

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BM62				BM62			
SDG	SDGS002				SDGS001			
File	DY0521.D				DY0574.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	9/21/1998				9/30/1998			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6000	6890	-13		6400	6890	-7.1	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6300	6960	-9.5		6400	6960	-8	
Acenaphthene	6600	7280	-9.3		6500	7280	-11	
Biphenyl	6800	7000	-2.8		6400	7000	-8.6	
Fluorene	6700	7270	-7.8		6300	7270	-13	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	8700	7820	11		8500	7820	8.7	
Phenanthrene	6600	7010	-5.8		6300	7010	-10	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	5600	5910	-5.2		5200	5910	-12	
Pyrene	5800	5890	-1.5		5400	5890	-8.3	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3300	3590	-8.1		3200	3590	-11	
Chrysene	7400	7030	5.3		6800	7030	-3.3	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	4500	5250	-14		4600	5250	-12	
Benzo[k]fluoranthene	5600	5570	0.54		5100	5570	-8.4	
Benzo[e]pyrene	5300	5620	-5.7		5400	5620	-3.9	
Benzo[a]pyrene	7200	6790	6		7300	6790	7.5	
Perylene	7700	7120	8.1		7100	7120	-0.3	
Indeno[1,2,3,-c,d]pyrene	5200	6290	-17	&	5400	6290	-14	
Dibenzo[a,h]anthracene	4800	5180	-7.3		4500	5180	-13	
Benzo[g,h,i]perylene	4500	5290	-15		4700	5290	-11	
Total PAH	110000				110000			
d8-Naphthalene	107				106			
d10-Acenaphthene	96				101			
d10-Phenanthrene	98				103			
d12-Benzo[a]pyrene	104				105			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BM62				BN18			
SDG	SDGS001				SDGS003			
File	DZ6148.D				DZ6357.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	9/18/1998				10/3/1998			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6200	6890	-10		6100	6890	-11	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6400	6960	-8		6500	6960	-6.6	
Acenaphthene	6500	7280	-11		6700	7280	-8	
Biphenyl	6600	7000	-5.7		6400	7000	-8.6	
Fluorene	6400	7270	-12		6600	7270	-9.2	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	8000	7820	2.3		8500	7820	8.7	
Phenanthrene	6000	7010	-14		7500	7010	7	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	5100	5910	-14		6000	5910	1.5	
Pyrene	5100	5890	-13		6000	5890	1.9	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3100	3590	-14		3400	3590	-5.3	
Chrysene	6300	7030	-10		6600	7030	-6.1	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	4600	5250	-12		5000	5250	-4.8	
Benzo[k]fluoranthene	5200	5570	-6.6		5600	5570	0.54	
Benzo[e]pyrene	5300	5620	-5.7		5600	5620	-0.4	
Benzo[a]pyrene	7200	6790	6		7200	6790	6	
Perylene	7200	7120	1.1		7200	7120	1.1	
Indeno[1,2,3,-c,d]pyrene	5500	6290	-12		5900	6290	-6.2	
Dibenzo[a,h]anthracene	4600	5180	-11		4900	5180	-5.4	
Benzo[g,h,i]perylene	4600	5290	-13		4900	5290	-7.4	
Total PAH	110000				120000			
d8-Naphthalene	103				95			
d10-Acenaphthene	101				94			
d10-Phenanthrene	109				93			
d12-Benzo[a]pyrene	99				93			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491
Lab ID	BN12
SDG	SDGS004
File	DY0623.D
Sample Type	IRM
Matrix	SRM
Sample Size	0.1 mL
Weight Basis	VOLUME
Associated Blank	NA
Field Date	NA
Extract Date	NA
Analysis Date	10/5/1998
Min Reporting Limit	250
Units	ug/L
	T %D Q

PAH				
Naphthalene	6400	6890	-7.1	
C1-Naphthalenes	ND			
C2-Naphthalenes	ND			
C3-Naphthalenes	ND			
C4-Naphthalenes	ND			
Acenaphthylene	6900	6960	-0.9	
Acenaphthene	6800	7280	-6.6	
Biphenyl	6900	7000	-1.4	
Fluorene	6900	7270	-5.1	
C1-Fluorenes	ND			
C2-Fluorenes	ND			
C3-Fluorenes	ND			
Anthracene	8500	7820	8.7	
Phenanthrene	7100	7010	1.3	
C1-Phenanthrenes/anthracenes	ND			
C2-Phenanthrenes/anthracenes	ND			
C3-Phenanthrenes/anthracenes	ND			
C4-Phenanthrenes/anthracenes	ND			
Dibenzothiophene	ND			
C1-Dibenzothiophenes	ND			
C2-Dibenzothiophenes	ND			
C3-Dibenzothiophenes	ND			
Fluoranthene	6000	5910	1.5	
Pyrene	6200	5890	5.3	
C1-Fluoranthenes/pyrenes	ND			
C2-Fluoranthenes/pyrenes	ND			
C3-Fluoranthenes/pyrenes	ND			
Benzo[a]anthracene	3600	3590	0.28	
Chrysene	6800	7030	-3.3	
C1-Chrysenes	ND			
C2-Chrysenes	ND			
C3-Chrysenes	ND			
C4-Chrysenes	ND			
Benzo[b]fluoranthene	4800	5250	-8.6	
Benzo[k]fluoranthene	6000	5570	7.7	
Benzo[e]pyrene	5700	5620	1.4	
Benzo[a]pyrene	7600	6790	12	
Perylene	7600	7120	6.7	
Indeno[1,2,3,-c,d]pyrene	5400	6290	-14	
Dibenzo[a,h]anthracene	4600	5180	-11	
Benzo[g,h,i]perylene	4900	5290	-7.4	

Total PAH 120000

d8-Naphthalene	99
d10-Acenaphthene	92
d10-Phenanthrene	91
d12-Benzo[a]pyrene	94

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BN18				BN12			
SDG	SDGS005				SDGS006			
File	DY6095.D				DY0851.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	10/10/1998				10/26/1998			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	5900	6890	-14		6400	6890	-7.1	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6500	6960	-6.6		7100	6960	2	
Acenaphthene	6600	7280	-9.3		7000	7280	-3.8	
Biphenyl	6300	7000	-10		7200	7000	2.8	
Fluorene	6400	7270	-12		7000	7270	-3.7	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	8100	7820	3.6		8600	7820	10	
Phenanthrene	7000	7010	-0.1		7100	7010	1.3	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	5800	5910	-1.9		6100	5910	3.2	
Pyrene	5900	5890	0.17		6100	5890	3.6	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3600	3590	0.28		3600	3590	0.28	
Chrysene	6700	7030	-4.7		6400	7030	-9	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	5100	5250	-2.8		5100	5250	-2.8	
Benzo[k]fluoranthene	6000	5570	7.7		5600	5570	0.54	
Benzo[e]pyrene	5800	5620	3.2		5600	5620	-0.4	
Benzo[a]pyrene	7600	6790	12		7300	6790	7.5	
Perylene	7500	7120	5.3		7200	7120	1.1	
Indeno[1,2,3,-c,d]pyrene	5900	6290	-6.2		5700	6290	-9.4	
Dibenzo[a,h]anthracene	5000	5180	-3.5		4800	5180	-7.3	
Benzo[g,h,i]perylene	4900	5290	-7.4		4900	5290	-7.4	
Total PAH	120000				120000			
d8-Naphthalene	98				100			
d10-Acenaphthene	97				91			
d10-Phenanthrene	95				96			
d12-Benzo[a]pyrene	94				96			

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Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BN12				BN12			
SDG	SDGS006				SDGW001			
File	DY0696.D				DY0851.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	10/17/1998				10/26/1998			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6400	6890	-7.1		6400	6890	-7.1	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	7000	6960	0.57		7100	6960	2	
Acenaphthene	6800	7280	-6.6		7000	7280	-3.8	
Biphenyl	6900	7000	-1.4		7200	7000	2.8	
Fluorene	6600	7270	-9.2		7000	7270	-3.7	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	8400	7820	7.4		8600	7820	10	
Phenanthrene	7100	7010	1.3		7100	7010	1.3	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	6100	5910	3.2		6100	5910	3.2	
Pyrene	6200	5890	5.3		6100	5890	3.6	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3600	3590	0.28		3600	3590	0.28	
Chrysene	6700	7030	-4.7		6400	7030	-9	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	5000	5250	-4.8		5100	5250	-2.8	
Benzo[k]fluoranthene	6100	5570	9.5		5600	5570	0.54	
Benzo[e]pyrene	5800	5620	3.2		5600	5620	-0.4	
Benzo[a]pyrene	7600	6790	12		7300	6790	7.5	
Perylene	7800	7120	9.6		7200	7120	1.1	
Indeno[1,2,3,-c,d]pyrene	5500	6290	-12		5700	6290	-9.4	
Dibenzo[a,h]anthracene	4500	5180	-13		4800	5180	-7.3	
Benzo[g,h,i]perylene	4800	5290	-9.3		4900	5290	-7.4	
Total PAH	120000				120000			
d8-Naphthalene	99				100			
d10-Acenaphthene	94				91			
d10-Phenanthrene	94				96			
d12-Benzo[a]pyrene	91				96			

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Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BO72				BN12			
SDG	SDGO001				SDGT002			
File	DX1388.D				DY1238.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	4/21/1999				11/23/1998			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6000	6890	-13		6700	6890	-2.8	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6400	6960	-8		6800	6960	-2.3	
Acenaphthene	6200	7280	-15		6800	7280	-6.6	
Biphenyl	6600	7000	-5.7		7100	7000	1.4	
Fluorene	6300	7270	-13		6800	7270	-6.5	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	6800	7820	-13		8400	7820	7.4	
Phenanthrene	6800	7010	-3		7100	7010	1.3	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	5700	5910	-3.6		6000	5910	1.5	
Pyrene	5800	5890	-1.5		6000	5890	1.9	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3400	3590	-5.3		3700	3590	3.1	
Chrysene	6200	7030	-12		6600	7030	-6.1	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	5100	5250	-2.8		5200	5250	-1	
Benzo[k]fluoranthene	5800	5570	4.1		5900	5570	5.9	
Benzo[e]pyrene	5800	5620	3.2		5800	5620	3.2	
Benzo[a]pyrene	6600	6790	-2.8		7500	6790	10	
Perylene	7100	7120	-0.3		7500	7120	5.3	
Indeno[1,2,3,-c,d]pyrene	5600	6290	-11		6000	6290	-4.6	
Dibenzo[a,h]anthracene	4700	5180	-9.3		5000	5180	-3.5	
Benzo[g,h,i]perylene	5000	5290	-5.5		5100	5290	-3.6	
Total PAH	110000				120000			
d8-Naphthalene	104				97			
d10-Acenaphthene	100				95			
d10-Phenanthrene	100				96			
d12-Benzo[a]pyrene	97				91			

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Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BN12				BP54			
SDG	SDGT001				NA			
File	DZ7057.D				DX1778.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	11/17/1998				5/13/1999			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6600	6890	-4.2		6300	6890	-8.6	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6500	6960	-6.6		6200	6960	-11	
Acenaphthene	6800	7280	-6.6		6400	7280	-12	
Biphenyl	6900	7000	-1.4		6500	7000	-7.1	
Fluorene	6800	7270	-6.5		6400	7270	-12	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	9000	7820	15		7500	7820	-4.1	
Phenanthrene	7200	7010	2.7		6700	7010	-4.4	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				ND			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	6100	5910	3.2		5500	5910	-6.9	
Pyrene	6200	5890	5.3		5700	5890	-3.2	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3500	3590	-2.5		3100	3590	-14	
Chrysene	6800	7030	-3.3		6300	7030	-10	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	5100	5250	-2.8		4900	5250	-6.7	
Benzo[k]fluoranthene	6000	5570	7.7		5500	5570	-1.2	
Benzo[e]pyrene	5800	5620	3.2		5400	5620	-3.9	
Benzo[a]pyrene	7800	6790	15		6800	6790	0.15	
Perylene	7700	7120	8.1		7000	7120	-1.7	
Indeno[1,2,3,-c,d]pyrene	5400	6290	-14		5600	6290	-11	
Dibenzo[a,h]anthracene	4900	5180	-5.4		4600	5180	-11	
Benzo[g,h,i]perylene	5100	5290	-3.6		5000	5290	-5.5	
Total PAH	120000				110000			
d8-Naphthalene	97				109			
d10-Acenaphthene	95				108			
d10-Phenanthrene	93				105			
d12-Benzo[a]pyrene	90				113			

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

1997 Final Data (Surrogate Corrected) - IRM - PAH

Field ID	SRM 1491				SRM 1491			
Lab ID	BP54				BP54			
SDG	NA				NA			
File	DX1824.D				DX2136.D			
Sample Type	IRM				IRM			
Matrix	SRM				SRM			
Sample Size	0.1 mL				0.1 mL			
Weight Basis	VOLUME				VOLUME			
Associated Blank	NA				NA			
Field Date	NA				NA			
Extract Date	NA				NA			
Analysis Date	5/15/1999				6/4/1999			
Min Reporting Limit	250				250			
Units	ug/L	T	%D	Q	ug/L	T	%D	Q
PAH								
Naphthalene	6300	6890	-8.6		6200	6890	-10	
C1-Naphthalenes	ND				ND			
C2-Naphthalenes	ND				ND			
C3-Naphthalenes	ND				ND			
C4-Naphthalenes	ND				ND			
Acenaphthylene	6200	6960	-11		6500	6960	-6.6	
Acenaphthene	6600	7280	-9.3		6600	7280	-9.3	
Biphenyl	6700	7000	-4.3		6800	7000	-2.8	
Fluorene	6400	7270	-12		6500	7270	-10	
C1-Fluorenes	ND				ND			
C2-Fluorenes	ND				ND			
C3-Fluorenes	ND				ND			
Anthracene	7200	7820	-7.9		7700	7820	-1.5	
Phenanthrene	6900	7010	-1.6		6900	7010	-1.6	
C1-Phenanthrenes/anthracenes	ND				ND			
C2-Phenanthrenes/anthracenes	ND				ND			
C3-Phenanthrenes/anthracenes	ND				ND			
C4-Phenanthrenes/anthracenes	ND				ND			
Dibenzothiophene	ND				28 J			
C1-Dibenzothiophenes	ND				ND			
C2-Dibenzothiophenes	ND				ND			
C3-Dibenzothiophenes	ND				ND			
Fluoranthene	5700	5910	-3.6		5800	5910	-1.9	
Pyrene	5800	5890	-1.5		5900	5890	0.17	
C1-Fluoranthenes/pyrenes	ND				ND			
C2-Fluoranthenes/pyrenes	ND				ND			
C3-Fluoranthenes/pyrenes	ND				ND			
Benzo[a]anthracene	3500	3590	-2.5		3900	3590	8.6	
Chrysene	6000	7030	-15		6000	7030	-15	
C1-Chrysenes	ND				ND			
C2-Chrysenes	ND				ND			
C3-Chrysenes	ND				ND			
C4-Chrysenes	ND				ND			
Benzo[b]fluoranthene	5100	5250	-2.8		4900	5250	-6.7	
Benzo[k]fluoranthene	4900	5570	-12		5100	5570	-8.4	
Benzo[e]pyrene	5200	5620	-7.5		5400	5620	-3.9	
Benzo[a]pyrene	6300	6790	-7.2		6400	6790	-5.7	
Perylene	6200	7120	-13		6500	7120	-8.7	
Indeno[1,2,3,-c,d]pyrene	5700	6290	-9.4		6000	6290	-4.6	
Dibenzo[a,h]anthracene	4700	5180	-9.3		4800	5180	-7.3	
Benzo[g,h,i]perylene	4800	5290	-9.3		4900	5290	-7.4	
Total PAH	110000				110000			
d8-Naphthalene	112				111			
d10-Acenaphthene	105				104			
d10-Phenanthrene	104				102			
d12-Benzo[a]pyrene	108				124			