

Arthur D. Little, Inc.

Environmental Monitoring and Analysis

Minerals Management Service - Shelikof Strait and Outermost Cook Inlet

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

Field ID	Procedural Blank	Blank Spike				
Lab ID	BV-S-83PB	BV-S-84BS				
SDG	SDGS002	SDGS002				
File	DY0523.D	DY0524.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	9/21/1998	9/22/1998				
Min Reporting Limit	0.5	0.5				
Units	ug/Kg	ug/Kg	T	%R	Q	
PAH						
Naphthalene	0.43 J	35	40	86		
C1-Naphthalenes	ND	0.36 J				
C2-Naphthalenes	ND	ND				
C3-Naphthalenes	ND	ND				
C4-Naphthalenes	ND	ND				
Acenaphthylene	ND	31	40	78		
Acenaphthene	ND	36	40	90		
Biphenyl	ND	ND				
Fluorene	ND	36	40	90		
C1-Fluorenes	ND	ND				
C2-Fluorenes	ND	ND				
C3-Fluorenes	ND	ND				
Anthracene	ND	28	40	70		
Phenanthrene	0.14 J	34	40	85		
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	ND	36	40	90		
Pyrene	ND	35	40	88		
C1-Fluoranthenes/pyrenes	ND	ND				
C2-Fluoranthenes/pyrenes	ND	ND				
C3-Fluoranthenes/pyrenes	ND	ND				
Benzo[a]anthracene	ND	38	40	95		
Chrysene	ND	35	40	88		
C1-Chrysenes	ND	ND				
C2-Chrysenes	ND	ND				
C3-Chrysenes	ND	ND				
C4-Chrysenes	ND	ND				
Benzo[b]fluoranthene	ND	40	40	100	&	
Benzo[k]fluoranthene	ND	35	40	88		
Benzo[e]pyrene	ND	ND				
Benzo[a]pyrene	ND	31	40	78		
Perylene	ND	ND				
Indeno[1,2,3,-c,d]pyrene	ND	39	40	98	&	
Dibenzo[a,h]anthracene	ND	40	40	100	&	
Benzo[g,h,i]perylene	ND	35	40	88		
Total PAH	0.57	560				
d8-Naphthalene	72	95				
d10-Acenaphthene	75	94				
d10-Phenanthrene	88	100				
d12-Benzo[a]pyrene	53	74				

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

Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-80PB	BV-S-81BS			
SDG	SDGS001	SDGS001			
File	DZ6151.D	DZ6152.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	0.5	0.5			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	0.4 J	42	40	104	
C1-Naphthalenes	0.29 J	0.82 B			
C2-Naphthalenes	ND	1.7			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	25	40	63	
Acenaphthene	ND	42	40	105	
Biphenyl	ND	ND			
Fluorene	ND	41	40	103	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	17	40	43	
Phenanthrene	0.41 J	46	40	114	
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	0.13 J	45	40	112	
Pyrene	ND	42	40	105	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	38	40	95	
Chrysene	ND	43	40	108	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	44	40	110	
Benzo[k]fluoranthene	ND	39	40	98	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	26	40	65	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	41	40	103	
Dibenzo[a,h]anthracene	ND	42	40	105	
Benzo[g,h,i]perylene	ND	41	40	103	
Total PAH	1.2	620			
d8-Naphthalene	93	94			
d10-Acenaphthene	87	87			
d10-Phenanthrene	101	85			
d12-Benzo[a]pyrene	50	45			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-91PB	BV-S-92BS			
SDG	SDGS003	SDGS003			
File	DZ6360.D	DZ6361.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	0.62	0.62			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	0.59 J	50	50	99	
C1-Naphthalenes	0.44 J	ND			
C2-Naphthalenes	ND	ND			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	53	50	106	
Acenaphthene	ND	59	50	118	
Biphenyl	ND	ND			
Fluorene	ND	61	50	122	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	27	50	54	
Phenanthrene	0.43 J	67	50	133	
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	0.19 J	69	50	138	
Pyrene	0.15 J	67	50	134	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	62	50	124	
Chrysene	ND	59	50	118	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	67	50	134	
Benzo[k]fluoranthene	ND	62	50	124	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	51	50	102	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	66	50	132	
Dibenzo[a,h]anthracene	ND	65	50	130	
Benzo[g,h,i]perylene	ND	63	50	126	
Total PAH	1.8	950			
d8-Naphthalene	82	74			
d10-Acenaphthene	75	71			
d10-Phenanthrene	79	71			
d12-Benzo[a]pyrene	56	51			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BV-S-97PB	BV-S-98BS			
SDG	SDGS004	SDGS004			
File	DY0627.D	DY0628.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	10/6/1998	10/6/1998			
Min Reporting Limit	0.5	0.5			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	0.56	42	40	104	
C1-Naphthalenes	0.63	0.53 B			
C2-Naphthalenes	ND	ND			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	32	40	80	
Acenaphthene	ND	44	40	110	
Biphenyl	0.12 J	0.13 JB			
Fluorene	0.12 J	45	40	112	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	25	40	63	
Phenanthrene	0.4 J	44	40	109	
C1-Phenanthrenes/anthracenes	ND	ND			
C2-Phenanthrenes/anthracenes	ND	ND			
C3-Phenanthrenes/anthracenes	ND	ND			
C4-Phenanthrenes/anthracenes	ND	ND			
Dibenzothiophene	ND	0.34 J			
C1-Dibenzothiophenes	ND	ND			
C2-Dibenzothiophenes	ND	ND			
C3-Dibenzothiophenes	ND	ND			
Fluoranthene	0.081 J	48	40	120	
Pyrene	0.094 J	46	40	115	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	45	40	113	
Chrysene	ND	41	40	103	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	49	40	123	
Benzo[k]fluoranthene	ND	47	40	118	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	28	40	70	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	46	40	115	
Dibenzo[a,h]anthracene	ND	46	40	115	
Benzo[g,h,i]perylene	ND	44	40	110	
Total PAH	2	670			
d8-Naphthalene	72	84			
d10-Acenaphthene	71	79			
d10-Phenanthrene	76	79			
d12-Benzo[a]pyrene	45	43 &			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BW-S-23PB	BW-S-24BS			
SDG	SDGS005	SDGS005			
File	DY6098.D	DY6099.D			
Sample Type	PB	BS			
Matrix	Sediment	Sediment			
Sample Size	30 g	30 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	10/10/1998	10/10/1998			
Min Reporting Limit	0.42	0.42			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	0.52	30	33	89	
C1-Naphthalenes	0.47	0.58			
C2-Naphthalenes	ND	1.6			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	25	33	76	
Acenaphthene	ND	35	33	106	
Biphenyl	0.17 J	0.13 J			
Fluorene	ND	34	33	103	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	25	33	76	
Phenanthrene	0.38 J	35	33	105	
C1-Phenanthrenes/anthracenes	0.26 J	0.54			
C2-Phenanthrenes/anthracenes	ND	ND			
C3-Phenanthrenes/anthracenes	ND	ND			
C4-Phenanthrenes/anthracenes	ND	ND			
Dibenzothiophene	0.1 J	0.33 J			
C1-Dibenzothiophenes	ND	ND			
C2-Dibenzothiophenes	ND	ND			
C3-Dibenzothiophenes	ND	ND			
Fluoranthene	0.11 J	36	33	109	
Pyrene	0.078 J	35	33	106	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	36	33	109	
Chrysene	ND	34	33	103	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	37	33	112	
Benzo[k]fluoranthene	ND	38	33	115	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	24	33	73	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	35	33	106	
Dibenzo[a,h]anthracene	ND	36	33	109	
Benzo[g,h,i]perylene	0.051 J	33	33	100	
Total PAH	2.1	530			
d8-Naphthalene	71	76			
d10-Acenaphthene	71	74			
d10-Phenanthrene	75	76			
d12-Benzo[a]pyrene	42 &	46			

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Field ID	Procedural Blank	Blank Spike				
Lab ID	BW-S-41PB	BW-S-42BS				
SDG	SDGS006	SDGS006				
File	DY0699.D	DY0700.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	10/18/1998	10/18/1998				
Min Reporting Limit	0.5	1				
Units	ug/Kg	ug/Kg	T	%R	Q	
PAH						
Naphthalene	0.73	38	40	93		
C1-Naphthalenes	0.72	0.65 J				
C2-Naphthalenes	ND	ND				
C3-Naphthalenes	ND	ND				
C4-Naphthalenes	ND	ND				
Acenaphthylene	ND	11	40	28		&
Acenaphthene	ND	38	40	95		
Biphenyl	ND	ND				
Fluorene	ND	37	40	93		
C1-Fluorenes	ND	ND				
C2-Fluorenes	ND	ND				
C3-Fluorenes	ND	ND				
Anthracene	ND	14	40	35		&
Phenanthrene	0.38 J	38	40	94		
C1-Phenanthrenes/anthracenes	ND	ND				
C2-Phenanthrenes/anthracenes	ND	ND				
C3-Phenanthrenes/anthracenes	ND	ND				
C4-Phenanthrenes/anthracenes	ND	ND				
Dibenzothiophene	ND	0.38 J				
C1-Dibenzothiophenes	ND	ND				
C2-Dibenzothiophenes	ND	ND				
C3-Dibenzothiophenes	ND	ND				
Fluoranthene	0.13 J	41	40	102		
Pyrene	0.065 J	38	40	95		
C1-Fluoranthenes/pyrenes	ND	ND				
C2-Fluoranthenes/pyrenes	ND	ND				
C3-Fluoranthenes/pyrenes	ND	ND				
Benzo[a]anthracene	ND	34	40	85		
Chrysene	ND	37	40	93		
C1-Chrysenes	ND	ND				
C2-Chrysenes	ND	ND				
C3-Chrysenes	ND	ND				
C4-Chrysenes	ND	ND				
Benzo[b]fluoranthene	ND	46	40	115		
Benzo[k]fluoranthene	ND	43	40	108		
Benzo[e]pyrene	ND	ND				
Benzo[a]pyrene	ND	12	40	30		&
Perylene	ND	ND				
Indeno[1,2,3,-c,d]pyrene	ND	41	40	103		
Dibenzo[a,h]anthracene	ND	45	40	113		
Benzo[g,h,i]perylene	ND	42	40	105		
Total PAH	2	560				
d8-Naphthalene	61	95				
d10-Acenaphthene	57	93				
d10-Phenanthrene	67	92				
d12-Benzo[a]pyrene	18 &	23 &				

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BX-S-18PB	BX-S-19BS			
SDG	SDGW001	SDGW001			
File	DY0855.D	DY0856.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	10/27/1998	10/27/1998			
Min Reporting Limit	50	50			
Units	ng/L	ng/L	T	%R	Q
PAH					
Naphthalene	10 J	1700	2000	85	
C1-Naphthalenes	ND	ND			
C2-Naphthalenes	ND	ND			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	1800	2000	90	
Acenaphthene	ND	1800	2000	90	
Biphenyl	ND	ND			
Fluorene	ND	1900	2000	95	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	1400	2000	70	
Phenanthrene	ND	1800	2000	90	
C1-Phenanthrenes/anthracenes	ND	ND			
C2-Phenanthrenes/anthracenes	ND	ND			
C3-Phenanthrenes/anthracenes	ND	ND			
C4-Phenanthrenes/anthracenes	ND	ND			
Dibenzothiophene	6.8 J	16 J			
C1-Dibenzothiophenes	ND	ND			
C2-Dibenzothiophenes	ND	ND			
C3-Dibenzothiophenes	ND	ND			
Fluoranthene	ND	1900	2000	95	
Pyrene	ND	1800	2000	90	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	1800	2000	90	
Chrysene	ND	1700	2000	85	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	2600	2000	130	
Benzo[k]fluoranthene	ND	2600	2000	130	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	2000	2000	100	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	2400	2000	120	
Dibenzo[a,h]anthracene	ND	2500	2000	125	
Benzo[g,h,i]perylene	ND	2400	2000	120	
Total PAH	17	32000			
d8-Naphthalene	93	94			
d10-Acenaphthene	90	96			
d10-Phenanthrene	103	103			
d12-Benzo[a]pyrene	72	75			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	BX-S-29PB	BX-S-30BS			
SDG	SDGO001	SDGO001			
File	DX1394.D	DX1395.D			
Sample Type	PB	BS			
Matrix	Coal	Coal			
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	4/22/1999	4/22/1999			
Min Reporting Limit	5	5			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	6.8	160	200	77	
C1-Naphthalenes	1.9 J	2 JB			
C2-Naphthalenes	ND	ND			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	71	200	36	
Acenaphthene	ND	170	200	85	
Biphenyl	0.58 J	ND			
Fluorene	0.64 J	200	200	100	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	78	200	39	
Phenanthrene	2.4 J	180	200	89	
C1-Phenanthrenes/anthracenes	1.2 J	1.1 JB			
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	0.56 J	210	200	105	
Pyrene	0.42 J	210	200	105	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	170	200	85	
Chrysene	ND	190	200	95	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	206	200	103	
Benzo[k]fluoranthene	ND	177	200	89	
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	90	200	45	&
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	ND	154	200	77	
Dibenzo[a,h]anthracene	ND	154	200	77	
Benzo[g,h,i]perylene	1.6 J	166	200	82	
Total PAH	16	2600			
d8-Naphthalene	86	54			
d10-Acenaphthene	87	69			
d10-Phenanthrene	93	83			
d12-Benzo[a]pyrene	52	33 &			

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

Field ID	Procedural Blank	Blank Spike				
Lab ID	BW-S-74PB	BW-S-75BS				
SDG	SDGT001	SDGT001				
File	DZ7060.D	DZ7061.D				
Sample Type	PB	BS				
Matrix	TISSUE	TISSUE				
Sample Size	5 g	5 g				
Weight Basis	DRY	DRY				
Associated Blank	NA	BW-S-74PB				
Field Date	NA	NA				
Extract Date	10/9/1998	10/9/1998				
Analysis Date	11/18/1998	11/18/1998				
Min Reporting Limit	5	5				
Units	ug/Kg	ug/Kg	T	%R	Q	
PAH						
Naphthalene	10	190	200	90		
C1-Naphthalenes	4.8 J	5.7				
C2-Naphthalenes	ND	4 J				
C3-Naphthalenes	ND	ND				
C4-Naphthalenes	ND	ND				
Acenaphthylene	ND	170	200	85		
Acenaphthene	ND	180	200	90		
Biphenyl	ND	1.5 J				
Fluorene	ND	200	200	100		
C1-Fluorenes	ND	ND				
C2-Fluorenes	ND	ND				
C3-Fluorenes	ND	ND				
Anthracene	ND	120	200	60		
Phenanthrene	2.2 J	180	200	89		
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	1.4 J	240	200	119		
Pyrene	0.7 J	230	200	115		
C1-Fluoranthenes/pyrenes	ND	ND				
C2-Fluoranthenes/pyrenes	ND	ND				
C3-Fluoranthenes/pyrenes	ND	ND				
Benzo[a]anthracene	ND	250	200	125		
Chrysene	ND	230	200	115		
C1-Chrysenes	ND	ND				
C2-Chrysenes	ND	ND				
C3-Chrysenes	ND	ND				
C4-Chrysenes	ND	ND				
Benzo[b]fluoranthene	ND	570	200	285	&	
Benzo[k]fluoranthene	ND	500	200	250	&	
Benzo[e]pyrene	ND	ND				
Benzo[a]pyrene	ND	220	200	110		
Perylene	ND	ND				
Indeno[1,2,3,-c,d]pyrene	ND	530	200	265	&	
Dibenzo[a,h]anthracene	ND	500	200	250	&	
Benzo[g,h,i]perylene	14	480	200	233	&	
Total PAH	33	4800				
d8-Naphthalene	45	49				
d10-Acenaphthene	48	53				
d10-Phenanthrene	59	66				
d12-Benzo[a]pyrene	25 &	33 &				

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Field ID	Procedural Blank	Blank Spike				
Lab ID	BW-S-81PB	BW-S-82BS				
SDG	SDGT002	SDGT002				
File	DY1242.D	DY1243.D				
Sample Type	PB	BS				
Matrix	TISSUE	TISSUE				
Sample Size	5 g	5 g				
Weight Basis	DRY	DRY				
Associated Blank	NA	BW-S-81PB				
Field Date	NA	NA				
Extract Date	10/13/1998	10/13/1998				
Analysis Date	11/23/1998	11/24/1998				
Min Reporting Limit	5	5				
Units	ug/Kg	ug/Kg	T	%R	Q	
PAH						
Naphthalene	6.9	220	200	107		
C1-Naphthalenes	4.6 J	5.5 B				
C2-Naphthalenes	ND	ND				
C3-Naphthalenes	ND	ND				
C4-Naphthalenes	ND	ND				
Acenaphthylene	ND	200	200	100		
Acenaphthene	ND	180	200	90		
Biphenyl	0.96 J	1.5 JB				
Fluorene	1.9 J	250	200	124		
C1-Fluorenes	ND	ND				
C2-Fluorenes	ND	ND				
C3-Fluorenes	ND	ND				
Anthracene	ND	1.8 J	200	1	&	
Phenanthrene	4.7 J	220	200	108		
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	1.5 J	290	200	144		
Pyrene	0.77 J	42	200	21	&	
C1-Fluoranthenes/pyrenes	ND	ND				
C2-Fluoranthenes/pyrenes	ND	ND				
C3-Fluoranthenes/pyrenes	ND	ND				
Benzo[a]anthracene	ND	42	200	21	&	
Chrysene	ND	220	200	110		
C1-Chrysenes	ND	ND				
C2-Chrysenes	ND	ND				
C3-Chrysenes	ND	ND				
C4-Chrysenes	ND	ND				
Benzo[b]fluoranthene	ND	17	200	9	&	
Benzo[k]fluoranthene	ND	14	200	7	&	
Benzo[e]pyrene	ND	ND				
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	15	ND				
Total PAH	36	1700				
d8-Naphthalene	41	28	&			
d10-Acenaphthene	44	35	&			
d10-Phenanthrene	53	46				
d12-Benzo[a]pyrene	30	0	&			

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Field ID	Procedural Blank	Blank Spike			
Lab ID	CJ-S-04PB	CJ-S-05BS			
SDG	SDGT003	SDGT003			
File	DX1781.D	DX1782.D			
Sample Type	PB	BS			
Matrix	TISSUE	TISSUE			
Sample Size	2.5 g	2.5 g			
Weight Basis	DRY	DRY			
Associated Blank	NA	CJ-S-04PB			
Field Date	NA	NA			
Extract Date	4/30/1999	4/30/1999			
Analysis Date	5/13/1999	5/13/1999			
Min Reporting Limit	10	10			
Units	ug/Kg	ug/Kg	T	%R	Q
PAH					
Naphthalene	2.8 J	400	400	99	
C1-Naphthalenes	ND	ND			
C2-Naphthalenes	ND	ND			
C3-Naphthalenes	ND	ND			
C4-Naphthalenes	ND	ND			
Acenaphthylene	ND	470	400	118	
Acenaphthene	ND	420	400	105	
Biphenyl	ND	0.9 J			
Fluorene	0.45 J	440	400	110	
C1-Fluorenes	ND	ND			
C2-Fluorenes	ND	ND			
C3-Fluorenes	ND	ND			
Anthracene	ND	230	400	58	
Phenanthrene	2.4 J	420	400	104	
C1-Phenanthrenes/anthracenes	ND	2.7 J			
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	1.4 J	470	400	117	
Pyrene	0.94 J	460	400	115	
C1-Fluoranthenes/pyrenes	ND	ND			
C2-Fluoranthenes/pyrenes	ND	ND			
C3-Fluoranthenes/pyrenes	ND	ND			
Benzo[a]anthracene	ND	540	400	135	
Chrysene	ND	430	400	108	
C1-Chrysenes	ND	ND			
C2-Chrysenes	ND	ND			
C3-Chrysenes	ND	ND			
C4-Chrysenes	ND	ND			
Benzo[b]fluoranthene	ND	590	400	148	
Benzo[k]fluoranthene	ND	610	400	153	&
Benzo[e]pyrene	ND	ND			
Benzo[a]pyrene	ND	460	400	115	
Perylene	ND	ND			
Indeno[1,2,3,-c,d]pyrene	1.7 J	740	400	185	&
Dibenzo[a,h]anthracene	ND	670	400	168	&
Benzo[g,h,i]perylene	13	580	400	142	
Total PAH	23	7900			
d8-Naphthalene	68	69			
d10-Acenaphthene	68	66			
d10-Phenanthrene	79	78			
d12-Benzo[a]pyrene	66	66			