

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BM91				BM91			
SDG	SDGS002				SDGS001			
File	DY0522.D				DZ6149.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5 mg				5 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	9/21/1998				9/18/1998			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	740	750	-1.3		760	750	1.3	
C1-Naphthalenes	1600	1700	-5.9		1800	1700	5.9	
C2-Naphthalenes	2200	2400	-8.3		2200	2400	-8.3	
C3-Naphthalenes	1800	2000	-10		1800	2000	-10	
C4-Naphthalenes	960	1200	-20		1100	1200	-8.3	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	210	220	-4.5		220	220	0	
Fluorene	98	94	4.2		92	94	-2.1	
C1-Fluorenes	260	240	8.3		220	240	-8.3	
C2-Fluorenes	360	350	2.8		320	350	-8.6	
C3-Fluorenes	410	400	2.5		370	400	-7.5	
Anthracene	ND				ND			
Phenanthrene	280	260	7.7		290	260	12	
C1-Phenanthrenes/anthracenes	650	600	8.3		640	600	6.7	
C2-Phenanthrenes/anthracenes	720	740	-2.7		700	740	-5.4	
C3-Phenanthrenes/anthracenes	540	540	0		520	540	-3.7	
C4-Phenanthrenes/anthracenes	350	330	6.1		340	330	3	
Dibenzothiophene	230	240	-4.2		240	240	0	
C1-Dibenzothiophenes	500	500	0		500	500	0	
C2-Dibenzothiophenes	700	740	-5.4		680	740	-8.1	
C3-Dibenzothiophenes	620	660	-6.1		590	660	-11	
Fluoranthene	ND				ND			
Pyrene	13	14	-7.1		14	14	0	
C1-Fluoranthenes/pyrenes	100	83	20		87	83	4.8	
C2-Fluoranthenes/pyrenes	150	150	0		140	150	-6.7	
C3-Fluoranthenes/pyrenes	170	170	0		180	170	5.9	
Benzo[a]anthracene	ND				ND			
Chrysene	50	49	2		50	49	2	
C1-Chrysenes	79	84	-6		90	84	7.1	
C2-Chrysenes	100	110	-9.1		120	110	9.1	
C3-Chrysenes	90	92	-2.2		100	92	8.7	
C4-Chrysenes	74	75	-1.3		77	75	2.7	
Benzo[b]fluoranthene	5	6.6	-24		6.2	6.6	-6.1	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	11	12	-8.3		12	12	0	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				ND			
Benzo[g,h,i]perylene	2.7 J				ND			
Total PAH	14000				14000			
d8-Naphthalene	99				106			
d10-Acenaphthene	97				102			
d10-Phenanthrene	94				94			
d12-Benzo[a]pyrene	113				109			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BM91				BN14			
SDG	SDGS001				SDGS003			
File	DY0575.D				DZ6358.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5 mg				5 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	9/30/1998				10/3/1998			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	780	750	4		660	750	-12	
C1-Naphthalenes	1800	1700	5.9		1600	1700	-5.9	
C2-Naphthalenes	2400	2400	0		2000	2400	-17	
C3-Naphthalenes	2000	2000	0		1500	2000	-25	
C4-Naphthalenes	1000	1200	-17		950	1200	-21	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	210	220	-4.5		200	220	-9.1	
Fluorene	94	94	0		97	94	3.2	
C1-Fluorenes	250	240	4.2		250	240	4.2	
C2-Fluorenes	350	350	0		360	350	2.8	
C3-Fluorenes	390	400	-2.5		440	400	10	
Anthracene	12				ND			
Phenanthrene	270	260	3.8		290	260	12	
C1-Phenanthrenes/anthracenes	620	600	3.3		640	600	6.7	
C2-Phenanthrenes/anthracenes	690	740	-6.8		760	740	2.7	
C3-Phenanthrenes/anthracenes	570	540	5.6		580	540	7.4	
C4-Phenanthrenes/anthracenes	300	330	-9.1		420	330	27	
Dibenzothiophene	220	240	-8.3		220	240	-8.3	
C1-Dibenzothiophenes	480	500	-4		480	500	-4	
C2-Dibenzothiophenes	660	740	-11		630	740	-15	
C3-Dibenzothiophenes	600	660	-9.1		600	660	-9.1	
Fluoranthene	ND				ND			
Pyrene	12	14	-14		13	14	-7.1	
C1-Fluoranthenes/pyrenes	92	83	11		93	83	12	
C2-Fluoranthenes/pyrenes	140	150	-6.7		150	150	0	
C3-Fluoranthenes/pyrenes	150	170	-12		170	170	0	
Benzo[a]anthracene	ND				ND			
Chrysene	44	49	-10		44	49	-10	
C1-Chrysenes	80	84	-4.8		78	84	-7.1	
C2-Chrysenes	100	110	-9.1		120	110	9.1	
C3-Chrysenes	94	92	2.2		97	92	5.4	
C4-Chrysenes	57	75	-24		67	75	-11	
Benzo[b]fluoranthene	6.2	6.6	-6.1		5.5	6.6	-17	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	11	12	-8.3		11	12	-8.3	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	1.7 J				ND			
Benzo[g,h,i]perylene	3.7 J				2.9 J			
Total PAH	14000				14000			
d8-Naphthalene	102				107			
d10-Acenaphthene	99				103			
d10-Phenanthrene	97				102			
d12-Benzo[a]pyrene	106				110			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude			
Lab ID	BN14			
SDG	SDGS004			
File	DY0625.D			
Sample Type	NSC			
Matrix	OIL			
Sample Size	5 mg			
Weight Basis	OIL			
Associated Blank	NA			
Field Date	NA			
Extract Date	NA			
Analysis Date	10/5/1998			
Min Reporting Limit	5			
Units	mg/Kg	T	%D	Q

PAH				
Naphthalene	730	750	-2.7	
C1-Naphthalenes	1800	1700	5.9	
C2-Naphthalenes	2600	2400	8.3	
C3-Naphthalenes	2100	2000	5	
C4-Naphthalenes	1100	1200	-8.3	
Acenaphthylene	ND			
Acenaphthene	ND			
Biphenyl	210	220	-4.5	
Fluorene	96	94	2.1	
C1-Fluorenes	250	240	4.2	
C2-Fluorenes	360	350	2.8	
C3-Fluorenes	410	400	2.5	
Anthracene	ND			
Phenanthrene	280	260	7.7	
C1-Phenanthrenes/anthracenes	640	600	6.7	
C2-Phenanthrenes/anthracenes	700	740	-5.4	
C3-Phenanthrenes/anthracenes	530	540	-1.8	
C4-Phenanthrenes/anthracenes	340	330	3	
Dibenzothiophene	220	240	-8.3	
C1-Dibenzothiophenes	470	500	-6	
C2-Dibenzothiophenes	650	740	-12	
C3-Dibenzothiophenes	580	660	-12	
Fluoranthene	ND			
Pyrene	13	14	-7.1	
C1-Fluoranthenes/pyrenes	94	83	13	
C2-Fluoranthenes/pyrenes	140	150	-6.7	
C3-Fluoranthenes/pyrenes	150	170	-12	
Benzo[a]anthracene	ND			
Chrysene	44	49	-10	
C1-Chrysenes	72	84	-14	
C2-Chrysenes	90	110	-18	
C3-Chrysenes	74	92	-20	
C4-Chrysenes	55	75	-27	
Benzo[b]fluoranthene	6.6	6.6	0	
Benzo[k]fluoranthene	ND			
Benzo[e]pyrene	11	12	-8.3	
Benzo[a]pyrene	ND			
Perylene	ND			
Indeno[1,2,3,-c,d]pyrene	ND			
Dibenzo[a,h]anthracene	ND			
Benzo[g,h,i]perylene	3.2	J		

Total PAH 15000

d8-Naphthalene	111
d10-Acenaphthene	102
d10-Phenanthrene	97
d12-Benzo[a]pyrene	110

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BM91				BM91			
SDG	SDGS005				SDGS006			
File	DY6096.D				DY0852.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5 mg				5 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	10/10/1998				10/26/1998			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	690	750	-8		740	750	-1.3	
C1-Naphthalenes	1700	1700	0		1800	1700	5.9	
C2-Naphthalenes	2300	2400	-4.2		2600	2400	8.3	
C3-Naphthalenes	1800	2000	-10		1900	2000	-5	
C4-Naphthalenes	870	1200	-28		1200	1200	0	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	200	220	-9.1		220	220	0	
Fluorene	98	94	4.2		100	94	6.4	
C1-Fluorenes	250	240	4.2		280	240	17	
C2-Fluorenes	360	350	2.8		340	350	-2.8	
C3-Fluorenes	410	400	2.5		380	400	-5	
Anthracene	ND				10			
Phenanthrene	280	260	7.7		280	260	7.7	
C1-Phenanthrenes/anthracenes	660	600	10		560	600	-6.7	
C2-Phenanthrenes/anthracenes	650	740	-12		670	740	-9.4	
C3-Phenanthrenes/anthracenes	480	540	-11		510	540	-5.6	
C4-Phenanthrenes/anthracenes	370	330	12		270	330	-18	
Dibenzothiophene	210	240	-12		210	240	-12	
C1-Dibenzothiophenes	450	500	-10		460	500	-8	
C2-Dibenzothiophenes	610	740	-18		580	740	-22	
C3-Dibenzothiophenes	530	660	-20		530	660	-20	
Fluoranthene	ND				ND			
Pyrene	14	14	0		14	14	0	
C1-Fluoranthenes/pyrenes	90	83	8.4		89	83	7.2	
C2-Fluoranthenes/pyrenes	160	150	6.7		120	150	-20	
C3-Fluoranthenes/pyrenes	150	170	-12		140	170	-18	
Benzo[a]anthracene	ND				ND			
Chrysene	49	49	0		56	49	14	
C1-Chrysenes	74	84	-12		81	84	-3.6	
C2-Chrysenes	100	110	-9.1		70	110	-36	&
C3-Chrysenes	81	92	-12		76	92	-17	
C4-Chrysenes	59	75	-21		70	75	-6.7	
Benzo[b]fluoranthene	5.5	6.6	-17		6.4 J	6.6	-3	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	11	12	-8.3		12	12	0	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				ND			
Benzo[g,h,i]perylene	3.7 J				3.1 J			
Total PAH	14000				14000			
d8-Naphthalene	97				90			
d10-Acenaphthene	92				86			
d10-Phenanthrene	86				90			
d12-Benzo[a]pyrene	101				104			

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Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BN14				BM91			
SDG	SDGS006				SDGW001			
File	DY0697.D				DY0852.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5 mg				5 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	10/18/1998				10/26/1998			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	750	750	0		740	750	-1.3	
C1-Naphthalenes	2000	1700	18		1800	1700	5.9	
C2-Naphthalenes	2700	2400	12		2600	2400	8.3	
C3-Naphthalenes	1800	2000	-10		1900	2000	-5	
C4-Naphthalenes	1200	1200	0		1200	1200	0	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	220	220	0		220	220	0	
Fluorene	100	94	6.4		100	94	6.4	
C1-Fluorenes	260	240	8.3		280	240	17	
C2-Fluorenes	340	350	-2.8		340	350	-2.8	
C3-Fluorenes	400	400	0		380	400	-5	
Anthracene	ND				ND			
Phenanthrene	280	260	7.7		280	260	7.7	
C1-Phenanthrenes/anthracenes	560	600	-6.7		560	600	-6.7	
C2-Phenanthrenes/anthracenes	680	740	-8.1		670	740	-9.4	
C3-Phenanthrenes/anthracenes	540	540	0		510	540	-5.6	
C4-Phenanthrenes/anthracenes	330	330	0		270	330	-18	
Dibenzothiophene	230	240	-4.2		210	240	-12	
C1-Dibenzothiophenes	510	500	2		460	500	-8	
C2-Dibenzothiophenes	670	740	-9.4		580	740	-22	
C3-Dibenzothiophenes	640	660	-3		530	660	-20	
Fluoranthene	ND				ND			
Pyrene	14	14	0		14	14	0	
C1-Fluoranthenes/pyrenes	90	83	8.4		89	83	7.2	
C2-Fluoranthenes/pyrenes	150	150	0		120	150	-20	
C3-Fluoranthenes/pyrenes	170	170	0		140	170	-18	
Benzo[a]anthracene	ND				ND			
Chrysene	42	49	-14		56	49	14	
C1-Chrysenes	79	84	-6		81	84	-3.6	
C2-Chrysenes	88	110	-20		70	110	-36	&
C3-Chrysenes	71	92	-23		76	92	-17	
C4-Chrysenes	70	75	-6.7		70	75	-6.7	
Benzo[b]fluoranthene	5.6	6.6	-15		6.4	6.6	-3	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	11	12	-8.3		12	12	0	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				ND			
Benzo[g,h,i]perylene	3.1 J				3.1 J			
Total PAH	15000				14000			
d8-Naphthalene	110				90			
d10-Acenaphthene	97				86			
d10-Phenanthrene	101				90			
d12-Benzo[a]pyrene	114				104			

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Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BO43				BN14			
SDG	SDGO001				SDGT002			
File	DX1389.D				DY1239.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5.02 mg				5 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	4/21/1999				11/23/1998			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	710	750	-5.3		780	750	4	
C1-Naphthalenes	1700	1700	0		1900	1700	12	
C2-Naphthalenes	2400	2400	0		2500	2400	4.2	
C3-Naphthalenes	2000	2000	0		2100	2000	5	
C4-Naphthalenes	1200	1200	0		1300	1200	8.3	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	220	220	0		220	220	0	
Fluorene	96	94	2.1		99	94	5.3	
C1-Fluorenes	240	240	0		230	240	-4.2	
C2-Fluorenes	360	350	2.8		340	350	-2.8	
C3-Fluorenes	400	400	0		390	400	-2.5	
Anthracene	ND				ND			
Phenanthrene	280	260	7.7		280	260	7.7	
C1-Phenanthrenes/anthracenes	650	600	8.3		660	600	10	
C2-Phenanthrenes/anthracenes	780	740	5.4		740	740	0	
C3-Phenanthrenes/anthracenes	560	540	3.7		500	540	-7.4	
C4-Phenanthrenes/anthracenes	320	330	-3		300	330	-9.1	
Dibenzothiophene	240	240	0		230	240	-4.2	
C1-Dibenzothiophenes	550	500	10		480	500	-4	
C2-Dibenzothiophenes	690	740	-6.8		640	740	-14	
C3-Dibenzothiophenes	620	660	-6.1		560	660	-15	
Fluoranthene	ND				ND			
Pyrene	12	14	-14		13	14	-7.1	
C1-Fluoranthenes/pyrenes	86	83	3.6		84	83	1.2	
C2-Fluoranthenes/pyrenes	140	150	-6.7		140	150	-6.7	
C3-Fluoranthenes/pyrenes	150	170	-12		140	170	-18	
Benzo[a]anthracene	ND				ND			
Chrysene	42	49	-14		46	49	-6.1	
C1-Chrysenes	74	84	-12		73	84	-13	
C2-Chrysenes	89	110	-19		83	110	-24	
C3-Chrysenes	77	92	-16		74	92	-20	
C4-Chrysenes	60	75	-20		62	75	-17	
Benzo[b]fluoranthene	6.1	6.6	-7.6		5	6.6	-24	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	12	12	0		10	12	-17	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				ND			
Benzo[g,h,i]perylene	2.9 J				ND			
Total PAH	15000				15000			
d8-Naphthalene	110				106			
d10-Acenaphthene	107				99			
d10-Phenanthrene	100				98			
d12-Benzo[a]pyrene	108				101			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BN14				BO43			
SDG	SDGT001				NA			
File	DZ7058.D				DX1779.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5 mg				5.02 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	11/17/1998				5/13/1999			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	760	750	1.3		740	750	-1.3	
C1-Naphthalenes	1700	1700	0		1900	1700	12	
C2-Naphthalenes	2100	2400	-12		2800	2400	17	
C3-Naphthalenes	1500	2000	-25		2000	2000	0	
C4-Naphthalenes	890	1200	-26		1300	1200	8.3	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	210	220	-4.5		240	220	9.1	
Fluorene	96	94	2.1		92	94	-2.1	
C1-Fluorenes	240	240	0		220	240	-8.3	
C2-Fluorenes	360	350	2.8		350	350	0	
C3-Fluorenes	370	400	-7.5		400	400	0	
Anthracene	ND				ND			
Phenanthrene	280	260	7.7		290	260	12	
C1-Phenanthrenes/anthracenes	620	600	3.3		640	600	6.7	
C2-Phenanthrenes/anthracenes	690	740	-6.8		800	740	8.1	
C3-Phenanthrenes/anthracenes	540	540	0		580	540	7.4	
C4-Phenanthrenes/anthracenes	420	330	27		390	330	18	
Dibenzothiophene	240	240	0		240	240	0	
C1-Dibenzothiophenes	500	500	0		430	500	-14	
C2-Dibenzothiophenes	670	740	-9.4		640	740	-14	
C3-Dibenzothiophenes	590	660	-11		590	660	-11	
Fluoranthene	ND				ND			
Pyrene	13	14	-7.1		15	14	7.1	
C1-Fluoranthenes/pyrenes	87	83	4.8		88	83	6	
C2-Fluoranthenes/pyrenes	150	150	0		150	150	0	
C3-Fluoranthenes/pyrenes	170	170	0		180	170	5.9	
Benzo[a]anthracene	ND				ND			
Chrysene	40	49	-18		41	49	-16	
C1-Chrysenes	72	84	-14		74	84	-12	
C2-Chrysenes	100	110	-9.1		87	110	-21	
C3-Chrysenes	76	92	-17		84	92	-8.7	
C4-Chrysenes	59	75	-21		70	75	-6.7	
Benzo[b]fluoranthene	6	6.6	-9.1		6.3	6.6	-4.5	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	13	12	8.3		12	12	0	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				ND			
Benzo[g,h,i]perylene	3.7 J				ND			
Total PAH	14000				15000			
d8-Naphthalene	106				113			
d10-Acenaphthene	107				105			
d10-Phenanthrene	106				100			
d12-Benzo[a]pyrene	108				118			

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - NSC - PAH

Field ID	North Slope Crude				North Slope Crude			
Lab ID	BO43				BO43			
SDG	NA				NA			
File	DX1825.D				DX2137.D			
Sample Type	NSC				NSC			
Matrix	OIL				OIL			
Sample Size	5.02 mg				5.02 mg			
Weight Basis	OIL				OIL			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	5/15/1999				6/4/1999			
Min Reporting Limit	5				5			
Units	mg/Kg	T	%D	Q	mg/Kg	T	%D	Q
PAH								
Naphthalene	780	750	4		770	750	2.7	
C1-Naphthalenes	2000	1700	18		1900	1700	12	
C2-Naphthalenes	2900	2400	21		2600	2400	8.3	
C3-Naphthalenes	2400	2000	20		2200	2000	10	
C4-Naphthalenes	1400	1200	17		1400	1200	17	
Acenaphthylene	ND				ND			
Acenaphthene	ND				ND			
Biphenyl	240	220	9.1		230	220	4.5	
Fluorene	98	94	4.2		96	94	2.1	
C1-Fluorenes	230	240	-4.2		220	240	-8.3	
C2-Fluorenes	380	350	8.6		350	350	0	
C3-Fluorenes	390	400	-2.5		460	400	15	
Anthracene	ND				ND			
Phenanthrene	290	260	12		290	260	12	
C1-Phenanthrenes/anthracenes	670	600	12		630	600	5	
C2-Phenanthrenes/anthracenes	790	740	6.8		870	740	18	
C3-Phenanthrenes/anthracenes	620	540	15		580	540	7.4	
C4-Phenanthrenes/anthracenes	390	330	18		370	330	12	
Dibenzothiophene	240	240	0		250	240	4.2	
C1-Dibenzothiophenes	510	500	2		500	500	0	
C2-Dibenzothiophenes	580	740	-22		750	740	1.4	
C3-Dibenzothiophenes	650	660	-1.5		640	660	-3	
Fluoranthene	ND				ND			
Pyrene	10	14	-28		11	14	-21	
C1-Fluoranthenes/pyrenes	89	83	7.2		75	83	-9.6	
C2-Fluoranthenes/pyrenes	140	150	-6.7		130	150	-13	
C3-Fluoranthenes/pyrenes	170	170	0		170	170	0	
Benzo[a]anthracene	ND				ND			
Chrysene	41	49	-16		51	49	4.1	
C1-Chrysenes	76	84	-9.5		70	84	-17	
C2-Chrysenes	93	110	-15		83	110	-24	
C3-Chrysenes	86	92	-6.5		80	92	-13	
C4-Chrysenes	53	75	-29		61	75	-19	
Benzo[b]fluoranthene	7.3	6.6	11		8.4	6.6	27	
Benzo[k]fluoranthene	ND				ND			
Benzo[e]pyrene	15	12	25		14	12	17	
Benzo[a]pyrene	ND				ND			
Perylene	ND				ND			
Indeno[1,2,3,-c,d]pyrene	ND				ND			
Dibenzo[a,h]anthracene	ND				1.1 J			
Benzo[g,h,i]perylene	ND				3.9 J			
Total PAH	16000				16000			
d8-Naphthalene	108				105			
d10-Acenaphthene	101				104			
d10-Phenanthrene	98				98			
d12-Benzo[a]pyrene	96				123			