

**Arthur D. Little, Inc.**

Environmental Monitoring and Analysis

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

1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike			
Lab ID	BW-S-41PB	BW-S-42BS			
SDG	SDGS006	SDGS006			
File	10209846.D	10209848.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	25 g	25 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BW-S-41PB			
Field Date	NA	NA			
Extract Date	10/6/1998	10/6/1998			
Analysis Date	10/21/1998	10/21/1998			
Min Reporting Limit	0.02	0.04			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	0.0049 J	ND			
nC10	0.0027 J	0.47	1	47	
nC11	0.0032 J	0.004 JB			
nC12	0.0019 J	ND			
nC13	0.0021 J	ND			
1380	0.0013 J	0.0012 JB			
nC14	0.0035 J	0.0027 JB			
1470	0.001 J	0.039 J			
nC15	0.0033 J	0.84	1	84	
nC16	0.0027 J	ND			
1650	0.0013 J	ND			
nC17	0.0033 J	ND			
pristane	0.0015 J	0.87	1	87	
nC18	0.0023 J	0.004 JB			
phytane	0.0011 J	0.006 J			
nC19	0.0022 J	ND			
nC20	ND	0.85	1	85	
nC21	0.0019 J	ND			
nC22	0.0024 J	0.0012 JB			
nC23	0.0033 J	0.0047 JB			
nC24	0.0027 J	ND			
nC25	0.0037 J	0.89	1	89	
nC26	0.0032 J	0.0024 JB			
nC27	0.0034 J	0.0059 JB			
nC28	0.0028 J	0.014 J			
nC29	0.0029 J	ND			
nC30	ND	0.85	1	85	
nC31	0.0023 J	0.002 JB			
nC32	0.0016 J	0.0046 JB			
nC33	0.00094 J	0.0041 JB			
nC34	0.0007 J	0.86	1	86	
nC35	ND	0.0035 J			
nC36	ND	0.81	1	81	
nC37	ND	ND			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	1.1	8.6			
TPHC	1.1	8.6			
OTP	88	91			
5AA	85	91			
D50T	96	95			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-83PB	BV-S-84BS			
SDG	SDGS002	SDGS002			
File	09199809.D	09199810.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	25 g	25 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BV-S-83PB			
Field Date	NA	NA			
Extract Date	9/14/1998	9/14/1998			
Analysis Date	9/20/1998	9/20/1998			
Min Reporting Limit	0.02	0.02			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	ND	0.0033 J			
nC10	ND	0.48	1	48	
nC11	ND	0.0026 J			
nC12	ND	ND			
nC13	ND	ND			
1380	ND	ND			
nC14	ND	ND			
1470	ND	ND			
nC15	ND	0.87	1	87	
nC16	ND	ND			
1650	ND	ND			
nC17	ND	ND			
pristane	ND	0.97	1	97	
nC18	ND	ND			
phytane	ND	0.0045 J			
nC19	ND	ND			
nC20	ND	0.95	1	95	
nC21	ND	ND			
nC22	ND	0.0014 J			
nC23	0.0025 J	0.0058 JB			
nC24	ND	0.047			
nC25	0.002 J	0.93	1	93	
nC26	0.0018 J	0.0039 JB			
nC27	0.0022 J	0.051			
nC28	0.0016 J	0.0048 JB			
nC29	ND	0.0041 J			
nC30	ND	0.88	1	88	
nC31	0.0014 J	ND			
nC32	ND	0.0042 J			
nC33	ND	0.0021 J			
nC34	ND	0.78	1	78	
nC35	ND	ND			
nC36	ND	0.72	1	72	
nC37	ND	ND			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	0.56	7.7			
TPHC	0.56	7.7			
OTP	71	73			
5AA	70	73			
D50T	81	78			

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1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-80PB	BV-S-81BS			
SDG	SDGS001	SDGS001			
File	09189816.D	09189818.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	25 g	25 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BV-S-80PB			
Field Date	NA	NA			
Extract Date	9/10/1998	9/10/1998			
Analysis Date	9/19/1998	9/19/1998			
Min Reporting Limit	0.02	0.02			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	ND	ND			
nC10	0.0035 J	0.57	1	57	
nC11	0.0033 J	0.0049 JB			
nC12	ND	ND			
nC13	0.0027 J	0.0014 JB			
1380	ND	ND			
nC14	0.0044 J	0.0037 JB			
1470	ND	ND			
nC15	0.002 J	0.88	1	88	
nC16	0.0011 J	0.0015 JB			
1650	ND	ND			
nC17	0.0011 J	ND			
pristane	ND	0.98	1	98	
nC18	0.0024 J	0.0014 JB			
phytane	ND	0.0057 J			
nC19	ND	ND			
nC20	ND	0.96	1	96	
nC21	0.0023 J	ND			
nC22	0.002 J	0.002 JB			
nC23	0.0032 J	0.0072 JB			
nC24	0.016 J	0.034 B			
nC25	0.0025 J	0.98	1	98	
nC26	0.002 J	0.014 J			
nC27	0.0021 J	0.016 J			
nC28	0.0024 J	0.019 J			
nC29	ND	0.012 J			
nC30	ND	0.93	1	93	
nC31	ND	0.028			
nC32	ND	0.007 J			
nC33	ND	0.0037 J			
nC34	ND	0.85	1	85	
nC35	ND	0.0018 J			
nC36	ND	0.78	1	78	
nC37	ND	ND			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	0.99	8.5			
TPHC	0.99	8.5			
OTP	76	73			
5AA	77	74			
D50T	83	80			

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1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-97PB	BV-S-98BS			
SDG	SDGS004	SDGS004			
File	10099808.D	10099809.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	25 g	25 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BV-S-97PB			
Field Date	NA	NA			
Extract Date	9/25/1998	9/25/1998			
Analysis Date	10/10/1998	10/10/1998			
Min Reporting Limit	0.02	0.02			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	0.01 J	0.015 JB			
nC10	ND	0.48	1	48	
nC11	0.0026 J	0.0068 JB			
nC12	ND	ND			
nC13	ND	ND			
1380	ND	ND			
nC14	ND	0.0024 J			
1470	ND	ND			
nC15	0.0015 J	0.88	1	88	
nC16	ND	ND			
1650	ND	ND			
nC17	ND	ND			
pristane	ND	0.99	1	99	
nC18	ND	0.0026 J			
phytane	ND	0.0055 J			
nC19	ND	ND			
nC20	ND	0.93	1	93	
nC21	ND	0.004 J			
nC22	0.0015 J	0.0089 J			
nC23	0.0051 J	0.02 B			
nC24	ND	0.069			
nC25	0.005 J	0.97	1	97	
nC26	0.0051 J	0.028			
nC27	0.006 J	0.042			
nC28	0.0049 J	0.025			
nC29	0.0052 J	0.023 B			
nC30	0.0035 J	0.91	1	91	
nC31	0.0038 J	0.02			
nC32	0.003 J	0.013 JB			
nC33	0.0019 J	0.009 JB			
nC34	ND	0.89	1	89	
nC35	ND	0.0061 J			
nC36	ND	0.83	1	83	
nC37	ND	0.002 J			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	0.87	8.4			
TPHC	0.87	8.4			
OTP	62	62			
5AA	62	63			
D50T	70	69			

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

1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike			
Lab ID	BW-S-23PB	BW-S-24BS			
SDG	SDGS005	SDGS005			
File	10109830.D	10109832.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	25 g	25 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BW-S-23PB			
Field Date	NA	NA			
Extract Date	9/29/1998	9/29/1998			
Analysis Date	10/11/1998	10/11/1998			
Min Reporting Limit	0.02	0.02			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	0.0013 J	0.014 J			
nC10	0.0013 J	0.45	1	45	
nC11	0.0017 J	0.0068 J			
nC12	ND	ND			
nC13	ND	0.0017 J			
1380	ND	0.0011 J			
nC14	0.0015 J	0.0037 J			
1470	ND	0.04			
nC15	0.0011 J	0.84	1	84	
nC16	0.0011 J	0.0013 J			
1650	ND	ND			
nC17	0.0012 J	ND			
pristane	ND	0.9	1	90	
nC18	0.0007 J	0.0035 J			
phytane	ND	0.005 J			
nC19	ND	ND			
nC20	ND	0.89	1	89	
nC21	0.0014 J	0.0013 J			
nC22	0.0019 J	0.002 J			
nC23	0.0037 J	0.0064 J			
nC24	ND	ND			
nC25	0.0039 J	0.91	1	91	
nC26	0.0034 J	0.0039 J			
nC27	0.0032 J	0.0054 J			
nC28	0.018 J	0.029			
nC29	ND	0.0042 J			
nC30	ND	0.88	1	88	
nC31	0.0029 J	0.0035 J			
nC32	0.0014 J	0.0047 J			
nC33	0.0013 J	0.0045 J			
nC34	0.0011 J	0.9	1	90	
nC35	0.0013 J	0.0069 J			
nC36	ND	0.86	1	86	
nC37	ND	0.0011 J			
nC38	ND	0.0018 J			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	0.8	8.5			
TPHC	0.8	8.5			
OTP	66	66			
5AA	65	66			
D50T	69	68			

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

1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike				
Lab ID	BV-S-91PB	BV-S-92BS				
SDG	SDGS003	SDGS003				
File	10029818.D	10029820.D				
Sample Type	PB	BS				
Matrix	Sediment	Sediment				
Sample Size	20 g	20 g				
Weight Basis	DRY	DRY				
Associated Blank	NA	BV-S-91PB				
Field Date	NA	NA				
Extract Date	9/24/1998	9/24/1998				
Analysis Date	10/3/1998	10/3/1998				
Min Reporting Limit	0.025	0.025				
Units	ug/g	ug/g	T	%R	Q	
<b>SHC</b>						
nC9	ND	0.4				
nC10	0.0026 J	0.47	1.25	37	&	
nC11	ND	0.15				
nC12	ND	ND				
nC13	ND	ND				
1380	ND	ND				
nC14	ND	0.005 J				
1470	ND	ND				
nC15	ND	0.9	1.25	72		
nC16	ND	ND				
1650	ND	ND				
nC17	ND	ND				
pristane	ND	1	1.25	80		
nC18	ND	0.0028 J				
phytane	ND	0.0043 J				
nC19	ND	ND				
nC20	ND	0.97	1.25	78		
nC21	ND	ND				
nC22	0.002 J	0.0038 JB				
nC23	0.0043 J	0.012 JB				
nC24	ND	0.044				
nC25	0.0069 J	1	1.25	79		
nC26	0.0061 J	0.024 JB				
nC27	0.0078 J	0.028 B				
nC28	0.0063 J	0.028 B				
nC29	ND	0.021 J				
nC30	ND	0.95	1.25	76		
nC31	0.0033 J	0.029				
nC32	0.0026 J	0.0091 JB				
nC33	0.002 J	0.0065 JB				
nC34	0.0013 J	0.88	1.25	70		
nC35	ND	0.004 J				
nC36	ND	0.8	1.25	64		
nC37	ND	ND				
nC38	ND	ND				
nC39	ND	ND				
nC40	ND	ND				
Total Resolved	0.64	24				
TPHC	0.64	24				
OTP	71	64				
5AA	72	67				
D50T	78	70				

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1997 Final Data (Surrogate Corrected) - BS-BSD - SHC

Field ID	Procedural Blank	Blank Spike			
Lab ID	BX-S-18PB	BX-S-19BS			
SDG	SDGW001	SDGW001			
File	10229832.D	10229834.D			
Sample Type	PB	BS			
Matrix	Water	Water			
Sample Size	0.5 L	0.5 L			
Weight Basis	VOLUME	VOLUME			
Associated Blank	NA	BX-S-18PB			
Field Date	NA	NA			
Extract Date	10/19/1998	10/19/1998			
Analysis Date	10/23/1998	10/23/1998			
Min Reporting Limit	2	2			
Units	ug/L	ug/L	T	%R	Q
<b>SHC</b>					
nC9	ND	ND			
nC10	ND	23	50	46	
nC11	ND	0.083 J			
nC12	ND	0.095 J			
nC13	ND	ND			
1380	ND	ND			
nC14	ND	0.071 J			
1470	ND	ND			
nC15	ND	46	50	92	
nC16	ND	ND			
1650	ND	ND			
nC17	ND	ND			
pristane	ND	48	50	96	
nC18	ND	0.14 J			
phytane	ND	0.26 J			
nC19	ND	ND			
nC20	ND	46	50	92	
nC21	ND	ND			
nC22	ND	ND			
nC23	ND	0.28 J			
nC24	ND	ND			
nC25	ND	48	50	96	
nC26	ND	0.22 J			
nC27	ND	0.49 J			
nC28	0.066 J	1.9 J			
nC29	ND	0.45 J			
nC30	ND	46	50	92	
nC31	ND	0.21 J			
nC32	ND	0.2 J			
nC33	ND	0.15 J			
nC34	ND	46	50	92	
nC35	ND	ND			
nC36	ND	43	50	86	
nC37	ND	ND			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	23	400			
TPHC	23	400			
OTP	88	93			
5AA	86	91			
D50T	88	93			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BX-S-29PB	BX-S-30BS			
SDG	SDGO001	SDGO001			
File	11069830.D	11069832.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	5 g	5 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	BX-S-29PB			
Field Date	NA	NA			
Extract Date	10/21/1998	10/21/1998			
Analysis Date	11/7/1998	11/7/1998			
Min Reporting Limit	0.1	0.1			
Units	ug/g	ug/g	T	%R	Q
<b>SHC</b>					
nC9	ND	ND			
nC10	0.079 J	2.3	5	44	&
nC11	0.2	0.25 B			
nC12	0.0098 J	ND			
nC13	0.014 J	0.015 JB			
1380	ND	0.016 J			
nC14	0.019 J	0.045 JB			
1470	ND	0.21			
nC15	ND	4.2	5	84	
nC16	0.0049 J	0.0044 JB			
1650	ND	ND			
nC17	0.0048 J	ND			
pristane	ND	4.4	5	88	
nC18	ND	0.018 J			
phytane	ND	0.024 J			
nC19	ND	ND			
nC20	ND	4.4	5	88	
nC21	ND	ND			
nC22	ND	ND			
nC23	0.0075 J	0.022 JB			
nC24	ND	ND			
nC25	0.0094 J	4.6	5	92	
nC26	0.0094 J	0.0086 JB			
nC27	0.0091 J	0.011 JB			
nC28	ND	0.11			
nC29	ND	0.012 J			
nC30	ND	4.4	5	88	
nC31	0.0087 J	0.0066 JB			
nC32	0.004 J	0.018 JB			
nC33	ND	0.021 J			
nC34	ND	4.5	5	90	
nC35	ND	0.017 J			
nC36	ND	4.3	5	86	
nC37	ND	ND			
nC38	ND	ND			
nC39	ND	ND			
nC40	ND	ND			
Total Resolved	18	59			
TPHC	18	59			
OTP	65	64			
5AA	64	63			
D50T	67	66			