane	0.21 J	0.0067 J	4100	0.036 J
nC18	0.26 J	0.015 J	3400	0.033 J
phytane	0.13 J	ND	1500	0.016 J
nC19	1.1	0.031 J	3200	0.14
nC20	ND	0.023 J	3200	ND
nC21	1.3	0.073	3000	0.19
nC22	1.2	0.054 J	2600	0.12
nC23	2.3	0.35	2600	0.33
nC24	0.8	0.12	2400	0.096
nC25	2.6	2.3	2000	0.41
nC26	0.61	0.23	1800	0.32
nC27	9.3	4.8	1500	0.72
nC28	1.1	0.14	1500	0.13
nC29	5.2	0.96	1100	0.8
nC30	ND	0.058	980	0.42
nC31	5.7	0.36	910	0.83
nC32	7.6	0.032 J	650	0.064
nC33	12	0.071	600	ND
nC34	ND	0.058	440	0.17
nC35	ND	ND	440	0.19
nC36	ND	0.073	240	0.094
nC37	ND	0.014 J	160 J	0.16
nC38	ND	0.029 J	160 J	0.49
nC39	ND	ND	110 J	0.067
nC40	ND	0.027 J	110 J	ND
Total Resolved	840	60	250000	67
TPHC	1200	68	630000	120
OTP	83	78	88	74
5AA	108	77	90	65
D50T	82	77	88	69

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Field ID	97-PW-01-01-00-PHC- FE	97-S-01-01-00-PHC-S	97-TB-01-01-00-PHC- PW	97-HH-01-01-04-PHC- S
Lab ID	97C1975	97C1540	97C2282	97C1256
SDG	SDGW001	SDGSOD	SDGW002	SDGS008
File	09249721.D	12319735.D	09249722.D	08309711.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Water	Sediment	Produced Water	Sediment
Sample Size	1.08 L	24.6 g	0.94 L	19.2 g
Weight Basis	VOLUME	DRY	VOLUME	DRY
Associated Blank	BL-S-81PB	BO-S-35PB	BM-S-29PB	BL-S-07PB
Field Date	8/12/1997	7/26/1997	8/26/1997	7/16/1997
Extract Date	8/18/1997	12/23/1997	9/2/1997	8/5/1997
Analysis Date	9/25/1997	1/1/1998	9/25/1997	8/31/1997
Min Reporting Limit	0.46	0.02	0.53	0.026
Units	ug/L	ug/g	ug/L	ug/g
SHC				
nC9	0.28 J	0.013 J	13	0.02 J
nC10	2.1	ND	22	0.0086 J
nC11	3.5	ND	30	0.0062 J
nC12	2.3	ND	36	0.0029 J
nC13	1.6	ND	40	0.0035 J
1380	0.46 J	ND	ND	0.0052 J
nC14	4.2	ND	47	0.0032 J
1470	0.95	ND	21	0.025 J
nC15	4	0.0017 J	44	0.034 J
nC16	2.5	0.0011 J	42	0.015 J
1650	2.1	ND	19	0.01 J
nC17	2.3	0.0051 J	42	0.075
pristane	1.1	ND	35	0.038 J
nC18	3.1	0.0013 J	36	0.032 J
phytane	1.1	ND	14	0.015 J
nC19	2.5	0.0025 J	36	0.11
nC20	1.6	0.0029 J	ND	0.04
nC21	1.7	0.0064 J	27	0.15
nC22	2.1	0.0049 J	26	0.089
nC23	3.3	0.017 J	26	0.29
nC24	3.9	0.0059 J	23	0.089
nC25	5.1	0.038	23	0.45
nC26	4	0.0076 J	18	0.29
nC27	6.3	0.088	14	0.71
nC28	3.7	0.0054 J	12	0.11
nC29	5.8	0.046	13	0.88
nC30	3.9	0.003 J	11	0.66
nC31	63	0.026	8.7	0.97
nC32	2.8	ND	7.1	0.083
nC33	ND	0.0032 J	5.8	0.13
nC34	1.9	ND	5.2	0.037 J
nC35	0.77 J	0.038	4.3	0.23
nC36	1.2	0.0029 J	1.3	0.063
nC37	ND	ND	1.6	0.045
nC38	1.2	ND	0.62 J	0.43
nC39	0.075 J	ND	1	0.048
nC40	ND	ND	0.82	ND
Total Resolved	1100	3.1	2500	63
TPHC	2300	4.3	6200	110
OTP	48	81	79	66
5AA	52	79	74	61
D50T	57	83	77	65

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Field ID	97-S-01-02-00-PHC-S	97-CR-02-01-00-PHC-S	97-RV-02-01-00-PHC-O	97-CR-03-01-00-PHC-S
Lab ID	97C1541	97C1165	97C1440	97C1166
SDG	SDGSOD	SDGSOD	SDGSOD	SDGSOD
File	12319737.D	12319725.D	12319739.D	12319727.D
Sample Type	SAMP	SAMP	SAMP	SAMP
Matrix	Sediment	Sediment	Diesel Fuel	Sediment
Sample Size	21.3 g	22.1 g	5.37 mg	22.2 g
Weight Basis	DRY	DRY	OIL	DRY
Associated Blank	BO-S-35PB	BO-S-35PB	BP-S-30PB	BO-S-35PB
Field Date	7/26/1997	7/15/1997	7/16/1997	7/15/1997
Extract Date	12/23/1997	12/23/1997	12/24/1997	12/23/1997
Analysis Date	1/1/1998	1/1/1998	1/1/1998	1/1/1998
Min Reporting Limit	0.023	0.023	190	0.022
Units	ug/g	ug/g	ug/g	ug/g
SHC				
nC9	0.0055 J	ND	2100	ND
nC10	ND	0.0024 J	3300	ND
nC11	ND	0.0022 J	4500	0.0016 J
nC12	ND	0.0023 J	5500	0.0015 J
nC13	ND	0.0023 J	6200	0.0013 J
1380	ND	0.00063 J	2700	ND
nC14	ND	0.003 J	10000	0.0015 J
1470	ND	0.0033 J	4100	ND
nC15	0.0011 J	0.0037 J	12000	0.0028 J
nC16	ND	0.0039 J	18000	0.0028 J
1650	ND	0.0057 J	9200	0.0014 J
nC17	0.0034 J	0.0058 J	20000	0.0043 J
pristane	ND	0.0047 J	12000	0.0026 J
nC18	0.0011 J	0.0044 J	16000	0.0036 J
phytane	ND	ND	7500	ND
nC19	0.0023 J	0.0047 J	9600	0.004 J
nC20	0.0013 J	0.0072 J	6000	0.0038 J
nC21	0.0042 J	0.0094 J	2800	0.0072 J
nC22	0.0039 J	0.0094 J	1000	0.0054 J
nC23	0.012 J	0.024 J	330	0.011 J
nC24	0.0055 J	0.016 J	87 J	0.0056 J
nC25	0.026 J	0.049	23 J	0.016 J
nC26	0.0071 J	0.021 J	9 J	0.005 J
nC27	0.058	0.13	9 J	0.047
nC28	0.0063 J	0.025 J	ND	0.027
nC29	0.03	0.056	ND	0.022 J
nC30	ND	0.0089 J	ND	0.0024 J
nC31	0.016 J	0.037	ND	0.015 J
nC32	0.0018 J	0.0068 J	ND	0.0014 J
nC33	0.0022 J	0.011 J	ND	0.004 J
nC34	0.0096 J	ND	19 J	0.0028 J
nC35	0.03	0.037	ND	0.021 J
nC36	0.0039 J	0.021 J	ND	0.0098 J
nC37	ND	0.0034 J	ND	ND
nC38	ND	ND	ND	ND
nC39	ND	ND	ND	ND
nC40	ND	ND	ND	ND
Total Resolved	1.4	1.9	380000	1.1
TPHC	2.5	3.5	920000	2.6
OTP	78	76	93	81
5AA	75	74	101	78
D50T	83	79	90	85

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Field ID	97-CR-04-01-00-PHC-S
Lab ID	97C1167
SDG	SDGSOD
File	12319729.D
Sample Type	SAMP
Matrix	Sediment
Sample Size	22 g
Weight Basis	DRY
Associated Blank	BO-S-35PB
Field Date	7/15/1997
Extract Date	12/23/1997
Analysis Date	1/1/1998
Min Reporting Limit	0.023
Units	ug/g

SHC	
nC9	ND
nC10	0.0031 J
nC11	0.0032 J
nC12	0.0036 J
nC13	0.0031 J
1380	0.001 J
nC14	0.0046 J
1470	0.0042 J
nC15	0.006 J
nC16	0.0057 J
1650	0.0029 J
nC17	0.0093 J
pristane	0.01 J
nC18	0.0066 J
phytane	0.0022 J
nC19	0.0073 J
nC20	0.0097 J
nC21	0.016 J
nC22	0.013 J
nC23	0.036
nC24	0.016 J
nC25	0.079
nC26	0.014 J
nC27	0.21
nC28	0.029
nC29	0.093
nC30	0.004 J
nC31	0.055
nC32	ND
nC33	0.024 J
nC34	ND
nC35	0.077
nC36	0.11
nC37	0.013 J
nC38	ND
nC39	ND
nC40	ND
Total Resolved	3.4
TPHC	5.3
OTP	84
5AA	81
D50T	86