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PRINCE WILLIAM SOUND RCAC

LONG-TERM ENVIRONMENTAL MONITORING PROGRAM

2000 - 2002 LTEMP MONITORING REPORT

Presented to:

Regional Citizens' Advisory Council
Scientific Advisory Committee
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GERG TEXAS A&M UNIVERSITY
The Geochemical and Environmental Research Group

April 15, 2003

APPENDIX B

Sediment Results

1.0 Sample Collection and Processing Information

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	12:47	**AMT-S**	**17**	**1**		***Extraction Date***	10/3/2000
Sample Depth (m)	-67.4					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0010			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36257			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:15	**AMT-S**	**17**	**2**		***Extraction Date***	10/3/2000
Sample Depth (m)	-67.0					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0011			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36258			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:42	**AMT-S**	**17**	**3**		***Extraction Date***	10/3/2000
Sample Depth (m)	-63.7					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0012			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36259			***Batch ID***	M3029

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:19	**GOC-S**	**17**	**1**		***Extraction Date***	10/3/2000
Sample Depth (m)	-30.0					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0007			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36254			***Batch ID***	M3029

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:35	**GOC-S**	**17**	**2**		***Extraction Date***	10/3/2000
Sample Depth (m)	-29.0					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0008			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36255			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	0:01	**GOC-S**	**17**	**3**		***Extraction Date***	10/3/2000
Sample Depth (m)	-27.7					***Analysis Date***	11/5/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0009			***Report Date***	4/19/2001
Analysis Type	PAH	***GERG Labsamp ID***	C36256			***Batch ID***	M3029

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:24	**AMT-S**	**19**	**1**		***Extraction Date***	5/30/2001
Sample Depth (m)	-68.0					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0001			***Report Date***	6/14/2001
Analysis Type	PAH	***GERG Labsamp ID***	C38069			***Batch ID***	M3076

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:43	**AMT-S**	**19**	**2**		***Extraction Date***	5/30/2001
Sample Depth (m)	-67.8					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0002			***Report Date***	6/14/2001
Analysis Type	PAH	***GERG Labsamp ID***	C38070			***Batch ID***	M3076

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	13:05	**AMT-S**	**19**	**3**		***Extraction Date***	5/30/2001
Sample Depth (m)	-66.6					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0003			***Report Date***	6/14/2001
Analysis Type	PAH	***GERG Labsamp ID***	C38071			***Batch ID***	M3076

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	16:24	GOC-S	19	1	*Extraction Date*	5/30/2001
Sample Depth (m)	-23.9				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0004		*Report Date*	6/14/2001
Analysis Type	PAH	*GERG Labsamp ID*	C38072		*Batch ID*	M3076

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:10	GOC-S	19	2	*Extraction Date*	5/30/2001
Sample Depth (m)	-29.3				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0005		*Report Date*	6/14/2001
Analysis Type	PAH	*GERG Labsamp ID*	C38073		*Batch ID*	M3076

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:24	GOC-S	19	3	*Extraction Date*	5/30/2001
Sample Depth (m)	-20.4				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0006		*Report Date*	6/14/2001
Analysis Type	PAH	*GERG Labsamp ID*	C38074		*Batch ID*	M3076

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	7:53	AMT-S	20	1	*Extraction Date*	8/7/2001
Sample Depth (m)	-68.5				*Analysis Date*	8/23/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0010		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39508		*Batch ID*	M3105

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	8:13	AMT-S	20	2	*Extraction Date*	8/7/2001
Sample Depth (m)	-63.7				*Analysis Date*	8/23/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0011		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39509		*Batch ID*	M3105

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	8:28	AMT-S	20	3	*Extraction Date*	8/7/2001
Sample Depth (m)	-70.9				*Analysis Date*	8/23/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0012		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39510		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	17:18	GOC-S	20	1	*Extraction Date*	8/7/2001
Sample Depth (m)	-27.5				*Analysis Date*	8/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0007		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39505		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	17:35	GOC-S	20	2	*Extraction Date*	8/7/2001
Sample Depth (m)	-24.7				*Analysis Date*	8/23/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0008		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39506		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	18:10	GOC-S	20	3	*Extraction Date*	8/7/2001
Sample Depth (m)	-22.3				*Analysis Date*	8/23/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0009		*Report Date*	11/8/2001
Analysis Type	PAH	*GERG Labsamp ID*	C39507		*Batch ID*	M3105

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	10:41	**AMT-S**	**22**	**1**		***Extraction Date***	4/4/2002
Sample Depth (m)	-69.2					***Analysis Date***	4/23/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0004			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41082			***Batch ID***	M3206

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	11:28	**AMT-S**	**22**	**2**		***Extraction Date***	4/4/2002
Sample Depth (m)	-65.6					***Analysis Date***	4/23/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0005			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41083			***Batch ID***	M3206

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	12:01	**AMT-S**	**22**	**3**		***Extraction Date***	4/4/2002
Sample Depth (m)	-64.2					***Analysis Date***	4/23/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0006			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41084			***Batch ID***	M3206

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:35	**GOC-S**	**22**	**1**		***Extraction Date***	4/4/2002
Sample Depth (m)	-27.5					***Analysis Date***	4/22/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0002			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41080			***Batch ID***	M3206

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:53	**GOC-S**	**22**	**2**		***Extraction Date***	4/4/2002
Sample Depth (m)	-25.4					***Analysis Date***	4/23/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0003			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41081			***Batch ID***	M3206

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	14:24	**GOC-S**	**22**	**3**		***Extraction Date***	4/4/2002
Sample Depth (m)	-25.4					***Analysis Date***	4/23/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0007			***Report Date***	9/9/2002
Analysis Type	PAH	***GERG Labsamp ID***	C41085			***Batch ID***	M3206

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	12:47	**AMT-S**	**17**	**1**		***Extraction Date***	10/3/2000
Sample Depth (m)	-67.4					***Analysis Date***	11/9/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0010			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36257			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:15	**AMT-S**	**17**	**2**		***Extraction Date***	10/3/2000
Sample Depth (m)	-67.0					***Analysis Date***	11/9/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0011			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36258			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:42	**AMT-S**	**17**	**3**		***Extraction Date***	10/3/2000
Sample Depth (m)	-63.7					***Analysis Date***	11/9/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0012			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36259			***Batch ID***	M3029

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:19	**GOC-S**	**17**	**1**		***Extraction Date***	10/3/2000
Sample Depth (m)	-30.0					***Analysis Date***	11/8/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0007			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36254			***Batch ID***	M3029

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:35	**GOC-S**	**17**	**2**		***Extraction Date***	10/3/2000
Sample Depth (m)	-29.0					***Analysis Date***	11/9/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0008			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36255			***Batch ID***	M3029

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	0:01	**GOC-S**	**17**	**3**		***Extraction Date***	10/3/2000
Sample Depth (m)	-27.7					***Analysis Date***	11/9/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0009			***Report Date***	4/19/2001
Analysis Type	AHC	***GERG Labsamp ID***	C36256			***Batch ID***	M3029

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:24	**AMT-S**	**19**	**1**		***Extraction Date***	5/30/2001
Sample Depth (m)	-68.0					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0001			***Report Date***	6/14/2001
Analysis Type	AHC	***GERG Labsamp ID***	C38069			***Batch ID***	M3076

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:43	**AMT-S**	**19**	**2**		***Extraction Date***	5/30/2001
Sample Depth (m)	-67.8					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0002			***Report Date***	6/14/2001
Analysis Type	AHC	***GERG Labsamp ID***	C38070			***Batch ID***	M3076

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	13:05	**AMT-S**	**19**	**3**		***Extraction Date***	5/30/2001
Sample Depth (m)	-66.6					***Analysis Date***	6/6/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0003			***Report Date***	6/14/2001
Analysis Type	AHC	***GERG Labsamp ID***	C38071			***Batch ID***	M3076

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	16:24	GOC-S	19	1	*Extraction Date*	5/30/2001
Sample Depth (m)	-23.9				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0004		*Report Date*	6/14/2001
Analysis Type	AHC	*GERG Labsamp ID*	C38072		*Batch ID*	M3076

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:10	GOC-S	19	2	*Extraction Date*	5/30/2001
Sample Depth (m)	-29.3				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0005		*Report Date*	6/14/2001
Analysis Type	AHC	*GERG Labsamp ID*	C38073		*Batch ID*	M3076

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:24	GOC-S	19	3	*Extraction Date*	5/30/2001
Sample Depth (m)	-20.4				*Analysis Date*	6/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0006		*Report Date*	6/14/2001
Analysis Type	AHC	*GERG Labsamp ID*	C38074		*Batch ID*	M3076

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	7:53	AMT-S	20	1	*Extraction Date*	8/7/2001
Sample Depth (m)	-68.5				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0010		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39508		*Batch ID*	M3105

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	8:13	AMT-S	20	2	*Extraction Date*	8/7/2001
Sample Depth (m)	-63.7				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0011		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39509		*Batch ID*	M3105

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	8:28	AMT-S	20	3	*Extraction Date*	8/7/2001
Sample Depth (m)	-70.9				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0012		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39510		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	17:18	GOC-S	20	1	*Extraction Date*	8/7/2001
Sample Depth (m)	-27.5				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0007		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39505		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	17:35	GOC-S	20	2	*Extraction Date*	8/7/2001
Sample Depth (m)	-24.7				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0008		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39506		*Batch ID*	M3105

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/1/2001
Collection Time	18:10	GOC-S	20	3	*Extraction Date*	8/7/2001
Sample Depth (m)	-22.3				*Analysis Date*	8/17/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0009		*Report Date*	11/8/2001
Analysis Type	AHC	*GERG Labsamp ID*	C39507		*Batch ID*	M3105

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	10:41	**AMT-S**	**22**	**1**		***Extraction Date***	6/11/2002
Sample Depth (m)	-69.2					***Analysis Date***	6/15/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0004			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41082			***Batch ID***	M3223

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	11:28	**AMT-S**	**22**	**2**		***Extraction Date***	6/11/2002
Sample Depth (m)	-65.6					***Analysis Date***	6/15/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0005			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41083			***Batch ID***	M3223

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	12:01	**AMT-S**	**22**	**3**		***Extraction Date***	6/11/2002
Sample Depth (m)	-64.2					***Analysis Date***	6/15/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0006			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41084			***Batch ID***	M3223

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:35	**GOC-S**	**22**	**1**		***Extraction Date***	6/11/2002
Sample Depth (m)	-27.5					***Analysis Date***	6/14/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0002			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41080			***Batch ID***	M3223

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:53	**GOC-S**	**22**	**2**		***Extraction Date***	6/11/2002
Sample Depth (m)	-25.4					***Analysis Date***	6/14/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0003			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41081			***Batch ID***	M3223

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	14:24	**GOC-S**	**22**	**3**		***Extraction Date***	6/11/2002
Sample Depth (m)	-25.4					***Analysis Date***	6/15/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0007			***Report Date***	9/9/2002
Analysis Type	AHC	***GERG Labsamp ID***	C41085			***Batch ID***	M3223

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	12:47	**AMT-S**	**17**	**1**		***Extraction Date***	Not Applicable
Sample Depth (m)	-67.4					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0010			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36257			***Batch ID***	9/6/00

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:15	**AMT-S**	**17**	**2**		***Extraction Date***	Not Applicable
Sample Depth (m)	-67.0					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0011			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36258			***Batch ID***	9/6/00

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	13:42	**AMT-S**	**17**	**3**		***Extraction Date***	Not Applicable
Sample Depth (m)	-63.7					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0012			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36259			***Batch ID***	9/6/00

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:19	**GOC-S**	**17**	**1**		***Extraction Date***	Not Applicable
Sample Depth (m)	-30.0					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0007			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36254			***Batch ID***	9/6/00

Collection Date	7/20/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	22:35	**GOC-S**	**17**	**2**		***Extraction Date***	Not Applicable
Sample Depth (m)	-29.0					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0008			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36255			***Batch ID***	9/6/00

Collection Date	7/21/2000	***Station***	***Survey***	***Replicate***		***Receipt Date***	8/9/2000
Collection Time	0:01	**GOC-S**	**17**	**3**		***Extraction Date***	Not Applicable
Sample Depth (m)	-27.7					***Analysis Date***	9/6/2000
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS00PAT0009			***Report Date***	4/19/2001
Analysis Type	TOC	***GERG Labsamp ID***	C36256			***Batch ID***	9/6/00

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:24	**AMT-S**	**19**	**1**		***Extraction Date***	Not Applicable
Sample Depth (m)	-68.0					***Analysis Date***	6/7/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0001			***Report Date***	6/14/2001
Analysis Type	TOC	***GERG Labsamp ID***	C38069			***Batch ID***	6/7/01

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	12:43	**AMT-S**	**19**	**2**		***Extraction Date***	Not Applicable
Sample Depth (m)	-67.8					***Analysis Date***	6/7/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0002			***Report Date***	6/14/2001
Analysis Type	TOC	***GERG Labsamp ID***	C38070			***Batch ID***	6/7/01

Collection Date	3/28/2001	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/17/2001
Collection Time	13:05	**AMT-S**	**19**	**3**		***Extraction Date***	Not Applicable
Sample Depth (m)	-66.6					***Analysis Date***	6/7/2001
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS01PAT0003			***Report Date***	6/14/2001
Analysis Type	TOC	***GERG Labsamp ID***	C38071			***Batch ID***	6/7/01

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	16:24	GOC-S	19	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-23.9				*Analysis Date*	6/7/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0004		*Report Date*	6/14/2001
Analysis Type	TOC	*GERG Labsamp ID*	C38072		*Batch ID*	6/7/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:10	GOC-S	19	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-29.3				*Analysis Date*	6/7/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0005		*Report Date*	6/14/2001
Analysis Type	TOC	*GERG Labsamp ID*	C38073		*Batch ID*	6/7/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:24	GOC-S	19	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-20.4				*Analysis Date*	6/7/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0006		*Report Date*	6/14/2001
Analysis Type	TOC	*GERG Labsamp ID*	C38074		*Batch ID*	6/7/01

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/22/2001
Collection Time	7:53	AMT-S	20	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-68.5				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0010		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39508		*Batch ID*	TOC343

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/22/2001
Collection Time	8:13	AMT-S	20	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-63.7				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0011		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39509		*Batch ID*	TOC343

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/22/2001
Collection Time	8:28	AMT-S	20	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-70.9				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0012		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39510		*Batch ID*	TOC343

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/21/2001
Collection Time	17:18	GOC-S	20	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-27.5				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0007		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39505		*Batch ID*	TOC343

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/21/2001
Collection Time	17:35	GOC-S	20	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-24.7				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0008		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39506		*Batch ID*	TOC343

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/21/2001
Collection Time	18:10	GOC-S	20	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-22.3				*Analysis Date*	9/6/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PAT0009		*Report Date*	11/8/2001
Analysis Type	TOC	*GERG Labsamp ID*	C39507		*Batch ID*	TOC343

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	10:41	**AMT-S**	**22**	**1**		***Extraction Date***	Not Applicable
Sample Depth (m)	-69.2					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0004			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41082			***Batch ID***	TOC373

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	11:28	**AMT-S**	**22**	**2**		***Extraction Date***	Not Applicable
Sample Depth (m)	-65.6					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0005			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41083			***Batch ID***	TOC373

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	12:01	**AMT-S**	**22**	**3**		***Extraction Date***	Not Applicable
Sample Depth (m)	-64.2					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0006			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41084			***Batch ID***	TOC373

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:35	**GOC-S**	**22**	**1**		***Extraction Date***	Not Applicable
Sample Depth (m)	-27.5					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0002			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41080			***Batch ID***	TOC373

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	13:53	**GOC-S**	**22**	**2**		***Extraction Date***	Not Applicable
Sample Depth (m)	-25.4					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0003			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41081			***Batch ID***	TOC373

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***		***Receipt Date***	4/3/2002
Collection Time	14:24	**GOC-S**	**22**	**3**		***Extraction Date***	Not Applicable
Sample Depth (m)	-25.4					***Analysis Date***	5/6/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PAT0007			***Report Date***	9/9/2002
Analysis Type	TOC	***GERG Labsamp ID***	C41085			***Batch ID***	TOC373

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	7/21/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	12:47	AMT-S	17	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-67.4				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0010		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36263		*Batch ID*	9/10/00

Collection Date	7/21/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	13:15	AMT-S	17	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-67.0				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0011		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36264		*Batch ID*	9/10/00

Collection Date	7/21/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	13:42	AMT-S	17	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-63.7				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0012		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36265		*Batch ID*	9/10/00

Collection Date	7/20/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	22:19	GOC-S	17	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-30.0				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0007		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36260		*Batch ID*	9/10/00

Collection Date	7/20/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	22:35	GOC-S	17	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-29.0				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0008		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36261		*Batch ID*	9/10/00

Collection Date	7/21/2000	*Station*	*Survey*	*Replicate*	*Receipt Date*	8/9/2000
Collection Time	0:01	GOC-S	17	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-27.7				*Analysis Date*	9/10/2000
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS00PGS0009		*Report Date*	4/19/2001
Analysis Type	PGS	*GERG Labsamp ID*	C36262		*Batch ID*	9/10/00

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	12:24	AMT-S	19	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-68.0				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0001		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38033		*Batch ID*	5/22/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	12:43	AMT-S	19	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-67.8				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0002		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38034		*Batch ID*	5/22/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	13:05	AMT-S	19	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-66.6				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0003		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38035		*Batch ID*	5/22/01

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	16:24	GOC-S	19	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-23.9				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0004		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38036		*Batch ID*	5/22/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:10	GOC-S	19	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-29.3				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0005		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38037		*Batch ID*	5/22/01

Collection Date	3/28/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	4/17/2001
Collection Time	17:24	GOC-S	19	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-20.4				*Analysis Date*	5/22/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0006		*Report Date*	6/14/2001
Analysis Type	PGS	*GERG Labsamp ID*	C38038		*Batch ID*	5/22/01

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	7:53	AMT-S	20	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-68.5				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0010		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39447		*Batch ID*	9/11/2001

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	8:13	AMT-S	20	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-63.7				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0011		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39448		*Batch ID*	9/11/2001

Collection Date	7/22/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	8:28	AMT-S	20	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-70.9				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0012		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39449		*Batch ID*	9/11/2001

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	17:18	GOC-S	20	1	*Extraction Date*	Not Applicable
Sample Depth (m)	-27.5				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0007		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39444		*Batch ID*	9/11/2001

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	17:35	GOC-S	20	2	*Extraction Date*	Not Applicable
Sample Depth (m)	-24.7				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0008		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39445		*Batch ID*	9/11/2001

Collection Date	7/21/2001	*Station*	*Survey*	*Replicate*	*Receipt Date*	7/24/2001
Collection Time	18:10	GOC-S	20	3	*Extraction Date*	Not Applicable
Sample Depth (m)	-22.3				*Analysis Date*	9/11/2001
Matrix	SEDIMENT	*KLI SAMP_ID*	PWS01PGS0009		*Report Date*	11/8/2001
Analysis Type	PGS	*GERG Labsamp ID*	C39446		*Batch ID*	9/11/2001

Sample Collection and Processing Information for LTEMP Sediment Samples

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	10:41	**AMT-S**	**22**	**1**	***Extraction Date***	Not Applicable
Sample Depth (m)	-69.2				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0004		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41088		***Batch ID***	4/24/2002

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	11:28	**AMT-S**	**22**	**2**	***Extraction Date***	Not Applicable
Sample Depth (m)	-65.6				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0005		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41089		***Batch ID***	4/24/2002

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	12:01	**AMT-S**	**22**	**3**	***Extraction Date***	Not Applicable
Sample Depth (m)	-64.2				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0006		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41090		***Batch ID***	4/24/2002

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	13:35	**GOC-S**	**22**	**1**	***Extraction Date***	Not Applicable
Sample Depth (m)	-27.5				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0002		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41086		***Batch ID***	4/24/2002

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	13:53	**GOC-S**	**22**	**2**	***Extraction Date***	Not Applicable
Sample Depth (m)	-25.4				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0003		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41087		***Batch ID***	4/24/2002

Collection Date	3/15/2002	***Station***	***Survey***	***Replicate***	***Receipt Date***	4/3/2002
Collection Time	14:24	**GOC-S**	**22**	**3**	***Extraction Date***	Not Applicable
Sample Depth (m)	25.4				***Analysis Date***	4/24/2002
Matrix	SEDIMENT	***KLI SAMP_ID***	PWS02PGS0007		***Report Date***	9/9/2002
Analysis Type	PGS	***GERG Labsamp ID***	C41091		***Batch ID***	4/24/2002

APPENDIX B

Sediment Results

2.0 PAH and TOC Data

SURVEY 17 (JULY 2000)

Station	Survey	Replicate
AMT-S	17	1

KLI Sample ID	Lab Sample ID
PWS00PAT0010	C36257

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.82	WET
Dry Weight (g)	10.67	DRY
Solids (%)	51.2	DRY
TOC (%)	0.63	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.3	J
C1-Naphthalenes	6.6	
C2-Naphthalenes	7.5	
C3-Naphthalenes	6.2	
C4-Naphthalenes	5.3	
Biphenyl	1.9	
Acenaphthylene	1.4	
Acenaphthene	1	
Fluorene	4.5	
C1-Fluorenes	6.7	
C2-Fluorenes	10.8	
C3-Fluorenes	13.3	
Anthracene	4.3	
Phenanthrene	10.5	
C1-Phen/Anthracenes	8.8	
C2-Phen/Anthracenes	17.6	
C3-Phen/Anthracenes	21.2	
C4-Phen/Anthracenes	14.3	
Dibenzothiophene	1.6	
C1-Dibenzothiophenes	3.1	
C2-Dibenzothiophenes	11.7	
C3-Dibenzothiophenes	20.8	
Fluoranthene	8.5	
Pyrene	7.5	
C1-Fluoranthenes/Pyrenes	10.6	
Benzo(a)anthracene	7.9	
Chrysene	28.7	
C1-Chrysenes	40.3	
C2-Chrysenes	45.4	
C3-Chrysenes	11.5	
C4-Chrysenes	2.9	
Benzo(b)fluoranthene	8.9	
Benzo(k)fluoranthene	2.2	
Benzo(e)pyrene	17	
Benzo(a)pyrene	6.8	
Perylene	6.9	
Indeno(1,2,3-c,d)pyrene	2.4	
Dibenzo(a,h)anthracene	2	
Benzo(g,h,i)perylene	6.9	
TOTAL PAH (ng/g)	391.8	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.5	J
2-Methylnaphthalene	4.1	J
2,6-Dimethylnaphthalene	3.6	
1,6,7-Trimethylnaphthalene	2	
1-Methylphenanthrene	2.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	64.9	
Acenapthene-D10	84.1	
Phenanthrene-D10	88.8	
Chrysene-D12	91.7	
Perylene-D12	55.3	

Station	Survey	Replicate
AMT-S	17	2

KLI Sample ID	Lab Sample ID
PWS00PAT0011	C36258

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.59	WET
Dry Weight (g)	10.29	DRY
Solids (%)	50	DRY
TOC (%)	0.72	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.1	J
C1-Naphthalenes	5.8	
C2-Naphthalenes	6.9	
C3-Naphthalenes	6.6	
C4-Naphthalenes	6.5	
Biphenyl	1.5	
Acenaphthylene	1.1	
Acenaphthene	1.6	
Fluorene	4.9	
C1-Fluorenes	7.8	
C2-Fluorenes	10.9	
C3-Fluorenes	19.1	
Anthracene	3.4	
Phenanthrene	10.9	
C1-Phen/Anthracenes	10.5	
C2-Phen/Anthracenes	21.3	
C3-Phen/Anthracenes	25.8	
C4-Phen/Anthracenes	19.1	
Dibenzothiophene	1.9	
C1-Dibenzothiophenes	3.4	
C2-Dibenzothiophenes	13.8	
C3-Dibenzothiophenes	26.1	
Fluoranthene	9.9	
Pyrene	8.6	
C1-Fluoranthenes/Pyrenes	10.8	
Benzo(a)anthracene	5.2	
Chrysene	27	
C1-Chrysenes	46.7	
C2-Chrysenes	67.6	
C3-Chrysenes	12.3	
C4-Chrysenes	6.6	
Benzo(b)fluoranthene	9.2	
Benzo(k)fluoranthene	2.6	
Benzo(e)pyrene	16	
Benzo(a)pyrene	5.9	
Perylene	7.9	
Indeno(1,2,3-c,d)pyrene	2.8	
Dibenzo(a,h)anthracene	2.3	
Benzo(g,h,i)perylene	6.8	
TOTAL PAH (ng/g)	452	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.1	J
2-Methylnaphthalene	3.6	J
2,6-Dimethylnaphthalene	4.5	
1,6,7-Trimethylnaphthalene	2.4	
1-Methylphenanthrene	3.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	74.5	
Acenapthene-D10	89.9	
Phenanthrene-D10	99.2	
Chrysene-D12	101.6	
Perylene-D12	70.9	

Station	Survey	Replicate
AMT-S	17	3

KLI Sample ID	Lab Sample ID
PWS00PAT0012	C36259

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.56	WET
Dry Weight (g)	10.17	DRY
Solids (%)	49.5	DRY
TOC (%)	0.62	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	4.5	J
C1-Naphthalenes	9.6	
C2-Naphthalenes	8.1	
C3-Naphthalenes	6.1	
C4-Naphthalenes	4.1	
Biphenyl	2.3	
Acenaphthylene	3.4	
Acenaphthene	7	
Fluorene	12.3	
C1-Fluorenes	9.8	
C2-Fluorenes	12.2	
C3-Fluorenes	5.6	
Anthracene	15.7	
Phenanthrene	37.9	
C1-Phen/Anthracenes	12	
C2-Phen/Anthracenes	14.5	
C3-Phen/Anthracenes	15.6	
C4-Phen/Anthracenes	9.5	
Dibenzothiophene	3	
C1-Dibenzothiophenes	2.7	
C2-Dibenzothiophenes	9.6	
C3-Dibenzothiophenes	15.1	
Fluoranthene	37.1	
Pyrene	31.2	
C1-Fluoranthenes/Pyrenes	16.5	
Benzo(a)anthracene	22.7	
Chrysene	34.9	
C1-Chrysenes	38	
C2-Chrysenes	42	
C3-Chrysenes	8.9	
C4-Chrysenes	6.2	
Benzo(b)fluoranthene	28.8	
Benzo(k)fluoranthene	3.2	
Benzo(e)pyrene	24	
Benzo(a)pyrene	27.9	
Perylene	13.1	
Indeno(1,2,3-c,d)pyrene	12	
Dibenzo(a,h)anthracene	3.9	
Benzo(g,h,i)perylene	13.5	
TOTAL PAH (ng/g)	571.4	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	3.5	
2-Methylnaphthalene	6.1	J
2,6-Dimethylnaphthalene	3.5	
1,6,7-Trimethylnaphthalene	2.2	
1-Methylphenanthrene	4.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	62.3	
Acenapthene-D10	88.1	
Phenanthrene-D10	93.6	
Chrysene-D12	85.4	
Perylene-D12	54	

Station	Survey	Replicate
GOC-S	17	1

KLI Sample ID	Lab Sample ID
PWS00PAT0007	C36254

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.41	WET
Dry Weight (g)	11.88	DRY
Solids (%)	58.2	DRY
TOC (%)	0.48	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3	J
C1-Naphthalenes	5.2	
C2-Naphthalenes	4.3	
C3-Naphthalenes	3.8	
C4-Naphthalenes	2.1	
Biphenyl	1.2	J
Acenaphthylene	0.9	
Acenaphthene	1.1	
Fluorene	3.9	
C1-Fluorenes	4.1	
C2-Fluorenes	4.8	
C3-Fluorenes	2.7	
Anthracene	2.1	
Phenanthrene	11.4	
C1-Phen/Anthracenes	5.2	
C2-Phen/Anthracenes	3.7	
C3-Phen/Anthracenes	1.9	
C4-Phen/Anthracenes	1	J
Dibenzothiophene	1.4	
C1-Dibenzothiophenes	1.4	
C2-Dibenzothiophenes	1.7	
C3-Dibenzothiophenes	1.4	
Fluoranthene	10.6	
Pyrene	5.8	
C1-Fluoranthenes/Pyrenes	1.9	
Benzo(a)anthracene	2.6	
Chrysene	5	
C1-Chrysenes	2.5	
C2-Chrysenes	2.2	
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	2.1	
Benzo(k)fluoranthene	0.7	
Benzo(e)pyrene	1.5	
Benzo(a)pyrene	0.7	
Perylene	4	
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.6	J
TOTAL PAH (ng/g)	104.6	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.6	J
2-Methylnaphthalene	3.6	J
2,6-Dimethylnaphthalene	2.2	
1,6,7-Trimethylnaphthalene	1.5	
1-Methylphenanthrene	1.7	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	68.5	
Acenapthene-D10	83	
Phenanthrene-D10	84.7	
Chrysene-D12	45.9	
Perylene-D12	20.8	Q

Station	Survey	Replicate
GOC-S	17	2

KLI Sample ID	Lab Sample ID
PWS00PAT0008	C36255

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	21.08	WET
Dry Weight (g)	12.37	DRY
Solids (%)	58.7	DRY
TOC (%)	0.43	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	4.1	J
C1-Naphthalenes	6.4	
C2-Naphthalenes	5	
C3-Naphthalenes	4.2	
C4-Naphthalenes	2.9	
Biphenyl	1.3	
Acenaphthylene	1	
Acenaphthene	1.2	
Fluorene	4.7	
C1-Fluorenes	4.7	
C2-Fluorenes	5.8	
C3-Fluorenes	4.7	
Anthracene	2	
Phenanthrene	11.3	
C1-Phen/Anthracenes	5.5	
C2-Phen/Anthracenes	3.5	
C3-Phen/Anthracenes	1.8	
C4-Phen/Anthracenes	0.9	J
Dibenzothiophene	1.4	
C1-Dibenzothiophenes	1.5	
C2-Dibenzothiophenes	1.8	
C3-Dibenzothiophenes	1.4	
Fluoranthene	11.8	
Pyrene	6.5	
C1-Fluoranthenes/Pyrenes	2.2	
Benzo(a)anthracene	1.9	
Chrysene	3.3	
C1-Chrysenes	1.8	
C2-Chrysenes	1.9	
C3-Chrysenes	0	ND
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.5	
Benzo(k)fluoranthene	0.5	J
Benzo(e)pyrene	1.1	
Benzo(a)pyrene	0.6	J
Perylene	2.6	J
Indeno(1,2,3-c,d)pyrene	0.3	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.5	J
TOTAL PAH (ng/g)	110.6	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.1	J
2-Methylnaphthalene	4.2	J
2,6-Dimethylnaphthalene	2.2	
1,6,7-Trimethylnaphthalene	1.5	
1-Methylphenanthrene	1.7	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	44.3	
Acenapthene-D10	66.4	
Phenanthrene-D10	73.5	
Chrysene-D12	53.3	
Perylene-D12	35.2	Q

Station	Survey	Replicate
GOC-S	17	3

KLI Sample ID	Lab Sample ID
PWS00PAT0009	C36256

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.17	WET
Dry Weight (g)	12.16	DRY
Solids (%)	60.3	DRY
TOC (%)	0.51	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.9	J
C1-Naphthalenes	4.5	
C2-Naphthalenes	3.8	
C3-Naphthalenes	3.4	
C4-Naphthalenes	2	
Biphenyl	1.4	
Acenaphthylene	0.7	J
Acenaphthene	1.1	
Fluorene	3.9	
C1-Fluorenes	4.3	
C2-Fluorenes	4.4	
C3-Fluorenes	4.1	
Anthracene	1.8	
Phenanthrene	9.7	
C1-Phen/Anthracenes	5	
C2-Phen/Anthracenes	2.9	
C3-Phen/Anthracenes	2.1	
C4-Phen/Anthracenes	0.9	J
Dibenzothiophene	1.2	
C1-Dibenzothiophenes	1.2	
C2-Dibenzothiophenes	1.4	
C3-Dibenzothiophenes	1.1	
Fluoranthene	8.5	
Pyrene	4.3	
C1-Fluoranthenes/Pyrenes	1.7	
Benzo(a)anthracene	1.7	
Chrysene	3.5	
C1-Chrysenes	2.4	
C2-Chrysenes	2.6	
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.2	
Benzo(k)fluoranthene	0.5	J
Benzo(e)pyrene	0.9	
Benzo(a)pyrene	0.5	J
Perylene	2.4	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.4	J
TOTAL PAH (ng/g)	92.1	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.5	J
2-Methylnaphthalene	3	J
2,6-Dimethylnaphthalene	1.9	
1,6,7-Trimethylnaphthalene	1.4	
1-Methylphenanthrene	1.4	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	62.4	
Acenapthene-D10	76.8	
Phenanthrene-D10	87.2	
Chrysene-D12	40.7	
Perylene-D12	18.3	Q

SURVEY 19 (MARCH 2001)

Station	Survey	Replicate
AMT-S	19	1

KLI Sample ID	Lab Sample ID
PWS01PAT0001	C38069

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.09	WET
Dry Weight (g)	9.50	DRY
Solids (%)	47.3	DRY
TOC (%)	0.60	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	12.9	
C1-Naphthalenes	20.0	
C2-Naphthalenes	22.4	
C3-Naphthalenes	18.3	
C4-Naphthalenes	24.7	
Biphenyl	4.7	
Acenaphthylene	3.6	
Acenaphthene	1.3	J
Fluorene	8.1	
C1-Fluorenes	13.0	
C2-Fluorenes	26.2	
C3-Fluorenes	36.7	
Anthracene	9.3	
Phenanthrene	14.7	
C1-Phen/Anthracenes	17.4	
C2-Phen/Anthracenes	44.8	
C3-Phen/Anthracenes	57.6	
C4-Phen/Anthracenes	41.3	
Dibenzothiophene	2.4	
C1-Dibenzothiophenes	6.8	
C2-Dibenzothiophenes	30.7	
C3-Dibenzothiophenes	53.8	
Fluoranthene	16.8	
Pyrene	16.3	
C1-Fluoranthenes/Pyrenes	30.3	
Benzo(a)anthracene	9.6	
Chrysene	32.2	
C1-Chrysenes	58.1	
C2-Chrysenes	94.1	
C3-Chrysenes	15.4	
C4-Chrysenes	1.5	J
Benzo(b)fluoranthene	14.7	
Benzo(k)fluoranthene	2.8	
Benzo(e)pyrene	22.6	
Benzo(a)pyrene	13.0	
Perylene	9.4	
Indeno(1,2,3-c,d)pyrene	4.9	
Dibenzo(a,h)anthracene	2.6	
Benzo(g,h,i)perylene	8.8	
TOTAL PAH (ng/g) (Excluding Perylene)	814.4	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	6.8	
2-Methylnaphthalene	13.2	
2,6-Dimethylnaphthalene	7.3	
1,6,7-Trimethylnaphthalene	4.7	
1-Methylphenanthrene	5.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	19.7	Q
Acenapthene-D10	48.9	
Phenanthrene-D10	84.5	
Chrysene-D12	99.4	
Perylene-D12	62.2	

Station	Survey	Replicate
AMT-S	19	2

KLI Sample ID	Lab Sample ID
PWS01PAT0002	C38070

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.14	WET
Dry Weight (g)	11.54	DRY
Solids (%)	57.3	DRY
TOC (%)	0.36	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.6	
C1-Naphthalenes	6.2	J
C2-Naphthalenes	5.5	
C3-Naphthalenes	5.5	
C4-Naphthalenes	6.7	
Biphenyl	1.7	
Acenaphthylene	2.0	
Acenaphthene	1.1	J
Fluorene	3.7	
C1-Fluorenes	5.0	J
C2-Fluorenes	12.8	
C3-Fluorenes	16.9	
Anthracene	6.8	
Phenanthrene	9.2	
C1-Phen/Anthracenes	11.9	
C2-Phen/Anthracenes	28.4	
C3-Phen/Anthracenes	31.8	
C4-Phen/Anthracenes	20.2	
Dibenzothiophene	1.9	
C1-Dibenzothiophenes	5.3	
C2-Dibenzothiophenes	19.2	
C3-Dibenzothiophenes	32.9	
Fluoranthene	14.9	
Pyrene	13.0	
C1-Fluoranthenes/Pyrenes	18.9	
Benzo(a)anthracene	7.4	
Chrysene	23.4	
C1-Chrysenes	38.8	
C2-Chrysenes	52.8	
C3-Chrysenes	8.5	
C4-Chrysenes	2.3	J
Benzo(b)fluoranthene	9.3	
Benzo(k)fluoranthene	2.0	
Benzo(e)pyrene	15.6	
Benzo(a)pyrene	8.8	
Perylene	5.9	
Indeno(1,2,3-c,d)pyrene	3.0	
Dibenzo(a,h)anthracene	1.6	
Benzo(g,h,i)perylene	6.2	
TOTAL PAH (ng/g) (Excluding Perylene)	464.4	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.3	J
2-Methylnaphthalene	3.9	J
2,6-Dimethylnaphthalene	2.6	
1,6,7-Trimethylnaphthalene	2.3	
1-Methylphenanthrene	3.4	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	65.7	
Acenapthene-D10	88.5	
Phenanthrene-D10	101.4	
Chrysene-D12	113.3	
Perylene-D12	73.4	

Station	Survey	Replicate
AMT-S	19	3

KLI Sample ID	Lab Sample ID
PWS01PAT0003	C38071

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.01	WET
Dry Weight (g)	10.26	DRY
Solids (%)	51.3	DRY
TOC (%)	0.42	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.8	
C1-Naphthalenes	8.0	
C2-Naphthalenes	6.1	
C3-Naphthalenes	5.0	
C4-Naphthalenes	4.5	
Biphenyl	3.7	
Acenaphthylene	1.8	
Acenaphthene	2.1	J
Fluorene	7.6	
C1-Fluorenes	8.5	
C2-Fluorenes	13.6	
C3-Fluorenes	18.2	
Anthracene	7.7	
Phenanthrene	26.5	
C1-Phen/Anthracenes	15.9	
C2-Phen/Anthracenes	30.9	
C3-Phen/Anthracenes	34.8	
C4-Phen/Anthracenes	21.1	
Dibenzothiophene	3.7	
C1-Dibenzothiophenes	5.5	
C2-Dibenzothiophenes	18.3	
C3-Dibenzothiophenes	34.4	
Fluoranthene	23.6	
Pyrene	17.6	
C1-Fluoranthenes/Pyrenes	20.7	
Benzo(a)anthracene	9.9	
Chrysene	26.5	
C1-Chrysenes	49.3	
C2-Chrysenes	65.4	
C3-Chrysenes	11.6	
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	11.2	
Benzo(k)fluoranthene	3.0	
Benzo(e)pyrene	19.9	
Benzo(a)pyrene	9.0	
Perylene	7.5	
Indeno(1,2,3-c,d)pyrene	3.7	
Dibenzo(a,h)anthracene	2.4	
Benzo(g,h,i)perylene	7.8	
TOTAL PAH (ng/g) (Excluding Perylene)	563.3	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	3.0	J
2-Methylnaphthalene	5.0	
2,6-Dimethylnaphthalene	4.0	
1,6,7-Trimethylnaphthalene	2.9	
1-Methylphenanthrene	4.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	70.9	
Acenapthene-D10	67.5	
Phenanthrene-D10	74.6	
Chrysene-D12	75.5	
Perylene-D12	45.3	

Station	Survey	Replicate
GOC-S	19	1

KLI Sample ID	Lab Sample ID
PWS01PAT0004	C38072

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.16	WET
Dry Weight (g)	11.69	DRY
Solids (%)	58.0	DRY
TOC (%)	0.35	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.8	
C1-Naphthalenes	4.2	J
C2-Naphthalenes	3.7	
C3-Naphthalenes	3.3	
C4-Naphthalenes	2.4	
Biphenyl	1.5	
Acenaphthylene	1.3	
Acenaphthene	1.0	J
Fluorene	4.6	
C1-Fluorenes	4.2	J
C2-Fluorenes	5.6	
C3-Fluorenes	4.8	J
Anthracene	7.4	
Phenanthrene	12.0	
C1-Phen/Anthracenes	7.4	
C2-Phen/Anthracenes	5.3	
C3-Phen/Anthracenes	2.6	
C4-Phen/Anthracenes	1.3	J
Dibenzothiophene	1.4	
C1-Dibenzothiophenes	2.3	
C2-Dibenzothiophenes	2.6	
C3-Dibenzothiophenes	2.0	
Fluoranthene	13.7	
Pyrene	7.8	
C1-Fluoranthenes/Pyrenes	4.0	J
Benzo(a)anthracene	2.5	J
Chrysene	4.6	
C1-Chrysenes	2.2	J
C2-Chrysenes	1.2	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.9	J
Benzo(k)fluoranthene	0.7	J
Benzo(e)pyrene	1.8	
Benzo(a)pyrene	0.8	J
Perylene	3.0	
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0	ND
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	125.3	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.4	J
2-Methylnaphthalene	2.8	J
2,6-Dimethylnaphthalene	2.1	
1,6,7-Trimethylnaphthalene	1.7	
1-Methylphenanthrene	2.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	59.0	
Acenapthene-D10	66.7	
Phenanthrene-D10	76.4	
Chrysene-D12	51.0	
Perylene-D12	17.2	Q

Station	Survey	Replicate
GOC-S	19	2

KLI Sample ID	Lab Sample ID
PWS01PAT0005	C38073

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.24	WET
Dry Weight (g)	11.14	DRY
Solids (%)	55.0	DRY
TOC (%)	0.36	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.7	
C1-Naphthalenes	5.3	J
C2-Naphthalenes	4.4	
C3-Naphthalenes	4.1	
C4-Naphthalenes	3.1	
Biphenyl	2.2	
Acenaphthylene	1.3	
Acenaphthene	1.1	J
Fluorene	5.4	
C1-Fluorenes	4.7	J
C2-Fluorenes	6.0	
C3-Fluorenes	4.8	J
Anthracene	5.0	
Phenanthrene	12.5	
C1-Phen/Anthracenes	7.5	
C2-Phen/Anthracenes	4.9	
C3-Phen/Anthracenes	2.5	
C4-Phen/Anthracenes	0.7	J
Dibenzothiophene	1.5	
C1-Dibenzothiophenes	2.0	
C2-Dibenzothiophenes	2.6	
C3-Dibenzothiophenes	1.6	
Fluoranthene	12.4	
Pyrene	6.8	
C1-Fluoranthenes/Pyrenes	4.8	J
Benzo(a)anthracene	3.8	
Chrysene	7.0	
C1-Chrysenes	2.1	J
C2-Chrysenes	1.4	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.8	J
Benzo(k)fluoranthene	0.7	J
Benzo(e)pyrene	1.6	J
Benzo(a)pyrene	0.9	J
Perylene	2.0	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0	ND
Benzo(g,h,i)perylene	0.4	J
TOTAL PAH (ng/g) (Excluding Perylene)	130.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.9	J
2-Methylnaphthalene	3.4	J
2,6-Dimethylnaphthalene	2.4	
1,6,7-Trimethylnaphthalene	1.8	
1-Methylphenanthrene	2.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	55.3	
Acenapthene-D10	70.3	
Phenanthrene-D10	85.5	
Chrysene-D12	56.8	
Perylene-D12	24.3	Q

Station	Survey	Replicate
GOC-S	19	3

KLI Sample ID	Lab Sample ID
PWS01PAT0006	C38074

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.30	WET
Dry Weight (g)	11.70	DRY
Solids (%)	57.6	DRY
TOC (%)	0.31	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.6	
C1-Naphthalenes	4.4	J
C2-Naphthalenes	3.8	
C3-Naphthalenes	3.6	
C4-Naphthalenes	2.9	
Biphenyl	1.8	
Acenaphthylene	1.1	
Acenaphthene	1.0	J
Fluorene	4.7	
C1-Fluorenes	5.6	
C2-Fluorenes	6.5	
C3-Fluorenes	5.3	
Anthracene	3.1	
Phenanthrene	11.7	
C1-Phen/Anthracenes	7.4	
C2-Phen/Anthracenes	5.4	
C3-Phen/Anthracenes	3.1	
C4-Phen/Anthracenes	1.2	J
Dibenzothiophene	1.5	
C1-Dibenzothiophenes	2.3	
C2-Dibenzothiophenes	2.8	
C3-Dibenzothiophenes	2.0	
Fluoranthene	12.1	
Pyrene	6.5	
C1-Fluoranthenes/Pyrenes	3.4	J
Benzo(a)anthracene	2.2	J
Chrysene	4.0	
C1-Chrysenes	1.9	J
C2-Chrysenes	1.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.5	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	1.3	J
Benzo(a)pyrene	0.6	J
Perylene	1.8	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0	ND
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	120.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.4	J
2-Methylnaphthalene	3.0	J
2,6-Dimethylnaphthalene	2.2	
1,6,7-Trimethylnaphthalene	1.8	
1-Methylphenanthrene	2.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	54.6	
Acenapthene-D10	62.7	
Phenanthrene-D10	79.0	
Chrysene-D12	49.9	
Perylene-D12	23.9	Q

SURVEY 20 (JULY 2001)

Station	Survey	Replicate
AMT-S	20	1

KLI Sample ID	Lab Sample ID
PWS01PAT0010	C39508

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.13	WET
Dry Weight (g)	10.33	DRY
Solids (%)	51.3	DRY
TOC (%)	0.66	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3	
C1-Naphthalenes	4	J
C2-Naphthalenes	3.4	
C3-Naphthalenes	3.2	
C4-Naphthalenes	2.6	
Biphenyl	1.8	
Acenaphthylene	1.1	
Acenaphthene	0.8	J
Fluorene	2	J
C1-Fluorenes	2.3	J
C2-Fluorenes	3.1	J
C3-Fluorenes	5.1	J
Anthracene	4.5	
Phenanthrene	5.4	J
C1-Phen/Anthracenes	5.2	
C2-Phen/Anthracenes	5.8	
C3-Phen/Anthracenes	6	
C4-Phen/Anthracenes	3.6	
Dibenzothiophene	0.7	
C1-Dibenzothiophenes	1.1	J
C2-Dibenzothiophenes	3.6	
C3-Dibenzothiophenes	6.1	
Fluoranthene	6.6	
Pyrene	6.3	
C1-Fluoranthenes/Pyrenes	5.6	J
Benzo(a)anthracene	4.4	
Chrysene	6.4	
C1-Chrysenes	7.4	
C2-Chrysenes	9.9	
C3-Chrysenes	0.2	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	6.7	
Benzo(k)fluoranthene	2.4	
Benzo(e)pyrene	6.1	
Benzo(a)pyrene	9.8	
Perylene	1.9	J
Indeno(1,2,3-c,d)pyrene	5.7	
Dibenzo(a,h)anthracene	1.2	
Benzo(g,h,i)perylene	6.7	
TOTAL PAH (ng/g)	159.8	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.5	J
2-Methylnaphthalene	2.5	J
2,6-Dimethylnaphthalene	1.3	
1,6,7-Trimethylnaphthalene	0.8	J
1-Methylphenanthrene	1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	53.3	
Acenapthene-D10	68.9	
Phenanthrene-D10	76.3	
Chrysene-D12	86.8	
Perylene-D12	37.3	Q

Station	Survey	Replicate
AMT-S	20	2

KLI Sample ID	Lab Sample ID
PWS01PAT0011	C39509

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.07	WET
Dry Weight (g)	9.48	DRY
Solids (%)	47.2	DRY
TOC (%)	0.57	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.4	J
C1-Naphthalenes	8.8	
C2-Naphthalenes	5.8	
C3-Naphthalenes	4.6	
C4-Naphthalenes	3	
Biphenyl	3.3	
Acenaphthylene	1.3	
Acenaphthene	13.2	
Fluorene	20.6	
C1-Fluorenes	6	J
C2-Fluorenes	5.9	J
C3-Fluorenes	6.6	
Anthracene	29	
Phenanthrene	61.8	
C1-Phen/Anthracenes	14.1	
C2-Phen/Anthracenes	13.7	
C3-Phen/Anthracenes	10.9	
C4-Phen/Anthracenes	8.4	
Dibenzothiophene	4.1	
C1-Dibenzothiophenes	2.4	
C2-Dibenzothiophenes	6.4	
C3-Dibenzothiophenes	11.8	
Fluoranthene	51.1	
Pyrene	41.6	
C1-Fluoranthenes/Pyrenes	17.2	
Benzo(a)anthracene	24.3	
Chrysene	15	
C1-Chrysenes	15.8	
C2-Chrysenes	14.7	
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	23.7	
Benzo(k)fluoranthene	9.2	
Benzo(e)pyrene	14.4	
Benzo(a)pyrene	29.5	
Perylene	5.1	
Indeno(1,2,3-c,d)pyrene	15.9	
Dibenzo(a,h)anthracene	3.8	
Benzo(g,h,i)perylene	15.6	
TOTAL PAH (ng/g)	535.8	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	3.3	J
2-Methylnaphthalene	5.5	
2,6-Dimethylnaphthalene	3	
1,6,7-Trimethylnaphthalene	1.6	
1-Methylphenanthrene	3.3	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	77	
Acenapthene-D10	84.3	
Phenanthrene-D10	88.4	
Chrysene-D12	95.4	
Perylene-D12	51.4	

Station	Survey	Replicate
AMT-S	20	3

KLI Sample ID	Lab Sample ID
PWS01PAT0012	C39510

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.11	WET
Dry Weight (g)	9.69	DRY
Solids (%)	48.2	DRY
TOC (%)	0.61	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.9	
C1-Naphthalenes	5.1	J
C2-Naphthalenes	12.6	
C3-Naphthalenes	24	
C4-Naphthalenes	20.8	
Biphenyl	2.4	
Acenaphthylene	1.1	J
Acenaphthene	0.6	J
Fluorene	3.4	
C1-Fluorenes	9.7	
C2-Fluorenes	15.9	
C3-Fluorenes	22.7	
Anthracene	2.8	
Phenanthrene	7.7	J
C1-Phen/Anthracenes	19.3	
C2-Phen/Anthracenes	22.2	
C3-Phen/Anthracenes	18	
C4-Phen/Anthracenes	10.3	
Dibenzothiophene	2.4	
C1-Dibenzothiophenes	7.5	
C2-Dibenzothiophenes	14.7	
C3-Dibenzothiophenes	19.9	
Fluoranthene	4.4	J
Pyrene	4.5	J
C1-Fluoranthenes/Pyrenes	6.8	J
Benzo(a)anthracene	2.2	J
Chrysene	6.1	
C1-Chrysenes	9.4	
C2-Chrysenes	12.7	
C3-Chrysenes	0.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	3.3	J
Benzo(k)fluoranthene	0.8	J
Benzo(e)pyrene	3.8	
Benzo(a)pyrene	3.6	J
Perylene	0.9	J
Indeno(1,2,3-c,d)pyrene	2	J
Dibenzo(a,h)anthracene	0.9	J
Benzo(g,h,i)perylene	2.8	
TOTAL PAH (ng/g)	310.5	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.1	J
2-Methylnaphthalene	3	J
2,6-Dimethylnaphthalene	4.3	
1,6,7-Trimethylnaphthalene	6.9	
1-Methylphenanthrene	5.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	57.9	
Acenapthene-D10	74.7	
Phenanthrene-D10	82.5	
Chrysene-D12	97.2	
Perylene-D12	49.2	

Station	Survey	Replicate
GOC-S	20	1

KLI Sample ID	Lab Sample ID
PWS01PAT0007	C39505

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	21.24	WET
Dry Weight (g)	12.17	DRY
Solids (%)	57.3	DRY
TOC (%)	0.48	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	1.5	J
C1-Naphthalenes	2.1	J
C2-Naphthalenes	2	
C3-Naphthalenes	2	
C4-Naphthalenes	0.5	J
Biphenyl	1.7	
Acenaphthylene	0.5	J
Acenaphthene	0.5	J
Fluorene	2.2	J
C1-Fluorenes	1.6	J
C2-Fluorenes	1.6	J
C3-Fluorenes	2.2	J
Anthracene	1	J
Phenanthrene	4.8	J
C1-Phen/Anthracenes	2.1	
C2-Phen/Anthracenes	1.4	J
C3-Phen/Anthracenes	0.5	J
C4-Phen/Anthracenes	0.2	J
Dibenzothiophene	0.6	
C1-Dibenzothiophenes	0.7	J
C2-Dibenzothiophenes	0.6	J
C3-Dibenzothiophenes	0.4	J
Fluoranthene	2.9	J
Pyrene	1.7	J
C1-Fluoranthenes/Pyrenes	0.9	J
Benzo(a)anthracene	0.5	J
Chrysene	0.6	J
C1-Chrysenes	0.3	J
C2-Chrysenes	0.3	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	0.5	J
Benzo(k)fluoranthene	0.1	J
Benzo(e)pyrene	0.4	J
Benzo(a)pyrene	0.4	J
Perylene	0.2	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g)	39.8	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	0.7	J
2-Methylnaphthalene	1.4	J
2,6-Dimethylnaphthalene	1	
1,6,7-Trimethylnaphthalene	0.8	J
1-Methylphenanthrene	0.6	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.1	
Acenapthene-D10	47.2	
Phenanthrene-D10	51.4	
Chrysene-D12	59.4	
Perylene-D12	28	Q

Station	Survey	Replicate
GOC-S	20	2

KLI Sample ID	Lab Sample ID
PWS01PAT0008	C39506

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.12	WET
Dry Weight (g)	11.66	DRY
Solids (%)	58	DRY
TOC (%)	0.44	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.7	
C1-Naphthalenes	4.4	J
C2-Naphthalenes	3.3	
C3-Naphthalenes	3	
C4-Naphthalenes	2.3	
Biphenyl	1.5	
Acenaphthylene	0.6	J
Acenaphthene	1	J
Fluorene	3.2	
C1-Fluorenes	2.8	J
C2-Fluorenes	2.6	J
C3-Fluorenes	0.5	J
Anthracene	1.5	J
Phenanthrene	7.4	
C1-Phen/Anthracenes	3.1	
C2-Phen/Anthracenes	1.8	
C3-Phen/Anthracenes	0.8	J
C4-Phen/Anthracenes	0.4	J
Dibenzothiophene	1	
C1-Dibenzothiophenes	1	J
C2-Dibenzothiophenes	0.9	J
C3-Dibenzothiophenes	0.6	J
Fluoranthene	4.1	J
Pyrene	2.3	J
C1-Fluoranthenes/Pyrenes	1.1	J
Benzo(a)anthracene	0.5	J
Chrysene	0.9	J
C1-Chrysenes	0.5	J
C2-Chrysenes	0.6	J
C3-Chrysenes	0	ND
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	0.6	J
Benzo(k)fluoranthene	0.3	J
Benzo(e)pyrene	0.6	J
Benzo(a)pyrene	0.4	J
Perylene	0.4	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.4	J
TOTAL PAH (ng/g)	59	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.4	J
2-Methylnaphthalene	3	J
2,6-Dimethylnaphthalene	1.7	
1,6,7-Trimethylnaphthalene	1	
1-Methylphenanthrene	0.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	58.3	
Acenapthene-D10	68.8	
Phenanthrene-D10	66.8	
Chrysene-D12	68.5	
Perylene-D12	34.4	Q

Station	Survey	Replicate
GOC-S	20	3

KLI Sample ID	Lab Sample ID
PWS01PAT0009	C39507

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.31	WET
Dry Weight (g)	12.19	DRY
Solids (%)	60	DRY
TOC (%)	0.42	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.1	J
C1-Naphthalenes	3.2	J
C2-Naphthalenes	2.7	
C3-Naphthalenes	2.6	
C4-Naphthalenes	1.5	J
Biphenyl	1.7	
Acenaphthylene	0.6	J
Acenaphthene	1.2	J
Fluorene	3.2	
C1-Fluorenes	2.2	J
C2-Fluorenes	2	J
C3-Fluorenes	1.1	J
Anthracene	3.6	
Phenanthrene	11.1	
C1-Phen/Anthracenes	4	
C2-Phen/Anthracenes	2.3	
C3-Phen/Anthracenes	1.3	J
C4-Phen/Anthracenes	0.5	J
Dibenzothiophene	1.1	
C1-Dibenzothiophenes	0.9	J
C2-Dibenzothiophenes	1.1	J
C3-Dibenzothiophenes	0.8	J
Fluoranthene	12.3	
Pyrene	9.2	
C1-Fluoranthenes/Pyrenes	3.1	J
Benzo(a)anthracene	3.4	
Chrysene	5	
C1-Chrysenes	1.4	J
C2-Chrysenes	0.7	J
C3-Chrysenes	0	ND
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	5	
Benzo(k)fluoranthene	2.1	
Benzo(e)pyrene	3.4	
Benzo(a)pyrene	5	
Perylene	1	J
Indeno(1,2,3-c,d)pyrene	3.1	
Dibenzo(a,h)anthracene	0.6	J
Benzo(g,h,i)perylene	2.8	
TOTAL PAH (ng/g)	108.3	
(Excluding Perylene)		

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1	J
2-Methylnaphthalene	2.2	J
2,6-Dimethylnaphthalene	1.4	
1,6,7-Trimethylnaphthalene	0.8	
1-Methylphenanthrene	1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	60.6	
Acenapthene-D10	72.1	
Phenanthrene-D10	68.3	
Chrysene-D12	66.2	
Perylene-D12	32.5	Q

SURVEY 22 (MARCH 2002)

Station	Survey	Replicate
AMT-S	22	1

KLI Sample ID	Lab Sample ID
PWS02PAT0004	C41082

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.44	WET
Dry Weight (g)	9.91	DRY
Solids (%)	48.5	DRY
TOC (%)	0.48	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	1.4	J
C1-Naphthalenes	1.6	J
C2-Naphthalenes	0.8	J
C3-Naphthalenes	0.3	J
C4-Naphthalenes	0.2	J
Biphenyl	0.5	J
Acenaphthylene	0.1	J
Acenaphthene	0	ND
Fluorene	0.3	J
C1-Fluorenes	0.3	J
C2-Fluorenes	0.1	J
C3-Fluorenes	0.1	J
Anthracene	0.2	J
Phenanthrene	0.4	J
C1-Phen/Anthracenes	0.5	J
C2-Phen/Anthracenes	0	ND
C3-Phen/Anthracenes	0	ND
C4-Phen/Anthracenes	0	ND
Dibenzothiophene	0.1	J
C1-Dibenzothiophenes	0.2	J
C2-Dibenzothiophenes	0.3	J
C3-Dibenzothiophenes	0	ND
Fluoranthene	0.3	J
Pyrene	0.3	J
C1-Fluoranthenes/Pyrenes	0.2	J
Benzo(a)anthracene	0.1	J
Chrysene	0.2	J
C1-Chrysenes	0.2	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0	ND
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	0.2	J
Benzo(k)fluoranthene	0.1	J
Benzo(e)pyrene	0.2	J
Benzo(a)pyrene	0.2	J
Perylene	0.1	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.2	J
TOTAL PAH (ng/g) (Excluding Perylene)	9.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	0.6	J
2-Methylnaphthalene	1.0	J
2,6-Dimethylnaphthalene	0.2	J
1,6,7-Trimethylnaphthalene	0.1	J
1-Methylphenanthrene	0.1	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	41.8	
Acenapthene-D10	60.2	
Phenanthrene-D10	77.0	
Chrysene-D12	76.3	
Perylene-D12	37.6	Q

Station	Survey	Replicate
AMT-S	22	2

KLI Sample ID	Lab Sample ID
PWS02PAT0005	C41083

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.10	WET
Dry Weight (g)	11.47	DRY
Solids (%)	57.1	DRY
TOC (%)	0.43	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	1.7	J
C1-Naphthalenes	2.5	J
C2-Naphthalenes	1.7	J
C3-Naphthalenes	1.9	
C4-Naphthalenes	1.3	J
Biphenyl	0.5	J
Acenaphthylene	0.5	J
Acenaphthene	0.3	J
Fluorene	0.9	J
C1-Fluorenes	1.6	J
C2-Fluorenes	2.0	J
C3-Fluorenes	1.7	J
Anthracene	1.0	J
Phenanthrene	2.3	J
C1-Phen/Anthracenes	2.3	
C2-Phen/Anthracenes	4.5	
C3-Phen/Anthracenes	3.7	
C4-Phen/Anthracenes	2.5	
Dibenzothiophene	0.6	J
C1-Dibenzothiophenes	1.3	
C2-Dibenzothiophenes	4.2	
C3-Dibenzothiophenes	5.2	
Fluoranthene	2.7	J
Pyrene	2.7	J
C1-Fluoranthenes/Pyrenes	3.4	J
Benzo(a)anthracene	1.3	J
Chrysene	3.2	
C1-Chrysenes	3.6	J
C2-Chrysenes	0	ND
C3-Chrysenes	0.4	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	1.2	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	1.8	
Benzo(a)pyrene	1.3	J
Perylene	1.0	J
Indeno(1,2,3-c,d)pyrene	0.6	J
Dibenzo(a,h)anthracene	0.3	J
Benzo(g,h,i)perylene	1.1	J
TOTAL PAH (ng/g) (Excluding Perylene)	67.8	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	0.9	J
2-Methylnaphthalene	1.6	J
2,6-Dimethylnaphthalene	0.7	J
1,6,7-Trimethylnaphthalene	0.6	J
1-Methylphenanthrene	0.7	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	43.5	
Acenapthene-D10	58.6	
Phenanthrene-D10	65.1	
Chrysene-D12	74.2	
Perylene-D12	31.9	Q

Station	Survey	Replicate
AMT-S	22	3

KLI Sample ID	Lab Sample ID
PWS02PAT0006	C41084

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.16	WET
Dry Weight (g)	9.63	DRY
Solids (%)	47.7	DRY
TOC (%)	0.53	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.1	J
C1-Naphthalenes	5.4	J
C2-Naphthalenes	4.6	
C3-Naphthalenes	4.6	
C4-Naphthalenes	1.8	J
Biphenyl	1.0	
Acenaphthylene	1.7	
Acenaphthene	0.9	J
Fluorene	2.4	J
C1-Fluorenes	2.8	J
C2-Fluorenes	4.0	J
C3-Fluorenes	2.4	J
Anthracene	4.8	
Phenanthrene	5.0	J
C1-Phen/Anthracenes	5.0	
C2-Phen/Anthracenes	6.0	
C3-Phen/Anthracenes	4.7	
C4-Phen/Anthracenes	0.2	J
Dibenzothiophene	1.0	
C1-Dibenzothiophenes	1.6	
C2-Dibenzothiophenes	4.7	
C3-Dibenzothiophenes	5.5	
Fluoranthene	9.3	
Pyrene	7.2	
C1-Fluoranthenes/Pyrenes	7.9	J
Benzo(a)anthracene	7.5	
Chrysene	8.3	
C1-Chrysenes	7.2	
C2-Chrysenes	0.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	7.0	
Benzo(k)fluoranthene	2.7	
Benzo(e)pyrene	5.7	
Benzo(a)pyrene	6.0	
Perylene	2.5	J
Indeno(1,2,3-c,d)pyrene	2.9	J
Dibenzo(a,h)anthracene	1.0	J
Benzo(g,h,i)perylene	2.9	
TOTAL PAH (ng/g) (Excluding Perylene)	148.3	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.1	J
2-Methylnaphthalene	3.3	J
2,6-Dimethylnaphthalene	1.7	
1,6,7-Trimethylnaphthalene	1.2	
1-Methylphenanthrene	1.5	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	45.3	
Acenapthene-D10	63.5	
Phenanthrene-D10	82.0	
Chrysene-D12	89.2	
Perylene-D12	40.6	

Station	Survey	Replicate
GOC-S	22	1

KLI Sample ID	Lab Sample ID
PWS02PAT0002	C41080

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.40	WET
Dry Weight (g)	11.27	DRY
Solids (%)	55.2	DRY
TOC (%)	0.51	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.4	
C1-Naphthalenes	5.3	J
C2-Naphthalenes	4.6	
C3-Naphthalenes	5.7	
C4-Naphthalenes	2.5	
Biphenyl	1.0	
Acenaphthylene	0.8	J
Acenaphthene	1.0	J
Fluorene	4.0	
C1-Fluorenes	5.0	J
C2-Fluorenes	4.9	J
C3-Fluorenes	2.8	J
Anthracene	1.8	J
Phenanthrene	9.0	
C1-Phen/Anthracenes	4.9	
C2-Phen/Anthracenes	3.1	
C3-Phen/Anthracenes	1.7	
C4-Phen/Anthracenes	0.6	J
Dibenzothiophene	1.6	
C1-Dibenzothiophenes	1.9	
C2-Dibenzothiophenes	2.2	
C3-Dibenzothiophenes	1.1	J
Fluoranthene	7.5	
Pyrene	4.3	J
C1-Fluoranthenes/Pyrenes	2.2	J
Benzo(a)anthracene	1.0	J
Chrysene	2.3	J
C1-Chrysenes	0.9	J
C2-Chrysenes	0.3	J
C3-Chrysenes	0	ND
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	1.1	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	0.7	J
Benzo(a)pyrene	0.6	J
Perylene	0.7	J
Indeno(1,2,3-c,d)pyrene	0.4	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.5	J
TOTAL PAH (ng/g) (Excluding Perylene)	91.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.9	J
2-Methylnaphthalene	3.4	J
2,6-Dimethylnaphthalene	1.8	
1,6,7-Trimethylnaphthalene	1.6	
1-Methylphenanthrene	1.5	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	43.5	
Acenapthene-D10	61.4	
Phenanthrene-D10	81.3	
Chrysene-D12	79.7	
Perylene-D12	36.3	Q

Station	Survey	Replicate
GOC-S	22	2

KLI Sample ID	Lab Sample ID
PWS02PAT0003	C41081

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.06	WET
Dry Weight (g)	10.93	DRY
Solids (%)	54.5	DRY
TOC (%)	0.47	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	2.4	J
C1-Naphthalenes	3.1	J
C2-Naphthalenes	1.8	J
C3-Naphthalenes	1.6	J
C4-Naphthalenes	0.3	J
Biphenyl	0.7	J
Acenaphthylene	0.4	J
Acenaphthene	0.6	J
Fluorene	1.3	J
C1-Fluorenes	1.8	J
C2-Fluorenes	1.5	J
C3-Fluorenes	0	ND
Anthracene	0.5	J
Phenanthrene	2.7	J
C1-Phen/Anthracenes	1.5	J
C2-Phen/Anthracenes	0.9	J
C3-Phen/Anthracenes	0.3	J
C4-Phen/Anthracenes	0	ND
Dibenzothiophene	0.5	J
C1-Dibenzothiophenes	0.6	J
C2-Dibenzothiophenes	0.6	J
C3-Dibenzothiophenes	0	ND
Fluoranthene	2.0	J
Pyrene	1.3	J
C1-Fluoranthenes/Pyrenes	0.9	J
Benzo(a)anthracene	0.6	J
Chrysene	1.6	J
C1-Chrysenes	0.5	J
C2-Chrysenes	0.5	J
C3-Chrysenes	0	ND
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	0.5	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	0.4	J
Benzo(a)pyrene	0.4	J
Perylene	0.8	J
Indeno(1,2,3-c,d)pyrene	0.3	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	32.5	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.3	J
2-Methylnaphthalene	1.8	J
2,6-Dimethylnaphthalene	0.7	J
1,6,7-Trimethylnaphthalene	0.5	J
1-Methylphenanthrene	0.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	42.9	
Acenapthene-D10	53.2	
Phenanthrene-D10	59.7	
Chrysene-D12	56.9	
Perylene-D12	23.2	Q

Station	Survey	Replicate
GOC-S	22	3

KLI Sample ID	Lab Sample ID
PWS02PAT0007	C41085

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3206

Wet Weight (g)	20.36	WET
Dry Weight (g)	12.03	DRY
Solids (%)	59.1	DRY
TOC (%)	0.46	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.3	
C1-Naphthalenes	4.9	J
C2-Naphthalenes	4.4	
C3-Naphthalenes	5.1	
C4-Naphthalenes	3.1	
Biphenyl	0.8	
Acenaphthylene	0.8	J
Acenaphthene	0.8	J
Fluorene	4.4	
C1-Fluorenes	4.5	J
C2-Fluorenes	5.1	
C3-Fluorenes	1.6	J
Anthracene	4.9	
Phenanthrene	10.2	
C1-Phen/Anthracenes	6.2	
C2-Phen/Anthracenes	4.3	
C3-Phen/Anthracenes	2.1	
C4-Phen/Anthracenes	0.9	J
Dibenzothiophene	1.3	
C1-Dibenzothiophenes	1.9	
C2-Dibenzothiophenes	2.5	
C3-Dibenzothiophenes	1.5	
Fluoranthene	13.2	
Pyrene	7.8	
C1-Fluoranthenes/Pyrenes	7.0	J
Benzo(a)anthracene	6.5	
Chrysene	12.1	
C1-Chrysenes	3.0	J
C2-Chrysenes	1.2	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	2.4	J
Benzo(k)fluoranthene	1.3	J
Benzo(e)pyrene	1.6	J
Benzo(a)pyrene	1.8	J
Perylene	2.0	J
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.7	J
TOTAL PAH (ng/g) (Excluding Perylene)	133.8	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.7	J
2-Methylnaphthalene	3.1	J
2,6-Dimethylnaphthalene	1.8	
1,6,7-Trimethylnaphthalene	1.5	
1-Methylphenanthrene	1.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	47.9	
Acenapthene-D10	71.8	
Phenanthrene-D10	93.3	
Chrysene-D12	62.1	
Perylene-D12	18.9	Q

APPENDIX B

Sediment Results

3.0 AHC Data

SURVEY 17 (JULY 2000)

Station	Survey	Replicate
AMT-S	17	1

KLI Sample ID	Lab Sample ID
PWS00PAT0010	C36257

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.82	WET
Dry Weight (g)	10.67	DRY
Solids (%)	51.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	20.7	
n-C11	6.1	
n-C12	5.9	J
n-C13	5.6	J
n-C14	7.5	J
n-C15	25.6	
n-C16	15.5	
n-C17	41	
Pristane	112.1	
n-C18	16.2	
Phytane	36.8	
n-C19	48.6	
n-C20	17.6	
n-C21	30.9	
n-C22	18.9	
n-C23	38.3	
n-C24	14.2	J
n-C25	70.2	
n-C26	47.3	
n-C27	194.1	
n-C28	50.7	
n-C29	181.3	
n-C30	229.9	
n-C31	186.5	
n-C32	186.1	
n-C33	223.8	
n-C34	248.9	

TOTAL AHC (ng/g) 2080.1

TRUAHC (ug/g)	158.8
TOTAL RAHC (ug/g)	7.1
UCM (ug/g)	151.8

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	73	
C20 (Deuterated)	81	
C24 (Deuterated)	106	
C30 (Deuterated)	95	

Station	Survey	Replicate
AMT-S	17	2

KLI Sample ID	Lab Sample ID
PWS00PAT0011	C36258

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.59	WET
Dry Weight (g)	10.29	DRY
Solids (%)	50	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	10.5	
n-C11	9.6	
n-C12	5.4	J
n-C13	5.4	J
n-C14	8.4	J
n-C15	42.1	
n-C16	26.1	
n-C17	83.8	
Pristane	253.8	
n-C18	39.5	
Phytane	74.4	
n-C19	67.3	
n-C20	30.6	
n-C21	54	
n-C22	32.4	
n-C23	74	
n-C24	61.8	
n-C25	146.5	
n-C26	65.3	
n-C27	526.7	
n-C28	67.8	
n-C29	232.8	
n-C30	216.2	
n-C31	224.8	
n-C32	186.2	
n-C33	209.2	
n-C34	261.4	

TOTAL AHC (ng/g) 3015.9

TRUAHC (ug/g)	180
TOTAL RAHC (ug/g)	9.2
UCM (ug/g)	170.8

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	83	
C20 (Deuterated)	92	
C24 (Deuterated)	115	
C30 (Deuterated)	107	

Station	Survey	Replicate
AMT-S	17	3

KLI Sample ID	Lab Sample ID
PWS00PAT0012	C36259

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.56	WET
Dry Weight (g)	10.17	DRY
Solids (%)	49.5	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	11.2	
n-C11	6.6	
n-C12	6.6	
n-C13	5.2	J
n-C14	5.8	J
n-C15	25.2	
n-C16	11.2	J
n-C17	42.5	
Pristane	119.7	
n-C18	24.8	
Phytane	38	
n-C19	35	
n-C20	17.1	
n-C21	30.3	
n-C22	26.9	
n-C23	39.5	
n-C24	35.2	
n-C25	86.3	
n-C26	55.3	
n-C27	227.6	
n-C28	61.6	
n-C29	167.5	
n-C30	191.8	
n-C31	188.4	
n-C32	182.9	
n-C33	234.6	
n-C34	230	

TOTAL AHC (ng/g) 2106.5

TRUAHC (ug/g)	153.7
TOTAL RAHC (ug/g)	7.2
UCM (ug/g)	146.6

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	73	
C20 (Deuterated)	81	
C24 (Deuterated)	100	
C30 (Deuterated)	101	

Station	Survey	Replicate
GOC-S	17	1

KLI Sample ID	Lab Sample ID
PWS00PAT0007	C36254

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.41	WET
Dry Weight (g)	11.88	DRY
Solids (%)	58.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	6.4	
n-C11	7.8	
n-C12	1.3	J
n-C13	0	ND
n-C14	2.6	J
n-C15	17.7	
n-C16	9.1	J
n-C17	23.8	
Pristane	19.4	
n-C18	6.9	J
Phytane	2.5	J
n-C19	7.8	J
n-C20	7.4	J
n-C21	14.5	
n-C22	8.4	J
n-C23	27.3	
n-C24	9	J
n-C25	73	
n-C26	20.5	
n-C27	294.7	
n-C28	25.5	
n-C29	143.8	
n-C30	15.9	
n-C31	113	
n-C32	26.7	
n-C33	54.4	
n-C34	26.7	

TOTAL AHC (ng/g)	966

TRUAHC (ug/g)	23.8	
TOTAL RAHC (ug/g)	1.8	
UCM (ug/g)	22.1	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	75	
C20 (Deuterated)	77	
C24 (Deuterated)	77	
C30 (Deuterated)	83	

Station	Survey	Replicate
GOC-S	17	2

KLI Sample ID	Lab Sample ID
PWS00PAT0008	C36255

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	21.08	WET
Dry Weight (g)	12.37	DRY
Solids (%)	58.7	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	18.2	
n-C11	5.5	
n-C12	5.5	
n-C13	2.3	J
n-C14	3.4	J
n-C15	14	
n-C16	6.2	J
n-C17	19.3	
Pristane	18.1	
n-C18	6.9	J
Phytane	1.9	J
n-C19	6.6	J
n-C20	7.7	J
n-C21	12.3	
n-C22	6.9	J
n-C23	21.6	
n-C24	8.9	J
n-C25	53.2	
n-C26	20.6	
n-C27	208.8	
n-C28	14.9	
n-C29	111.7	
n-C30	10.5	
n-C31	79.8	
n-C32	18.5	
n-C33	42.6	
n-C34	26.6	

TOTAL AHC (ng/g)	752.5

TRUAHC (ug/g)	5.2	
TOTAL RAHC (ug/g)	1.8	
UCM (ug/g)	3.4	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	47	
C20 (Deuterated)	92	
C24 (Deuterated)	92	
C30 (Deuterated)	99	

Station	Survey	Replicate
GOC-S	17	3

KLI Sample ID	Lab Sample ID
PWS00PAT0009	C36256

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3029

Wet Weight (g)	20.17	WET
Dry Weight (g)	12.16	DRY
Solids (%)	60.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	6.8	
n-C11	0.9	J
n-C12	4.4	J
n-C13	1.4	J
n-C14	2.6	J
n-C15	11.4	
n-C16	4.6	J
n-C17	18	
Pristane	40.6	
n-C18	6.7	J
Phytane	3.1	J
n-C19	4.3	J
n-C20	8.9	J
n-C21	6.2	J
n-C22	6.6	J
n-C23	196.3	
n-C24	8.8	J
n-C25	38.2	
n-C26	24.7	
n-C27	218.5	
n-C28	12.8	
n-C29	103.6	
n-C30	11.1	
n-C31	71.8	
n-C32	28.9	
n-C33	38.8	
n-C34	32.4	

TOTAL AHC (ng/g)	912.4

TRUAHC (ug/g)	9.8	
TOTAL RAHC (ug/g)	3.4	
UCM (ug/g)	6.4	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	69	
C20 (Deuterated)	91	
C24 (Deuterated)	88	
C30 (Deuterated)	97	

SURVEY 19 (MARCH 2001)

Station	Survey	Replicate
AMT-S	19	1

KLI Sample ID	Lab Sample ID
PWS01PAT0001	C38069

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.09	WET
Dry Weight (g)	9.50	DRY
Solids (%)	47.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	6.4	J
n-C14	10.3	J
n-C15	31.4	J
n-C16	160.2	
n-C17	64.2	
Pristane	128.6	
n-C18	107.1	
Phytane	54.4	
n-C19	36.7	
n-C20	34.7	J
n-C21	31.3	J
n-C22	49.0	
n-C23	50.4	
n-C24	27.3	J
n-C25	99.1	
n-C26	33.0	
n-C27	291.3	
n-C28	120.0	
n-C29	221.0	
n-C30	123.4	
n-C31	220.0	
n-C32	405.0	
n-C33	337.9	
n-C34	344.1	

TOTAL AHC (ng/g) 2986.6

TRUAHC (ug/g)	184.9
TOTAL RAHC (ug/g)	9.0
UCM (ug/g)	175.9

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	10.2	Q
C20 (Deuterated)	65.3	
C24 (Deuterated)	58.2	
C30 (Deuterated)	70.6	

Station	Survey	Replicate
AMT-S	19	2

KLI Sample ID	Lab Sample ID
PWS01PAT0002	C38070

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.14	WET
Dry Weight (g)	11.54	DRY
Solids (%)	57.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	5.4	J
n-C14	6.8	J
n-C15	26.5	J
n-C16	119.3	
n-C17	36.3	
Pristane	38.5	
n-C18	40.4	J
Phytane	26.5	
n-C19	16.8	J
n-C20	19.1	J
n-C21	31.8	J
n-C22	32.4	
n-C23	37.4	
n-C24	19.6	J
n-C25	52.5	
n-C26	23.2	
n-C27	161.2	
n-C28	65.5	
n-C29	159.9	
n-C30	93.6	
n-C31	160.0	
n-C32	168.9	
n-C33	237.1	
n-C34	224.0	

TOTAL AHC (ng/g) 1802.7

TRUAHC (ug/g)	126.8
TOTAL RAHC (ug/g)	6.3
UCM (ug/g)	120.5

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	54.5	
C20 (Deuterated)	66.0	
C24 (Deuterated)	72.0	
C30 (Deuterated)	90.6	

Station	Survey	Replicate
AMT-S	19	3

KLI Sample ID	Lab Sample ID
PWS01PAT0003	C38071

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.01	WET
Dry Weight (g)	10.26	DRY
Solids (%)	51.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	14.0	J
n-C13	10.1	
n-C14	8.7	J
n-C15	31.8	J
n-C16	178.7	
n-C17	53.4	
Pristane	72.1	
n-C18	40.0	J
Phytane	44.1	
n-C19	23.4	J
n-C20	19.6	J
n-C21	26.5	J
n-C22	49.3	
n-C23	30.4	
n-C24	29.6	J
n-C25	118.8	
n-C26	33.9	
n-C27	229.6	
n-C28	90.7	
n-C29	172.7	
n-C30	151.3	
n-C31	242.8	
n-C32	261.9	
n-C33	331.8	
n-C34	393.3	

TOTAL AHC (ng/g) 2658.2

TRUAHC (ug/g)	183.5
TOTAL RAHC (ug/g)	8.3
UCM (ug/g)	175.2

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	52.0	
C20 (Deuterated)	42.5	
C24 (Deuterated)	44.5	
C30 (Deuterated)	46.1	

Station	Survey	Replicate
GOC-S	19	1

KLI Sample ID	Lab Sample ID
PWS01PAT0004	C38072

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.16	WET
Dry Weight (g)	11.69	DRY
Solids (%)	58.0	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	15.3	
n-C12	3.2	J
n-C13	3.8	J
n-C14	5.4	J
n-C15	12.6	J
n-C16	55.0	
n-C17	27.2	J
Pristane	12.1	J
n-C18	2.6	J
Phytane	1.2	J
n-C19	7.2	J
n-C20	8.6	J
n-C21	14.6	J
n-C22	13.2	J
n-C23	24.3	
n-C24	9.9	J
n-C25	61.1	
n-C26	9.4	J
n-C27	247.8	
n-C28	17.9	J
n-C29	133.7	
n-C30	10.2	J
n-C31	89.8	
n-C32	24.9	J
n-C33	37.1	
n-C34	56.1	

TOTAL AHC (ng/g)	904.1

TRUAHC (ug/g)	12.5
TOTAL RAHC (ug/g)	2.5
UCM (ug/g)	10.0

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	47.0	
C20 (Deuterated)	54.2	
C24 (Deuterated)	54.0	
C30 (Deuterated)	57.1	

Station	Survey	Replicate
GOC-S	19	2

KLI Sample ID	Lab Sample ID
PWS01PAT0005	C38073

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.24	WET
Dry Weight (g)	11.14	DRY
Solids (%)	55.0	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	30.3	
n-C12	3.5	J
n-C13	4.9	J
n-C14	7.6	J
n-C15	11.2	J
n-C16	46.6	J
n-C17	26.0	J
Pristane	15.2	J
n-C18	4.6	J
Phytane	1.6	J
n-C19	9.0	J
n-C20	6.4	J
n-C21	12.1	J
n-C22	10.9	J
n-C23	22.0	
n-C24	10.7	J
n-C25	53.3	
n-C26	15.6	
n-C27	223.4	
n-C28	16.4	J
n-C29	97.5	
n-C30	7.2	J
n-C31	84.9	
n-C32	30.2	
n-C33	39.5	
n-C34	42.5	

TOTAL AHC (ng/g)	832.8

TRUAHC (ug/g)	10.3
TOTAL RAHC (ug/g)	2.6
UCM (ug/g)	7.7

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	44.8	
C20 (Deuterated)	66.4	
C24 (Deuterated)	63.7	
C30 (Deuterated)	66.2	

Station	Survey	Replicate
GOC-S	19	3

KLI Sample ID	Lab Sample ID
PWS01PAT0006	C38074

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3076

Wet Weight (g)	20.30	WET
Dry Weight (g)	11.70	DRY
Solids (%)	57.6	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	0	ND
n-C14	2.1	J
n-C15	20.0	J
n-C16	48.3	
n-C17	25.5	J
Pristane	23.8	J
n-C18	9.1	J
Phytane	1.3	J
n-C19	12.8	J
n-C20	12.3	J
n-C21	18.0	J
n-C22	17.2	J
n-C23	30.1	
n-C24	15.9	J
n-C25	70.5	
n-C26	9.4	J
n-C27	248.5	
n-C28	14.3	J
n-C29	108.5	
n-C30	12.5	J
n-C31	92.8	
n-C32	18.7	J
n-C33	42.7	
n-C34	46.2	

TOTAL AHC (ng/g)	900.6

TRUAHC (ug/g)	11.2
TOTAL RAHC (ug/g)	2.4
UCM (ug/g)	8.9

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	41.3	
C20 (Deuterated)	57.3	
C24 (Deuterated)	56.0	
C30 (Deuterated)	55.4	

SURVEY 20 (JULY 2001)

Station	Survey	Replicate
AMT-S	20	1

KLI Sample ID	Lab Sample ID
PWS01PAT0010	C39508

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.13	WET
Dry Weight (g)	10.33	DRY
Solids (%)	51.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	5.4	J
n-C11	6.5	J
n-C12	3.1	J
n-C13	3.5	J
n-C14	5	J
n-C15	29.7	J
n-C16	8.9	J
n-C17	20	J
Pristane	20.1	J
n-C18	14.6	J
Phytane	15.9	
n-C19	18.5	J
n-C20	5.3	J
n-C21	68.9	
n-C22	9	J
n-C23	33.9	
n-C24	14.3	J
n-C25	29.7	
n-C26	23.6	
n-C27	115.3	
n-C28	49	
n-C29	79.2	
n-C30	51.7	
n-C31	123.8	
n-C32	79.5	
n-C33	106.9	
n-C34	102.6	

TOTAL AHC (ng/g)	1043.8

TRUAHC (ug/g)	48
TOTAL RAHC (ug/g)	3.6
UCM (ug/g)	44.4

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	44	
C20 (Deuterated)	73	
C24 (Deuterated)	71	
C30 (Deuterated)	77	

Station	Survey	Replicate
AMT-S	20	2

KLI Sample ID	Lab Sample ID
PWS01PAT0011	C39509

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.07	WET
Dry Weight (g)	9.48	DRY
Solids (%)	47.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	17.1	
n-C11	15.2	J
n-C12	2.5	J
n-C13	4.4	J
n-C14	6.3	J
n-C15	8.9	J
n-C16	5.5	J
n-C17	23.8	J
Pristane	25.6	J
n-C18	16.7	J
Phytane	20.3	
n-C19	22.4	J
n-C20	11.2	J
n-C21	54.4	
n-C22	11	J
n-C23	28.2	
n-C24	11.9	J
n-C25	41.3	
n-C26	30.7	
n-C27	154.7	
n-C28	55.1	
n-C29	108.5	
n-C30	64.3	
n-C31	144.9	
n-C32	113.9	
n-C33	150.1	
n-C34	126.6	

TOTAL AHC (ng/g)	1275.4

TRUAHC (ug/g)	71.8
TOTAL RAHC (ug/g)	4
UCM (ug/g)	67.8

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	64	
C20 (Deuterated)	74	
C24 (Deuterated)	70	
C30 (Deuterated)	88	

Station	Survey	Replicate
AMT-S	20	3

KLI Sample ID	Lab Sample ID
PWS01PAT0012	C39510

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.11	WET
Dry Weight (g)	9.69	DRY
Solids (%)	48.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	13.5	J
n-C13	30.1	
n-C14	45.6	
n-C15	47.2	
n-C16	55.9	
n-C17	72.3	
Pristane	83.9	
n-C18	50.2	J
Phytane	61.5	
n-C19	89.7	
n-C20	77.1	
n-C21	129.2	
n-C22	50.8	
n-C23	76.6	
n-C24	44.2	
n-C25	66.1	
n-C26	55.6	
n-C27	156.4	
n-C28	59.5	
n-C29	113.7	
n-C30	64.7	
n-C31	133	
n-C32	113.3	
n-C33	142.6	
n-C34	136	

TOTAL AHC (ng/g)	1968.6

TRUAHC (ug/g)	88.6
TOTAL RAHC (ug/g)	8.2
UCM (ug/g)	80.4

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	53	
C20 (Deuterated)	82	
C24 (Deuterated)	84	
C30 (Deuterated)	111	

Station	Survey	Replicate
GOC-S	20	1

KLI Sample ID	Lab Sample ID
PWS01PAT0007	C39505

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	21.24	WET
Dry Weight (g)	12.17	DRY
Solids (%)	57.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	8.4	
n-C11	13.4	
n-C12	1.7	J
n-C13	0	ND
n-C14	7.4	J
n-C15	3.1	J
n-C16	2.8	J
n-C17	6	J
Pristane	16.3	J
n-C18	9	J
Phytane	0	ND
n-C19	2.6	J
n-C20	8.6	J
n-C21	6.2	J
n-C22	4	J
n-C23	8.8	J
n-C24	7.7	J
n-C25	15.3	
n-C26	6	J
n-C27	71.3	
n-C28	19.7	J
n-C29	39.8	
n-C30	8.4	J
n-C31	24.6	
n-C32	5.3	J
n-C33	11.7	
n-C34	2.7	J

TOTAL AHC (ng/g) 310.6

TRUAHC (ug/g)	1.2	
TOTAL RAHC (ug/g)	1.2	
UCM (ug/g)	0	ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	43	
C20 (Deuterated)	53	
C24 (Deuterated)	52	
C30 (Deuterated)	49	

Station	Survey	Replicate
GOC-S	20	2

KLI Sample ID	Lab Sample ID
PWS01PAT0008	C39506

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.12	WET
Dry Weight (g)	11.66	DRY
Solids (%)	58	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	8.6	J
n-C12	9.2	J
n-C13	3.7	J
n-C14	2.8	J
n-C15	7	J
n-C16	6.9	J
n-C17	13.3	J
Pristane	15.4	J
n-C18	6.5	J
Phytane	1.5	J
n-C19	7.3	J
n-C20	4.5	J
n-C21	17.2	J
n-C22	6.7	J
n-C23	16.6	J
n-C24	7.7	J
n-C25	31	
n-C26	8.1	J
n-C27	152.9	
n-C28	11.5	J
n-C29	62.2	
n-C30	9.8	J
n-C31	53.6	
n-C32	11.4	J
n-C33	25.7	
n-C34	4.5	J

TOTAL AHC (ng/g) 505.4

TRUAHC (ug/g)	3.2	
TOTAL RAHC (ug/g)	1.5	
UCM (ug/g)	1.7	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	44	
C20 (Deuterated)	79	
C24 (Deuterated)	74	
C30 (Deuterated)	73	

Station	Survey	Replicate
GOC-S	20	3

KLI Sample ID	Lab Sample ID
PWS01PAT0009	C39507

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3105

Wet Weight (g)	20.31	WET
Dry Weight (g)	12.19	DRY
Solids (%)	60	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	2.4	J
n-C12	1.6	J
n-C13	2.2	J
n-C14	3.6	J
n-C15	5.6	J
n-C16	5.2	J
n-C17	9.9	J
Pristane	5.2	J
n-C18	6.8	J
Phytane	6.1	J
n-C19	6.8	J
n-C20	3.2	J
n-C21	22.1	J
n-C22	6.1	J
n-C23	20.9	
n-C24	8.1	J
n-C25	259	
n-C26	16.5	
n-C27	2238.4	
n-C28	20.4	J
n-C29	262.3	
n-C30	8.5	J
n-C31	46.2	
n-C32	6.6	J
n-C33	17.7	
n-C34	1.5	J

TOTAL AHC (ng/g) 2992.8

TRUAHC (ug/g)	5.7	
TOTAL RAHC (ug/g)	5.5	
UCM (ug/g)	0.2	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	43	
C20 (Deuterated)	72	
C24 (Deuterated)	74	
C30 (Deuterated)	70	

SURVEY 22 (MARCH 2002)

Station	Survey	Replicate
AMT-S	22	1

KLI Sample ID	Lab Sample ID
PWS02PAT0004	C41082

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.44	WET
Wet Weight (re-extr	20.06	WET
Dry Weight (g)	9.91	DRY
Dry Weight (re-extr	9.72	DRY
Solids (%)	48.5	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	69.5	
n-C11	36.5	
n-C12	19.8	J
n-C13	5.6	J
n-C14	15.6	
n-C15	30.2	J
n-C16	11.1	J
n-C17	59.4	
Pristane	36.0	
n-C18	16.0	J
Phytane	29.1	
n-C19	36.3	
n-C20	0	ND
n-C21	50.0	
n-C22	50.4	
n-C23	106.0	
n-C24	40.8	
n-C25	64.8	
n-C26	37.3	
n-C27	274.8	
n-C28	75.1	
n-C29	294.7	
n-C30	188.9	
n-C31	340.0	
n-C32	219.1	
n-C33	110.9	
n-C34	290.0	

TOTAL AHC (ng/g) 2507.7

TRUAHC (ug/g)	13.12
TOTAL RAHC (ug/g)	0.74
UCM (ug/g)	12.38

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	49.0	
C20 (Deuterated)	80.0	
C24 (Deuterated)	78.0	
C30 (Deuterated)	121.0	M

Station	Survey	Replicate
AMT-S	22	2

KLI Sample ID	Lab Sample ID
PWS02PAT0005	C41083

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.10	WET
Wet Weight (re-extr	20.11	WET
Dry Weight (g)	11.47	DRY
Dry Weight (re-extr	11.48	DRY
Solids (%)	57.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	40.1	
n-C11	44.1	
n-C12	4.1	J
n-C13	6.4	J
n-C14	16.2	
n-C15	22.4	J
n-C16	10.7	J
n-C17	50.1	
Pristane	38.6	
n-C18	14.8	J
Phytane	25.9	
n-C19	39.8	
n-C20	28.8	J
n-C21	49.4	
n-C22	38.1	
n-C23	104.6	
n-C24	49.1	
n-C25	62.1	
n-C26	37.9	
n-C27	228.7	
n-C28	44.5	
n-C29	226.3	
n-C30	154.6	
n-C31	349.7	
n-C32	200.1	
n-C33	288.0	
n-C34	276.4	

TOTAL AHC (ng/g) 2451.5

TRUAHC (ug/g)	20.45
TOTAL RAHC (ug/g)	0.80
UCM (ug/g)	19.65

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	39.0	Q
C20 (Deuterated)	82.0	
C24 (Deuterated)	76.0	
C30 (Deuterated)	136.0	M

Station	Survey	Replicate
AMT-S	22	3

KLI Sample ID	Lab Sample ID
PWS02PAT0006	C41084

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.16	WET
Wet Weight (re-extr	20.01	WET
Dry Weight (g)	9.63	DRY
Dry Weight (re-extr	9.55	DRY
Solids (%)	47.7	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	62.3	
n-C11	57.0	
n-C12	5.3	J
n-C13	6.8	J
n-C14	20.6	
n-C15	35.2	J
n-C16	11.5	J
n-C17	69.2	
Pristane	46.7	
n-C18	18.7	J
Phytane	30.0	
n-C19	42.6	
n-C20	42.4	
n-C21	59.2	
n-C22	61.1	
n-C23	130.2	
n-C24	76.2	
n-C25	101.7	
n-C26	54.6	
n-C27	325.9	
n-C28	87.8	
n-C29	327.2	
n-C30	323.9	
n-C31	521.1	
n-C32	290.4	
n-C33	313.9	
n-C34	392.6	

TOTAL AHC (ng/g) 3514.1

TRUAHC (ug/g)	19.82
TOTAL RAHC (ug/g)	0.79
UCM (ug/g)	19.03

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	49.0	
C20 (Deuterated)	62.0	
C24 (Deuterated)	60.0	
C30 (Deuterated)	118.0	

Station	Survey	Replicate
GOC-S	22	1

KLI Sample ID	Lab Sample ID
PWS02PAT0002	C41080

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.40	WET
Wet Weight (re-extr	20.01	WET
Dry Weight (g)	11.27	DRY
Dry Weight (re-extr	11.05	DRY
Solids (%)	55.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	41.4	
n-C11	29.5	
n-C12	3.7	J
n-C13	5.7	J
n-C14	9.7	
n-C15	19.7	J
n-C16	7.0	J
n-C17	13.7	J
Pristane	13.9	J
n-C18	9.0	J
Phytane	4.8	J
n-C19	14.8	J
n-C20	29.5	J
n-C21	168.3	
n-C22	173.3	
n-C23	41.3	
n-C24	14.1	J
n-C25	80.6	
n-C26	24.9	
n-C27	387.5	
n-C28	23.2	J
n-C29	232.8	
n-C30	0	ND
n-C31	167.6	
n-C32	18.4	J
n-C33	34.0	
n-C34	0	ND

TOTAL AHC (ng/g) 1568.0

TRUAHC (ug/g)	3.50
TOTAL RAHC (ug/g)	0.64
UCM (ug/g)	2.85

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	46.0	
C20 (Deuterated)	61.0	
C24 (Deuterated)	56.0	
C30 (Deuterated)	91.0	

Station	Survey	Replicate
GOC-S	22	2

KLI Sample ID	Lab Sample ID
PWS02PAT0003	C41081

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.06	WET
Wet Weight (re-extr	20.08	WET
Dry Weight (g)	10.93	DRY
Dry Weight (re-extr	10.94	DRY
Solids (%)	54.5	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	31.6	
n-C11	39.8	
n-C12	15.0	J
n-C13	3.0	J
n-C14	12.4	
n-C15	22.1	J
n-C16	8.5	J
n-C17	38.4	
Pristane	21.6	J
n-C18	10.2	J
Phytane	4.3	J
n-C19	15.8	J
n-C20	17.0	J
n-C21	21.7	J
n-C22	24.0	J
n-C23	34.8	
n-C24	11.7	J
n-C25	70.6	
n-C26	25.7	
n-C27	328.4	
n-C28	28.6	
n-C29	188.7	
n-C30	0	ND
n-C31	140.7	
n-C32	21.5	J
n-C33	28.5	
n-C34	0	ND

TOTAL AHC (ng/g) 1164.5

TRUAHC (ug/g)	2.19
TOTAL RAHC (ug/g)	0.43
UCM (ug/g)	1.76

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	54.0	
C20 (Deuterated)	72.0	
C24 (Deuterated)	66.0	
C30 (Deuterated)	98.0	

Station	Survey	Replicate
GOC-S	22	3

KLI Sample ID	Lab Sample ID
PWS02PAT0007	C41085

Matrix	SEDIMENT
Sample Type	SAMP
Batch	M3223

Wet Weight (g)	20.36	WET
Wet Weight (re-extr	20.14	WET
Dry Weight (g)	12.03	DRY
Dry Weight (re-extr	11.90	DRY
Solids (%)	59.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	34.1	
n-C11	40.0	
n-C12	2.0	J
n-C13	2.8	J
n-C14	11.8	
n-C15	22.5	J
n-C16	7.2	J
n-C17	16.2	J
Pristane	26.5	
n-C18	11.0	J
Phytane	4.5	J
n-C19	19.5	J
n-C20	8.0	J
n-C21	27.3	J
n-C22	41.0	
n-C23	39.0	
n-C24	14.0	J
n-C25	100.3	
n-C26	27.8	
n-C27	420.8	
n-C28	25.2	J
n-C29	261.1	
n-C30	0	ND
n-C31	190.4	
n-C32	0	ND
n-C33	54.4	
n-C34	0	ND

TOTAL AHC (ng/g) 1407.0

TRUAHC (ug/g)	8.08
TOTAL RAHC (ug/g)	0.78
UCM (ug/g)	7.30

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	44.0	
C20 (Deuterated)	60.0	
C24 (Deuterated)	58.0	
C30 (Deuterated)	92.0	

APPENDIX B

Sediment Results

4.0 PGS Data

Particle Grain Size Results

SURVEY	STN_ID	REP	SAMPLE ID	LABSAMP ID	BATCH ID	ANALYTE	ANAL_TY	VALUE	UNIT
17	AMT-S	1	PWS00PGS0010	C36263	9/10/00	SAND	PGS	2.7	%
					9/10/00	SILT	PGS	46	%
					9/10/00	CLAY	PGS	51.3	%
		2	PWS00PGS0011	C36264	9/10/00	SAND	PGS	10	%
					9/10/00	SILT	PGS	40.2	%
					9/10/00	CLAY	PGS	49.9	%
		3	PWS00PGS0012	C36265	9/10/00	SAND	PGS	3	%
					9/10/00	SILT	PGS	46.5	%
					9/10/00	CLAY	PGS	50.5	%
	GOC-S	1	PWS00PGS0007	C36260	9/10/00	SAND	PGS	8.2	%
					9/10/00	SILT	PGS	51.8	%
					9/10/00	CLAY	PGS	40	%
		2	PWS00PGS0008	C36261	9/10/00	SAND	PGS	11.4	%
					9/10/00	SILT	PGS	47.8	%
					9/10/00	CLAY	PGS	40.8	%
		3	PWS00PGS0009	C36262	9/10/00	SAND	PGS	9.5	%
					9/10/00	SILT	PGS	52.5	%
					9/10/00	CLAY	PGS	38.1	%
19	AMT-S	1	PWS01PGS0001	C38033	5/22/01	SAND	PGS	5.4	%
					5/22/01	SILT	PGS	44.7	%
					5/22/01	CLAY	PGS	49.9	%
		2	PWS01PGS0002	C38034	5/22/01	SAND	PGS	5.2	%
					5/22/01	SILT	PGS	44.8	%
					5/22/01	CLAY	PGS	50.0	%
		3	PWS01PGS0003	C38035	5/22/01	SAND	PGS	3.9	%
					5/22/01	SILT	PGS	47.7	%
					5/22/01	CLAY	PGS	48.4	%
	GOC-S	1	PWS01PGS0004	C38036	5/22/01	SAND	PGS	16.2	%
					5/22/01	SILT	PGS	47.2	%
					5/22/01	CLAY	PGS	36.6	%
		2	PWS01PGS0005	C38037	5/22/01	SAND	PGS	12.1	%
					5/22/01	SILT	PGS	49.7	%
					5/22/01	CLAY	PGS	38.2	%
		3	PWS01PGS0006	C38038	5/22/01	SAND	PGS	13.0	%
					5/22/01	SILT	PGS	49.8	%
					5/22/01	CLAY	PGS	37.1	%

Particle Grain Size Results

SURVEY	STN_ID	REP	SAMPLE ID	LABSAMP ID	BATCH ID	ANALYTE	ANAL_TY	VALUE	UNIT
20	AMT-S	1	PWS01PGS0010	C39447	9/11/2001	SAND	PGS	7.1	%
					9/11/2001	SILT	PGS	46	%
					9/11/2001	CLAY	PGS	46.9	%
		2	PWS01PGS0011	C39448	9/11/2001	SAND	PGS	4.5	%
					9/11/2001	SILT	PGS	45.5	%
					9/11/2001	CLAY	PGS	50	%
		3	PWS01PGS0012	C39449	9/11/2001	SAND	PGS	3.6	%
					9/11/2001	SILT	PGS	47.3	%
					9/11/2001	CLAY	PGS	49.1	%
	GOC-S	1	PWS01PGS0007	C39444	9/11/2001	SAND	PGS	10.7	%
					9/11/2001	SILT	PGS	49.1	%
					9/11/2001	CLAY	PGS	40.3	%
		2	PWS01PGS0008	C39445	9/11/2001	SAND	PGS	11	%
					9/11/2001	SILT	PGS	49.7	%
					9/11/2001	CLAY	PGS	39.2	%
		3	PWS01PGS0009	C39446	9/11/2001	SAND	PGS	16	%
					9/11/2001	SILT	PGS	48.8	%
					9/11/2001	CLAY	PGS	35.2	%
22	AMT-S	1	PWS02PGS0004	C41088	4/24/2002	SAND	PGS	4.6	%
					4/24/2002	SILT	PGS	49.5	%
					4/24/2002	CLAY	PGS	45.9	%
		2	PWS02PGS0005	C41089	4/24/2002	SAND	PGS	6.9	%
					4/24/2002	SILT	PGS	48.1	%
					4/24/2002	CLAY	PGS	45.0	%
		3	PWS02PGS0006	C41090	4/24/2002	SAND	PGS	4.6	%
					4/24/2002	SILT	PGS	49.6	%
					4/24/2002	CLAY	PGS	45.8	%
	GOC-S	1	PWS02PGS0002	C41086	4/24/2002	SAND	PGS	16.7	%
					4/24/2002	SILT	PGS	47.2	%
					4/24/2002	CLAY	PGS	36.1	%
		2	PWS02PGS0003	C41087	4/24/2002	SAND	PGS	10.6	%
					4/24/2002	SILT	PGS	50.4	%
					4/24/2002	CLAY	PGS	39.0	%
		3	PWS02PGS0007	C41091	4/24/2002	SAND	PGS	14.5	%
					4/24/2002	SILT	PGS	49.7	%
					4/24/2002	CLAY	PGS	35.8	%

APPENDIX C

Tissue Quality Control Results

1.0 Procedural Blanks

QC Sample Type	Lab Sample ID
PROC BLANK	Q18940

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	TISSUE
Batch	T1168
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	6.4	J
C1-Naphthalenes	6.3	J
C2-Naphthalenes	5.4	J
C3-Naphthalenes	3.0	J
C4-Naphthalenes	2.7	J
Biphenyl	3.7	J
Acenaphthylene	0.5	J
Acenaphthene	0.3	J
Fluorene	1.4	J
C1-Fluorenes	0.2	J
C2-Fluorenes	0.1	J
C3-Fluorenes	0.1	J
Anthracene	0.8	J
Phenanthrene	2.1	J
C1-Phen/Anthracenes	2.0	J
C2-Phen/Anthracenes	0.9	J
C3-Phen/Anthracenes	0.3	J
C4-Phen/Anthracenes	0.0	ND
Dibenzothiophene	1.0	J
C1-Dibenzothiophenes	0.4	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	1.4	J
Pyrene	1.3	J
C1-Fluoranthenes/Pyrenes	1.0	J
Benzo(a)anthracene	0.9	J
Chrysene	1.7	J
C1-Chrysenes	0.7	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.0	ND
C4-Chrysenes	2.3	J
Benzo(b)fluoranthene	1.3	J
Benzo(k)fluoranthene	0.8	J
Benzo(e)pyrene	1.9	J
Benzo(a)pyrene	1.4	J
Perylene	1.9	J
Indeno(1,2,3-c,d)pyrene	2.9	J
Dibenzo(a,h)anthracene	1.1	J
Benzo(g,h,i)perylene	13.3	<3xMDL
TOTAL PAH (ng/g) (Excluding Perylene)	69.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.9	J
2-Methylnaphthalene	3.4	J
2,6-Dimethylnaphthalene	2.4	J
1,6,7-Trimethylnaphthalene	1.4	J
1-Methylphenanthrene	1.3	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	79.9	
Acenapthene-D10	76.2	
Phenanthrene-D10	81.2	
Chrysene-D12	66.1	
Perylene-D12	48.1	

QC Sample Type	Lab Sample ID
PROC BLANK	Q18946

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	TISSUE
Batch	T1169
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	5.1	J
C1-Naphthalenes	4.9	J
C2-Naphthalenes	9.5	J
C3-Naphthalenes	7.4	J
C4-Naphthalenes	0.3	J
Biphenyl	5.1	J
Acenaphthylene	1.2	J
Acenaphthene	0.7	J
Fluorene	2.0	J
C1-Fluorenes	0.2	J
C2-Fluorenes	1.9	J
C3-Fluorenes	4.1	J
Anthracene	1.4	J
Phenanthrene	2.5	J
C1-Phen/Anthracenes	2.8	J
C2-Phen/Anthracenes	1.3	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	0.9	J
C1-Dibenzothiophenes	0.0	ND
C2-Dibenzothiophenes	0.0	ND
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	2.3	J
Pyrene	2.4	J
C1-Fluoranthenes/Pyrenes	0.0	ND
Benzo(a)anthracene	0.5	J
Chrysene	1.0	J
C1-Chrysenes	0.0	ND
C2-Chrysenes	0.1	J
C3-Chrysenes	0.0	ND
C4-Chrysenes	0.0	ND
Benzo(b)fluoranthene	0.2	J
Benzo(k)fluoranthene	0.3	J
Benzo(e)pyrene	1.1	J
Benzo(a)pyrene	1.0	J
Perylene	1.4	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	1.9	J
TOTAL PAH (ng/g) (Excluding Perylene)	62.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.0	J
2-Methylnaphthalene	2.9	J
2,6-Dimethylnaphthalene	7.5	J
1,6,7-Trimethylnaphthalene	3.3	J
1-Methylphenanthrene	1.6	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	63.6	
Acenapthene-D10	61.1	
Phenanthrene-D10	65.5	
Chrysene-D12	45.4	
Perylene-D12	63.5	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19158

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	TISSUE
Batch	T1198
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3.8	J
C1-Naphthalenes	4.7	J
C2-Naphthalenes	3.7	J
C3-Naphthalenes	5.5	J
C4-Naphthalenes	0.1	J
Biphenyl	1.8	J
Acenaphthylene	0.5	J
Acenaphthene	1.4	J
Fluorene	2.9	J
C1-Fluorenes	0.6	J
C2-Fluorenes	0.6	J
C3-Fluorenes	1.4	J
Anthracene	0.1	J
Phenanthrene	2.7	J
C1-Phen/Anthracenes	1.0	J
C2-Phen/Anthracenes	0.6	J
C3-Phen/Anthracenes	1.0	J
C4-Phen/Anthracenes	0.5	J
Dibenzothiophene	0.3	J
C1-Dibenzothiophenes	0.3	J
C2-Dibenzothiophenes	0.6	J
C3-Dibenzothiophenes	0.5	J
Fluoranthene	1.4	J
Pyrene	1.1	J
C1-Fluoranthenes/Pyrenes	1.2	J
Benzo(a)anthracene	0.8	J
Chrysene	0.4	J
C1-Chrysenes	0.0	ND
C2-Chrysenes	0.3	J
C3-Chrysenes	0.3	J
C4-Chrysenes	0.4	J
Benzo(b)fluoranthene	0.3	J
Benzo(k)fluoranthene	1.4	J
Benzo(e)pyrene	0.5	J
Benzo(a)pyrene	0.3	J
Perylene	0.7	J
Indeno(1,2,3-c,d)pyrene	0.6	J
Dibenzo(a,h)anthracene	1.4	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	45.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.8	J
2-Methylnaphthalene	2.9	J
2,6-Dimethylnaphthalene	1.8	J
1,6,7-Trimethylnaphthalene	1.6	J
1-Methylphenanthrene	0.4	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	71.8	
Acenapthene-D10	76.5	
Phenanthrene-D10	83.8	
Chrysene-D12	83.3	
Perylene-D12	66.5	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19503

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1234
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	12.1	<3xMDL
C1-Naphthalenes	8.3	J
C2-Naphthalenes	3.3	J
C3-Naphthalenes	1.4	J
C4-Naphthalenes	0.1	J
Biphenyl	8.2	<3xMDL
Acenaphthylene	0.9	J
Acenaphthene	0.7	J
Fluorene	7.2	J
C1-Fluorenes	3.9	J
C2-Fluorenes	1.1	J
C3-Fluorenes	0.3	J
Anthracene	0.7	J
Phenanthrene	5.4	J
C1-Phen/Anthracenes	2.9	J
C2-Phen/Anthracenes	0.7	J
C3-Phen/Anthracenes	0.2	J
C4-Phen/Anthracenes	0.2	J
Dibenzothiophene	0.3	J
C1-Dibenzothiophenes	0	ND
C2-Dibenzothiophenes	0.2	J
C3-Dibenzothiophenes	0	ND
Fluoranthene	1.7	J
Pyrene	1.1	J
C1-Fluoranthenes/Pyrenes	0.4	J
Benzo(a)anthracene	0.8	J
Chrysene	1.6	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.2	J
C3-Chrysenes	0	ND
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.9	J
Benzo(k)fluoranthene	0.5	J
Benzo(e)pyrene	0.2	J
Benzo(a)pyrene	0.5	J
Perylene	0.5	J
Indeno(1,2,3-c,d)pyrene	0	ND
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.5	J
TOTAL PAH (ng/g) (Excluding Perylene)	66.8	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	3.1	J
2-Methylnaphthalene	5.2	<3xM
2,6-Dimethylnaphthalene	2.1	J
1,6,7-Trimethylnaphthalene	1.6	J
1-Methylphenanthrene	0.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	51.4	
Acenapthene-D10	53	
Phenanthrene-D10	69.9	
Chrysene-D12	63.8	
Perylene-D12	60.5	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19521

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1236
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	3	J
C1-Naphthalenes	4.3	J
C2-Naphthalenes	2.3	J
C3-Naphthalenes	2.4	J
C4-Naphthalenes	0	ND
Biphenyl	1.8	J
Acenaphthylene	0.2	J
Acenaphthene	0.6	J
Fluorene	1.8	J
C1-Fluorenes	2.2	J
C2-Fluorenes	1.0	J
C3-Fluorenes	0.4	J
Anthracene	0.6	J
Phenanthrene	2.1	J
C1-Phen/Anthracenes	1.9	J
C2-Phen/Anthracenes	1.4	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0	ND
Dibenzothiophene	0.3	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	0.1	J
Fluoranthene	1.0	J
Pyrene	0.9	J
C1-Fluoranthenes/Pyrenes	0.1	J
Benzo(a)anthracene	0.4	J
Chrysene	0.9	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	0.5	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	0.7	J
Benzo(a)pyrene	0.2	J
Perylene	0.6	J
Indeno(1,2,3-c,d)pyrene	0.7	J
Dibenzo(a,h)anthracene	0.4	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	33.5	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.6	J
2-Methylnaphthalene	2.7	J
2,6-Dimethylnaphthalene	1.2	J
1,6,7-Trimethylnaphthalene	1.6	J
1-Methylphenanthrene	0.6	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	73.2	
Acenapthene-D10	77.6	
Phenanthrene-D10	85.8	
Chrysene-D12	59.7	
Perylene-D12	77.3	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19625

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1246
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	0.3	J
C1-Naphthalenes	0.3	J
C2-Naphthalenes	0.2	J
C3-Naphthalenes	0.1	J
C4-Naphthalenes	0	ND
Biphenyl	0.6	J
Acenaphthylene	0	ND
Acenaphthene	0.1	J
Fluorene	0.2	J
C1-Fluorenes	0.3	J
C2-Fluorenes	0	ND
C3-Fluorenes	0.1	J
Anthracene	0	ND
Phenanthrene	0.2	J
C1-Phen/Anthracenes	0.1	J
C2-Phen/Anthracenes	0.1	J
C3-Phen/Anthracenes	0	ND
C4-Phen/Anthracenes	0	ND
Dibenzothiophene	0	ND
C1-Dibenzothiophenes	0	ND
C2-Dibenzothiophenes	0	ND
C3-Dibenzothiophenes	0	ND
Fluoranthene	0.1	J
Pyrene	0.1	J
C1-Fluoranthenes/Pyrenes	0	ND
Benzo(a)anthracene	0	ND
Chrysene	0	ND
C1-Chrysenes	0.2	J
C2-Chrysenes	0	ND
C3-Chrysenes	0	ND
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	0.1	J
Benzo(k)fluoranthene	0.1	J
Benzo(e)pyrene	0	ND
Benzo(a)pyrene	0.1	J
Perylene	0.1	J
Indeno(1,2,3-c,d)pyrene	0	ND
Dibenzo(a,h)anthracene	0	ND
Benzo(g,h,i)perylene	0	ND
TOTAL PAH (ng/g) (Excluding Perylene)	3.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	0.1	J
2-Methylnaphthalene	0.2	J
2,6-Dimethylnaphthalene	0.1	J
1,6,7-Trimethylnaphthalene	0.1	J
1-Methylphenanthrene	0.1	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	87.9	
Acenapthene-D10	85.1	
Phenanthrene-D10	86.6	
Chrysene-D12	80.9	
Perylene-D12	51.7	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19836

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1259
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	6.2	J
C1-Naphthalenes	3.5	J
C2-Naphthalenes	2.0	J
C3-Naphthalenes	0.1	J
C4-Naphthalenes	0.2	J
Biphenyl	11.8	<3xMDL
Acenaphthylene	0.3	J
Acenaphthene	0.7	J
Fluorene	2.5	J
C1-Fluorenes	0.3	J
C2-Fluorenes	0.2	J
C3-Fluorenes	0.2	J
Anthracene	1.1	J
Phenanthrene	3.9	J
C1-Phen/Anthracenes	1.2	J
C2-Phen/Anthracenes	0.9	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0.0	ND
Dibenzothiophene	0.4	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	0.0	ND
C3-Dibenzothiophenes	0.1	J
Fluoranthene	0.6	J
Pyrene	0.7	J
C1-Fluoranthenes/Pyrenes	0.1	J
Benzo(a)anthracene	0.4	J
Chrysene	0.5	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.1	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	0.3	J
Benzo(a)pyrene	0.4	J
Perylene	0.3	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.3	J
Benzo(g,h,i)perylene	0.2	J
TOTAL PAH (ng/g) (Excluding Perylene)	39.9	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.5	J
2-Methylnaphthalene	2.0	J
2,6-Dimethylnaphthalene	0.9	J
1,6,7-Trimethylnaphthalene	0.3	J
1-Methylphenanthrene	0.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.7	
Acenapthene-D10	48.6	
Phenanthrene-D10	49.9	
Chrysene-D12	52.2	
Perylene-D12	25.3	Q

QC Sample Type	Lab Sample ID
PROC BLANK	Q19850

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1261
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	5.9	J
C1-Naphthalenes	3.7	J
C2-Naphthalenes	3.4	J
C3-Naphthalenes	0.2	J
C4-Naphthalenes	0.4	J
Biphenyl	4.5	J
Acenaphthylene	0.3	J
Acenaphthene	0.6	J
Fluorene	2.2	J
C1-Fluorenes	0.4	J
C2-Fluorenes	0.5	J
C3-Fluorenes	0.6	J
Anthracene	0.9	J
Phenanthrene	4.1	J
C1-Phen/Anthracenes	2.2	J
C2-Phen/Anthracenes	0.6	J
C3-Phen/Anthracenes	0.2	J
C4-Phen/Anthracenes	0.3	J
Dibenzothiophene	0.7	J
C1-Dibenzothiophenes	0.2	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	1.1	J
Pyrene	1.1	J
C1-Fluoranthenes/Pyrenes	0.2	J
Benzo(a)anthracene	0.9	J
Chrysene	0.8	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.1	J
Benzo(k)fluoranthene	0.0	ND
Benzo(e)pyrene	0.1	J
Benzo(a)pyrene	0.2	J
Perylene	0.2	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.1	J
TOTAL PAH (ng/g) (Excluding Perylene)	37.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	1.9	J
2-Methylnaphthalene	1.8	J
2,6-Dimethylnaphthalene	1.2	J
1,6,7-Trimethylnaphthalene	0.8	J
1-Methylphenanthrene	0.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	68.9	
Acenapthene-D10	73.2	
Phenanthrene-D10	75.9	
Chrysene-D12	81.2	
Perylene-D12	45.2	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20134

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	TISSUE
Batch	T1282
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	5.5	J
C1-Naphthalenes	6.4	J
C2-Naphthalenes	2.4	J
C3-Naphthalenes	0.1	J
C4-Naphthalenes	0.1	J
Biphenyl	12.3	J
Acenaphthylene	1.1	J
Acenaphthene	0.1	J
Fluorene	4.9	J
C1-Fluorenes	1.4	J
C2-Fluorenes	0.8	J
C3-Fluorenes	0.8	J
Anthracene	2.3	J
Phenanthrene	4.3	J
C1-Phen/Anthracenes	0	ND
C2-Phen/Anthracenes	0	ND
C3-Phen/Anthracenes	0	ND
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	1.5	J
C1-Dibenzothiophenes	0	ND
C2-Dibenzothiophenes	0	ND
C3-Dibenzothiophenes	0	ND
Fluoranthene	3.1	J
Pyrene	0.1	J
C1-Fluoranthenes/Pyrenes	0	ND
Benzo(a)anthracene	1.8	J
Chrysene	3.3	J
C1-Chrysenes	0	ND
C2-Chrysenes	0	ND
C3-Chrysenes	0	ND
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.4	J
Benzo(k)fluoranthene	1.0	J
Benzo(e)pyrene	1.8	J
Benzo(a)pyrene	1.7	J
Perylene	3.7	J
Indeno(1,2,3-c,d)pyrene	0.9	J
Dibenzo(a,h)anthracene	0.8	J
Benzo(g,h,i)perylene	1.0	J
TOTAL PAH (ng/g) (Excluding Perylene)	60.4	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.5	J
2-Methylnaphthalene	4	J
2,6-Dimethylnaphthalene	1.5	J
1,6,7-Trimethylnaphthalene	2.4	J
1-Methylphenanthrene	2.8	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	61.1	
Acenapthene-D10	68.9	
Phenanthrene-D10	82.7	
Chrysene-D12	92.6	
Perylene-D12	54	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20344

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1309
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	1.4	J
C1-Naphthalenes	1.5	J
C2-Naphthalenes	0.4	J
C3-Naphthalenes	0.2	J
C4-Naphthalenes	0.0	ND
Biphenyl	0.5	J
Acenaphthylene	0.1	J
Acenaphthene	0.1	J
Fluorene	0.3	J
C1-Fluorenes	0.1	J
C2-Fluorenes	0.0	ND
C3-Fluorenes	0.0	ND
Anthracene	0.1	J
Phenanthrene	0.3	J
C1-Phen/Anthracenes	0.0	ND
C2-Phen/Anthracenes	0.0	ND
C3-Phen/Anthracenes	0.0	ND
C4-Phen/Anthracenes	0.0	ND
Dibenzothiophene	0.1	J
C1-Dibenzothiophenes	0.0	ND
C2-Dibenzothiophenes	0.0	ND
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	0.1	J
Pyrene	0.1	J
C1-Fluoranthenes/Pyrenes	0.0	ND
Benzo(a)anthracene	0.1	J
Chrysene	0.1	J
C1-Chrysenes	0.0	ND
C2-Chrysenes	0.0	ND
C3-Chrysenes	0.0	ND
C4-Chrysenes	0.0	ND
Benzo(b)fluoranthene	0.1	J
Benzo(k)fluoranthene	0.1	J
Benzo(e)pyrene	0.1	J
Benzo(a)pyrene	0.1	J
Perylene	0.1	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.0	ND
TOTAL PAH (ng/g) (Excluding Perylene)	6.0	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	0.6	J
2-Methylnaphthalene	0.9	J
2,6-Dimethylnaphthalene	0.2	J
1,6,7-Trimethylnaphthalene	0.1	J
1-Methylphenanthrene	0.1	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	51.2	
Acenapthene-D10	61.3	
Phenanthrene-D10	76.7	
Chrysene-D12	78.8	
Perylene-D12	35.4	Q

QC Sample Type	Lab Sample ID
PROC BLANK	Q20354

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1310
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	13.8	J
C1-Naphthalenes	9.0	J
C2-Naphthalenes	5.3	J
C3-Naphthalenes	1.3	J
C4-Naphthalenes	0.3	J
Biphenyl	7.5	J
Acenaphthylene	2.1	J
Acenaphthene	1.0	J
Fluorene	4.2	J
C1-Fluorenes	0.7	J
C2-Fluorenes	0.0	ND
C3-Fluorenes	1.0	J
Anthracene	2.4	J
Phenanthrene	6.2	J
C1-Phen/Anthracenes	3.4	J
C2-Phen/Anthracenes	0.1	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	0.9	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	0.2	J
C3-Dibenzothiophenes	0.1	J
Fluoranthene	2.6	J
Pyrene	2.4	J
C1-Fluoranthenes/Pyrenes	0.4	J
Benzo(a)anthracene	2.0	J
Chrysene	2.8	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.2	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	2.2	J
Benzo(k)fluoranthene	1.3	J
Benzo(e)pyrene	2.4	J
Benzo(a)pyrene	2.4	J
Perylene	2.0	J
Indeno(1,2,3-c,d)pyrene	2.2	J
Dibenzo(a,h)anthracene	1.5	J
Benzo(g,h,i)perylene	3.0	J
TOTAL PAH (ng/g) (Excluding Perylene)	85.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.6	J
2-Methylnaphthalene	6.4	J
2,6-Dimethylnaphthalene	2.9	J
1,6,7-Trimethylnaphthalene	0.7	J
1-Methylphenanthrene	2.1	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.0	
Acenapthene-D10	54.7	
Phenanthrene-D10	68.2	
Chrysene-D12	71.7	
Perylene-D12	42.3	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20407

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	6.0	J
C1-Naphthalenes	5.8	J
C2-Naphthalenes	3.7	J
C3-Naphthalenes	0.2	J
C4-Naphthalenes	0.3	J
Biphenyl	3.5	J
Acenaphthylene	0.8	J
Acenaphthene	1.6	J
Fluorene	1.8	J
C1-Fluorenes	0.1	J
C2-Fluorenes	0.4	J
C3-Fluorenes	0.4	J
Anthracene	1.5	J
Phenanthrene	2.3	J
C1-Phen/Anthracenes	0.1	J
C2-Phen/Anthracenes	0.1	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0.2	J
Dibenzothiophene	0.9	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	0.1	J
Fluoranthene	1.6	J
Pyrene	2.1	J
C1-Fluoranthenes/Pyrenes	0.3	J
Benzo(a)anthracene	0.9	J
Chrysene	2.0	J
C1-Chrysenes	0.2	J
C2-Chrysenes	0.0	ND
C3-Chrysenes	0.0	ND
C4-Chrysenes	4.5	J
Benzo(b)fluoranthene	1.6	J
Benzo(k)fluoranthene	2.1	J
Benzo(e)pyrene	1.9	J
Benzo(a)pyrene	1.8	J
Perylene	2.4	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.1	J
TOTAL PAH (ng/g) (Excluding Perylene)	49.0	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.4	J
2-Methylnaphthalene	3.5	J
2,6-Dimethylnaphthalene	1.5	J
1,6,7-Trimethylnaphthalene	1.8	J
1-Methylphenanthrene	1.2	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	82.0	
Acenapthene-D10	90.5	
Phenanthrene-D10	86.1	
Chrysene-D12	94.6	
Perylene-D12	52.9	

QC Sample Type	Lab Sample ID
PROC BLANK	Q18940

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	TISSUE
Batch	T1168
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	0.0	ND
n-C12	0.0	ND
n-C13	0.0	ND
n-C14	5.4	J
n-C15	4.7	J
n-C16	11.9	J
n-C17	15.0	J
Pristane	13.8	J
n-C18	15.7	J
Phytane	15.7	J
n-C19	9.3	J
n-C20	0.0	ND
n-C21	0.0	ND
n-C22	0.0	ND
n-C23	7.1	J
n-C24	7.3	J
n-C25	0.0	ND
n-C26	0.0	ND
n-C27	4.5	J
n-C28	21.9	J
n-C29	0.0	ND
n-C30	0.0	ND
n-C31	5.2	J
n-C32	4.0	J
n-C33	4.8	J
n-C34	0.0	ND

TOTAL AHC (ng/g)	146.1
TRUAHC (ug/g)	4.8
TOTAL RAHC (ug/g)	0.40
UCM (ug/g)	4.4 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	76.0	
C20 (Deuterated)	82.0	
C24 (Deuterated)	76.0	
C30 (Deuterated)	72.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q18946

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	TISSUE
Batch	T1169
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	0.0	ND
n-C12	0.0	ND
n-C13	0.0	ND
n-C14	3.9	J
n-C15	30.1	<3xMDL
n-C16	16.7	J
n-C17	14.2	J
Pristane	2.2	J
n-C18	14.0	J
Phytane	14.0	J
n-C19	12.6	J
n-C20	8.8	J
n-C21	9.1	J
n-C22	7.2	J
n-C23	7.6	J
n-C24	4.7	J
n-C25	4.7	J
n-C26	7.6	J
n-C27	5.7	J
n-C28	4.9	J
n-C29	9.4	J
n-C30	0.0	ND
n-C31	2.4	J
n-C32	2.6	J
n-C33	2.8	J
n-C34	0.0	ND

TOTAL AHC (ng/g)	185.0
TRUAHC (ug/g)	19.0
TOTAL RAHC (ug/g)	5.30
UCM (ug/g)	13.7 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	75.0	
C20 (Deuterated)	79.0	
C24 (Deuterated)	80.0	
C30 (Deuterated)	79.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19158

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	TISSUE
Batch	T1198
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	0.0	ND
n-C12	0.0	ND
n-C13	11.6	J
n-C14	16.1	J
n-C15	18.2	J
n-C16	30.0	J
n-C17	34.9	J
Pristane	33.1	J
n-C18	25.1	J
Phytane	25.1	J
n-C19	26.7	J
n-C20	19.2	J
n-C21	11.8	J
n-C22	8.8	J
n-C23	7.4	J
n-C24	0.0	ND
n-C25	10.6	J
n-C26	5.4	J
n-C27	5.5	J
n-C28	27.3	J
n-C29	0.0	ND
n-C30	7.8	J
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	324.8

TRUAHC (ug/g)	13.0	
TOTAL RAHC (ug/g)	3.72	
UCM (ug/g)	9.27	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	76.7	
C20 (Deuterated)	74.7	
C24 (Deuterated)	63.3	
C30 (Deuterated)	62.8	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19503

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1234
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	180	<3xMDL
n-C13	0	ND
n-C14	77.1	<3xMDL
n-C15	120.1	<3xMDL
n-C16	202.9	<3xMDL
n-C17	155	J
Pristane	0	ND
n-C18	102.4	<3xMDL
Phytane	0	ND
n-C19	98.5	<3xMDL
n-C20	69.4	J
n-C21	35.1	J
n-C22	0	ND
n-C23	25.1	J
n-C24	0	ND
n-C25	29.9	J
n-C26	30.1	J
n-C27	0	ND
n-C28	0	ND
n-C29	29.9	J
n-C30	22.1	J
n-C31	0	ND
n-C32	0	ND
n-C33	0	ND
n-C34	0	ND

TOTAL AHC (ng/g) 1177.7

TRUAHC (ug/g)	8.94
TOTAL RAHC (ug/g)	8.94
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	46.6	
C20 (Deuterated)	80.3	
C24 (Deuterated)	77.5	
C30 (Deuterated)	61.2	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19521

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1236
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	0	ND
n-C14	72.3	<3xMDL
n-C15	0	ND
n-C16	274.1	<3xMDL
n-C17	0	ND
Pristane	117.7	<3xMDL
n-C18	0	ND
Phytane	53.4	J
n-C19	0	ND
n-C20	136.3	J
n-C21	65.7	J
n-C22	0	ND
n-C23	0	ND
n-C24	17.1	J
n-C25	0	ND
n-C26	32.2	J
n-C27	15.1	J
n-C28	0	ND
n-C29	0	ND
n-C30	0	ND
n-C31	0	ND
n-C32	0	ND
n-C33	0	ND
n-C34	0	ND

TOTAL AHC (ng/g) 783.7

TRUAHC (ug/g)	4.3
TOTAL RAHC (ug/g)	4.3
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	71.7	
C20 (Deuterated)	82.9	
C24 (Deuterated)	80.2	
C30 (Deuterated)	67.9	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19625

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1246
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	0	ND
n-C14	0	ND
n-C15	46.7	J
n-C16	90	J
n-C17	101.5	J
Pristane	0	ND
n-C18	115.2	<3xMDL
Phytane	51.7	J
n-C19	97.9	<3xMDL
n-C20	33.9	J
n-C21	31.6	J
n-C22	31.4	J
n-C23	35	J
n-C24	35.2	J
n-C25	17.4	J
n-C26	35.9	J
n-C27	0	ND
n-C28	0	ND
n-C29	0	ND
n-C30	0	ND
n-C31	18.7	J
n-C32	0	ND
n-C33	0	ND
n-C34	0	ND

TOTAL AHC (ng/g) 742.1

TRUAHC (ug/g)	4.93
TOTAL RAHC (ug/g)	4.93
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	69.7	
C20 (Deuterated)	101.4	
C24 (Deuterated)	101.4	
C30 (Deuterated)	106.7	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19836

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1259
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	0.0	ND
n-C12	0.0	ND
n-C13	0.0	ND
n-C14	40.7	J
n-C15	447.8	B,Q
n-C16	82.1	J
n-C17	159.7	J
Pristane	0.0	ND
n-C18	171.2	<3xMDL
Phytane	0.0	ND
n-C19	143.9	<3xMDL
n-C20	93.7	J
n-C21	116.2	J
n-C22	35.1	J
n-C23	23.7	J
n-C24	21.5	J
n-C25	27.2	J
n-C26	0.0	ND
n-C27	0.0	ND
n-C28	42.1	J
n-C29	0.0	ND
n-C30	0.0	ND
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	1404.9
TRUAHC (ug/g)	6.3
TOTAL RAHC (ug/g)	6.3
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	94.0	
C20 (Deuterated)	104.0	
C24 (Deuterated)	102.0	
C30 (Deuterated)	98.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q19850

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1261
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	0.0	ND
n-C12	0.0	ND
n-C13	0.0	ND
n-C14	0.0	ND
n-C15	326.0	B,Q
n-C16	0.0	ND
n-C17	0.0	ND
Pristane	0.0	ND
n-C18	0.0	ND
Phytane	0.0	ND
n-C19	0.0	ND
n-C20	0.0	ND
n-C21	0.0	ND
n-C22	0.0	ND
n-C23	0.0	ND
n-C24	0.0	ND
n-C25	0.0	ND
n-C26	0.0	ND
n-C27	0.0	ND
n-C28	44.0	J
n-C29	0.0	ND
n-C30	0.0	ND
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	370.0
TRUAHC (ug/g)	0.7
TOTAL RAHC (ug/g)	0.7
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	95.0	
C20 (Deuterated)	85.0	
C24 (Deuterated)	81.0	
C30 (Deuterated)	83.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20134

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	TISSUE
Batch	T1282
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	37.9	J
n-C11	0	ND
n-C12	0	ND
n-C13	0	ND
n-C14	13.7	J
n-C15	91.3	J
n-C16	0	ND
n-C17	34.2	J
Pristane	0	ND
n-C18	0	ND
Phytane	0	ND
n-C19	0	ND
n-C20	0	ND
n-C21	0	ND
n-C22	0	ND
n-C23	0	ND
n-C24	0	ND
n-C25	0	ND
n-C26	0	ND
n-C27	0	ND
n-C28	4.3	J
n-C29	0	ND
n-C30	18.5	J
n-C31	0	ND
n-C32	3.5	J
n-C33	0	ND
n-C34	0	ND

TOTAL AHC (ng/g)	203.3

TRUAHC (ug/g)	41	
TOTAL RAHC (ug/g)	7.7	
UCM (ug/g)	33.3	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	82	
C20 (Deuterated)	43	
C24 (Deuterated)	65	
C30 (Deuterated)	52	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20344

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1309
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	159.3	<3xMDL
n-C11	71.2	J
n-C12	68.9	J
n-C13	41.9	J
n-C14	69.6	<3xMDL
n-C15	51.9	J
n-C16	47.6	J
n-C17	45.9	J
Pristane	0.0	ND
n-C18	70.3	J
Phytane	0.0	ND
n-C19	36.5	J
n-C20	46.3	J
n-C21	37.0	J
n-C22	43.1	J
n-C23	26.0	J
n-C24	0.0	ND
n-C25	43.7	J
n-C26	46.2	J
n-C27	36.2	J
n-C28	50.0	J
n-C29	130.7	J
n-C30	216.5	J
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g) 1338.6

TRUAHC (ug/g)	14.66
TOTAL RAHC (ug/g)	3.67
UCM (ug/g)	10.99 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	101.0	
C20 (Deuterated)	77.0	
C24 (Deuterated)	77.0	
C30 (Deuterated)	76.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20354

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1310
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	84.8	J
n-C12	0.0	ND
n-C13	48.4	<3xMDL
n-C14	77.7	<3xMDL
n-C15	59.0	J
n-C16	77.2	<3xMDL
n-C17	91.1	J
Pristane	0.0	ND
n-C18	104.7	<3xMDL
Phytane	16.0	J
n-C19	92.2	<3xMDL
n-C20	61.6	J
n-C21	24.7	J
n-C22	24.4	J
n-C23	0.0	ND
n-C24	0.0	ND
n-C25	0.0	ND
n-C26	0.0	ND
n-C27	23.3	J
n-C28	0.0	ND
n-C29	55.4	J
n-C30	107.5	J
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g) 948.0

TRUAHC (ug/g)	24.22
TOTAL RAHC (ug/g)	16.64
UCM (ug/g)	7.58 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	85.0	
C20 (Deuterated)	79.0	
C24 (Deuterated)	77.0	
C30 (Deuterated)	65.0	

QC Sample Type	Lab Sample ID
PROC BLANK	Q20407

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	53.1	J
n-C11	19.1	J
n-C12	20.3	J
n-C13	10.2	J
n-C14	91.1	<3xMDL
n-C15	23.2	J
n-C16	38.6	J
n-C17	51.5	J
Pristane	0.0	ND
n-C18	73.3	<3xMDL
Phytane	17.1	J
n-C19	52.7	J
n-C20	30.5	J
n-C21	0.0	ND
n-C22	0.0	ND
n-C23	24.9	J
n-C24	116.0	<3xMDL
n-C25	58.1	J
n-C26	63.6	J
n-C27	73.1	J
n-C28	54.0	J
n-C29	43.3	J
n-C30	23.4	J
n-C31	18.9	J
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g) 956.0

TRUAHC (ug/g)	7.48
TOTAL RAHC (ug/g)	7.48
UCM (ug/g)	0.0 ND

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	77.0	
C20 (Deuterated)	88.0	
C24 (Deuterated)	88.0	
C30 (Deuterated)	91.0	

APPENDIX C

Tissue Quality Control Results

2.0 Matrix Spike/Spike Duplicates

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q18943

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.20	WET
Dry Weight (g)	0.33	DRY
Solids (%)	6.4	DRY
Lipids (%)	5.0	DRY

ANALYTE	Value (%)	Qual
Naphthalene	113.5	
Biphenyl	99.9	
Acenaphthylene	114.8	
Acenaphthene	103.7	
Fluorene	106.8	
Anthracene	77.5	
Phenanthrene	102.4	
Dibenzothiophene	85.3	
Fluoranthene	92.9	
Pyrene	75.8	
Benzo(a)anthracene	105.1	
Chrysene	103.9	
Benzo(b)fluoranthene	103.7	
Benzo(k)fluoranthene	77.3	
Benzo(e)pyrene	91.4	
Benzo(a)pyrene	102.5	
Perylene	114.1	
Indeno(1,2,3-c,d)pyrene	104.6	
Dibenzo(a,h)anthracene	111.6	
Benzo(g,h,i)perylene	92.9	
TOTAL PAH (%)	98.8	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	93.0	
2-Methylnaphthalene	89.4	
2,6-Dimethylnaphthalene	99.2	
1,6,7-Trimethylnaphthalene	108.6	
1-Methylphenanthrene	98.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	81.7	
Acenapthene-D10	72.5	
Phenanthrene-D10	77.8	
Chrysene-D12	68.4	
Perylene-D12	68.7	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q18944

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.00	WET
Dry Weight (g)	0.39	DRY
Solids (%)	7.8	DRY
Lipids (%)	4.3	DRY

ANALYTE	Value (%)	Qual
Naphthalene	115.6	
Biphenyl	106.3	
Acenaphthylene	118.1	
Acenaphthene	106.8	
Fluorene	102.2	
Anthracene	92.7	
Phenanthrene	110.7	
Dibenzothiophene	94.8	
Fluoranthene	98.4	
Pyrene	78.6	
Benzo(a)anthracene	113.1	
Chrysene	89.6	
Benzo(b)fluoranthene	106.2	
Benzo(k)fluoranthene	114.1	
Benzo(e)pyrene	95.0	
Benzo(a)pyrene	108.3	
Perylene	118.1	
Indeno(1,2,3-c,d)pyrene	112.9	
Dibenzo(a,h)anthracene	119.0	
Benzo(g,h,i)perylene	99.3	
TOTAL PAH (%)	105.7	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	118.4	
2-Methylnaphthalene	113.3	
2,6-Dimethylnaphthalene	105.5	
1,6,7-Trimethylnaphthalene	97.7	
1-Methylphenanthrene	107.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	79.3	
Acenapthene-D10	82.7	
Phenanthrene-D10	70.6	
Chrysene-D12	60.6	
Perylene-D12	67.4	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q18949

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.08	WET
Dry Weight (g)	0.52	DRY
Solids (%)	5.2	DRY
Lipids (%)	13.0	DRY

ANALYTE	Value (%)	Qual
Naphthalene	109.0	
Biphenyl	100.4	
Acenaphthylene	107.0	
Acenaphthene	93.1	
Fluorene	105.6	
Anthracene	71.0	
Phenanthrene	96.3	
Dibenzothiophene	80.3	
Fluoranthene	95.2	
Pyrene	81.5	
Benzo(a)anthracene	83.1	
Chrysene	117.8	
Benzo(b)fluoranthene	103.0	
Benzo(k)fluoranthene	78.0	
Benzo(e)pyrene	72.4	
Benzo(a)pyrene	88.0	
Perylene	97.1	
Indeno(1,2,3-c,d)pyrene	25.6	Q
Dibenzo(a,h)anthracene	41.4	
Benzo(g,h,i)perylene	57.6	
TOTAL PAH (%)	88.7	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	104.6	
2-Methylnaphthalene	101.4	
2,6-Dimethylnaphthalene	97.8	
1,6,7-Trimethylnaphthalene	106.6	
1-Methylphenanthrene	104.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	57.8	
Acenapthene-D10	62.5	
Phenanthrene-D10	78.1	
Chrysene-D12	67.5	
Perylene-D12	77.1	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q18950

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.25	WET
Dry Weight (g)	0.63	DRY
Solids (%)	6.1	DRY
Lipids (%)	7.2	DRY

ANALYTE	Value (%)	Qual
Naphthalene	110.0	
Biphenyl	101.8	
Acenaphthylene	111.1	
Acenaphthene	90.2	
Fluorene	102.5	
Anthracene	76.6	
Phenanthrene	98.7	
Dibenzothiophene	84.5	
Fluoranthene	94.8	
Pyrene	81.5	
Benzo(a)anthracene	82.2	
Chrysene	112.9	
Benzo(b)fluoranthene	103.9	
Benzo(k)fluoranthene	78.7	
Benzo(e)pyrene	73.7	
Benzo(a)pyrene	93.3	
Perylene	104.6	
Indeno(1,2,3-c,d)pyrene	26.6	Q
Dibenzo(a,h)anthracene	45.7	
Benzo(g,h,i)perylene	57.4	
TOTAL PAH (%)	90.2	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	109.4	
2-Methylnaphthalene	104.4	
2,6-Dimethylnaphthalene	99.6	
1,6,7-Trimethylnaphthalene	104.7	
1-Methylphenanthrene	105.4	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	68.0	
Acenapthene-D10	74.3	
Phenanthrene-D10	85.8	
Chrysene-D12	78.0	
Perylene-D12	79.2	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19161

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	10.30	WET
Dry Weight (g)	0.90	DRY
Solids (%)	8.7	DRY
Lipids (%)	1.3	DRY

ANALYTE	Value (%)	Qual
Naphthalene	102.5	
Biphenyl	95.4	
Acenaphthylene	111.9	
Acenaphthene	113.6	
Fluorene	101.8	
Anthracene	90.5	
Phenanthrene	94.6	
Dibenzothiophene	81.9	
Fluoranthene	91.8	
Pyrene	91.3	
Benzo(a)anthracene	83.2	
Chrysene	91.1	
Benzo(b)fluoranthene	86.5	
Benzo(k)fluoranthene	90.2	
Benzo(e)pyrene	101.9	
Benzo(a)pyrene	114.0	
Perylene	103.3	
Indeno(1,2,3-c,d)pyrene	76.9	
Dibenzo(a,h)anthracene	76.0	
Benzo(g,h,i)perylene	98.9	
TOTAL PAH (%)	94.8	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	96.0	
2-Methylnaphthalene	88.4	
2,6-Dimethylnaphthalene	95.8	
1,6,7-Trimethylnaphthalene	93.8	
1-Methylphenanthrene	98.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	88.7	
Acenapthene-D10	83.9	
Phenanthrene-D10	78.1	
Chrysene-D12	93.2	
Perylene-D12	73.4	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19162

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	11.96	WET
Dry Weight (g)	0.94	DRY
Solids (%)	7.9	DRY
Lipids (%)	1.8	DRY

ANALYTE	Value (%)	Qual
Naphthalene	101.3	
Biphenyl	93.8	
Acenaphthylene	118.5	
Acenaphthene	120.2	Q
Fluorene	116.3	
Anthracene	94.3	
Phenanthrene	94.0	
Dibenzothiophene	82.7	
Fluoranthene	92.9	
Pyrene	91.1	
Benzo(a)anthracene	91.3	
Chrysene	98.8	
Benzo(b)fluoranthene	89.7	
Benzo(k)fluoranthene	78.6	
Benzo(e)pyrene	107.9	
Benzo(a)pyrene	112.0	
Perylene	108.4	
Indeno(1,2,3-c,d)pyrene	92.6	
Dibenzo(a,h)anthracene	83.3	
Benzo(g,h,i)perylene	117.1	
TOTAL PAH (%)	99.1	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	105.6	
2-Methylnaphthalene	95.6	
2,6-Dimethylnaphthalene	97.7	
1,6,7-Trimethylnaphthalene	93.8	
1-Methylphenanthrene	99.2	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	76.8	
Acenapthene-D10	81.9	
Phenanthrene-D10	82.4	
Chrysene-D12	91.6	
Perylene-D12	73.1	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19506

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	8.37	WET
Dry Weight (g)	0.83	DRY
Solids (%)	9.9	DRY
Lipids (%)	5.2	DRY

ANALYTE	Value (%)	Qual
Naphthalene	100.2	
Biphenyl	94.5	
Acenaphthylene	97.5	
Acenaphthene	110.5	
Fluorene	109.3	
Anthracene	76.4	
Phenanthrene	95.6	
Dibenzothiophene	90.3	
Fluoranthene	101	
Pyrene	98.2	
Benzo(a)anthracene	99.3	
Chrysene	105	
Benzo(b)fluoranthene	87.6	
Benzo(k)fluoranthene	75.8	
Benzo(e)pyrene	42.8	
Benzo(a)pyrene	76.6	
Perylene	110.5	
Indeno(1,2,3-c,d)pyrene	74.2	
Dibenzo(a,h)anthracene	67	
Benzo(g,h,i)perylene	90.7	
TOTAL PAH (%)	91.8	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	106.9	
2-Methylnaphthalene	92.4	
2,6-Dimethylnaphthalene	94.3	
1,6,7-Trimethylnaphthalene	105.1	
1-Methylphenanthrene	93.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	44.7	
Acenapthene-D10	50.9	
Phenanthrene-D10	55.2	
Chrysene-D12	46.8	
Perylene-D12	52.9	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19507

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	8.1	WET
Dry Weight (g)	0.71	DRY
Solids (%)	8.8	DRY
Lipids (%)	9.0	DRY

ANALYTE	Value (%)	Qual
Naphthalene	96.3	
Biphenyl	98.7	
Acenaphthylene	104.7	
Acenaphthene	113.8	
Fluorene	106.9	
Anthracene	75.6	
Phenanthrene	93	
Dibenzothiophene	91.9	
Fluoranthene	99.5	
Pyrene	99.2	
Benzo(a)anthracene	105	
Chrysene	111.3	
Benzo(b)fluoranthene	91.5	
Benzo(k)fluoranthene	79.1	
Benzo(e)pyrene	45.2	
Benzo(a)pyrene	83	
Perylene	115.8	
Indeno(1,2,3-c,d)pyrene	78.3	
Dibenzo(a,h)anthracene	65.9	
Benzo(g,h,i)perylene	96.3	
TOTAL PAH (%)	94.1	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	103.5	
2-Methylnaphthalene	94.7	
2,6-Dimethylnaphthalene	95.8	
1,6,7-Trimethylnaphthalene	103.1	
1-Methylphenanthrene	105.3	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	70.4	
Acenapthene-D10	74.9	
Phenanthrene-D10	78.7	
Chrysene-D12	62.3	
Perylene-D12	67.4	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19524

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.46	WET
Dry Weight (g)	1.11	DRY
Solids (%)	10.6	DRY
Lipids (%)	5.4	DRY

ANALYTE	Value (%)	Qual
Naphthalene	102.1	
Biphenyl	92.8	
Acenaphthylene	95.1	
Acenaphthene	93.7	
Fluorene	113.2	
Anthracene	85.6	
Phenanthrene	92.9	
Dibenzothiophene	79.7	
Fluoranthene	115.5	
Pyrene	117.8	
Benzo(a)anthracene	97.2	
Chrysene	101.1	
Benzo(b)fluoranthene	96.6	
Benzo(k)fluoranthene	106.5	
Benzo(e)pyrene	102.5	
Benzo(a)pyrene	84.8	
Perylene	57.8	
Indeno(1,2,3-c,d)pyrene	92.7	
Dibenzo(a,h)anthracene	80.1	
Benzo(g,h,i)perylene	87.5	
TOTAL PAH (%)	96.5	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	102	
2-Methylnaphthalene	94.8	
2,6-Dimethylnaphthalene	93.4	
1,6,7-Trimethylnaphthalene	117.1	
1-Methylphenanthrene	110.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	29.2	Q
Acenapthene-D10	34.1	Q
Phenanthrene-D10	41.9	
Chrysene-D12	55.6	
Perylene-D12	43.1	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19525

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.12	WET
Dry Weight (g)	1.08	DRY
Solids (%)	10.7	DRY
Lipids (%)	6.7	DRY

ANALYTE	Value (%)	Qual
Naphthalene	97.1	
Biphenyl	91.6	
Acenaphthylene	94.8	
Acenaphthene	96.3	
Fluorene	111.7	
Anthracene	92.5	
Phenanthrene	92.7	
Dibenzothiophene	82	
Fluoranthene	110.8	
Pyrene	116.6	
Benzo(a)anthracene	110.3	
Chrysene	102.3	
Benzo(b)fluoranthene	111.6	
Benzo(k)fluoranthene	115.7	
Benzo(e)pyrene	109.6	
Benzo(a)pyrene	92.9	
Perylene	77.4	
Indeno(1,2,3-c,d)pyrene	107.7	
Dibenzo(a,h)anthracene	104.7	
Benzo(g,h,i)perylene	102.7	
TOTAL PAH (%)	99.8	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	103.3	
2-Methylnaphthalene	92.7	
2,6-Dimethylnaphthalene	93.8	
1,6,7-Trimethylnaphthalene	81.9	
1-Methylphenanthrene	101.7	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.8	
Acenapthene-D10	54.1	
Phenanthrene-D10	67.8	
Chrysene-D12	88	
Perylene-D12	55	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19628

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	19	3	PWS01TIS0018

Matrix	TISSUE
Batch	T1246

Wet Weight (g)	7.23	WET
Dry Weight (g)	0.56	DRY
Solids (%)	7.7	DRY
Lipids (%)	4.0	DRY

ANALYTE	Value (%)	Qual
Naphthalene	100	
Biphenyl	99.9	
Acenaphthylene	97.7	
Acenaphthene	93.1	
Fluorene	102.4	
Anthracene	79	
Phenanthrene	93.5	
Dibenzothiophene	76.4	
Fluoranthene	93.4	
Pyrene	95.9	
Benzo(a)anthracene	82.4	
Chrysene	81.3	
Benzo(b)fluoranthene	95.3	
Benzo(k)fluoranthene	54.7	
Benzo(e)pyrene	98.1	
Benzo(a)pyrene	84	
Perylene	85.7	
Indeno(1,2,3-c,d)pyrene	79.7	
Dibenzo(a,h)anthracene	70.1	
Benzo(g,h,i)perylene	92	
TOTAL PAH (%)	89.1	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	96.4	
2-Methylnaphthalene	92.1	
2,6-Dimethylnaphthalene	99.8	
1,6,7-Trimethylnaphthalene	88.9	
1-Methylphenanthrene	94.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	72	
Acenapthene-D10	72.1	
Phenanthrene-D10	82.2	
Chrysene-D12	87	
Perylene-D12	44.8	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19629

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	19	3	PWS01TIS0018

Matrix	TISSUE
Batch	T1246

Wet Weight (g)	8.1	WET
Dry Weight (g)	0.63	DRY
Solids (%)	7.7	DRY
Lipids (%)	3.8	DRY

ANALYTE	Value (%)	Qual
Naphthalene	96.4	
Biphenyl	89.1	
Acenaphthylene	92	
Acenaphthene	86.5	
Fluorene	98.8	
Anthracene	76.2	
Phenanthrene	88.5	
Dibenzothiophene	71	
Fluoranthene	86.3	
Pyrene	89.5	
Benzo(a)anthracene	82.1	
Chrysene	80	
Benzo(b)fluoranthene	92.9	
Benzo(k)fluoranthene	69.5	
Benzo(e)pyrene	96.7	
Benzo(a)pyrene	83.4	
Perylene	85.3	
Indeno(1,2,3-c,d)pyrene	82	
Dibenzo(a,h)anthracene	81.7	
Benzo(g,h,i)perylene	89.3	
TOTAL PAH (%)	86.7	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	97.3	
2-Methylnaphthalene	89.2	
2,6-Dimethylnaphthalene	88.7	
1,6,7-Trimethylnaphthalene	84.9	
1-Methylphenanthrene	90.9	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	81.6	
Acenapthene-D10	89.6	
Phenanthrene-D10	103.5	
Chrysene-D12	104.6	
Perylene-D12	56.7	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19839

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.48	WET
Dry Weight (g)	0.92	DRY
Solids (%)	8.8	DRY
Lipids (%)	8.8	DRY

ANALYTE	Value (%)	Qual
Naphthalene	82.7	
Biphenyl	82.0	
Acenaphthylene	96.1	
Acenaphthene	102.9	
Fluorene	92.0	
Anthracene	81.8	
Phenanthrene	84.5	
Dibenzothiophene	72.9	
Fluoranthene	87.7	
Pyrene	85.2	
Benzo(a)anthracene	91.1	
Chrysene	80.8	
Benzo(b)fluoranthene	90.6	
Benzo(k)fluoranthene	89.3	
Benzo(e)pyrene	86.8	
Benzo(a)pyrene	116.5	
Perylene	84.0	
Indeno(1,2,3-c,d)pyrene	107.9	
Dibenzo(a,h)anthracene	113.5	
Benzo(g,h,i)perylene	96.5	
TOTAL PAH (%)	90.0	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	86.8	
2-Methylnaphthalene	81.8	
2,6-Dimethylnaphthalene	82.3	
1,6,7-Trimethylnaphthalene	86.2	
1-Methylphenanthrene	89.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	48.3	
Acenapthene-D10	54.7	
Phenanthrene-D10	54.0	
Chrysene-D12	54.9	
Perylene-D12	28.7	Q

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19840

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.32	WET
Dry Weight (g)	0.94	DRY
Solids (%)	9.1	DRY
Lipids (%)	9.1	DRY

ANALYTE	Value (%)	Qual
Naphthalene	82.6	
Biphenyl	84.2	
Acenaphthylene	95.9	
Acenaphthene	102.2	
Fluorene	95.2	
Anthracene	81.1	
Phenanthrene	83.3	
Dibenzothiophene	73.0	
Fluoranthene	86.4	
Pyrene	87.1	
Benzo(a)anthracene	90.8	
Chrysene	82.0	
Benzo(b)fluoranthene	92.3	
Benzo(k)fluoranthene	90.6	
Benzo(e)pyrene	88.7	
Benzo(a)pyrene	118.7	
Perylene	81.7	
Indeno(1,2,3-c,d)pyrene	109.7	
Dibenzo(a,h)anthracene	118.2	
Benzo(g,h,i)perylene	98.1	
TOTAL PAH (%)	91.0	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	87.3	
2-Methylnaphthalene	80.8	
2,6-Dimethylnaphthalene	84.5	
1,6,7-Trimethylnaphthalene	90.2	
1-Methylphenanthrene	89.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.4	
Acenapthene-D10	51.7	
Phenanthrene-D10	52.8	
Chrysene-D12	52.5	
Perylene-D12	28.7	Q

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19853

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
WIB-B	20	1	PWS01TIS0055

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	11.13	WET
Dry Weight (g)	1.48	DRY
Solids (%)	13.3	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (%)	Qual
Naphthalene	89.8	
Biphenyl	84.3	
Acenaphthylene	93.5	
Acenaphthene	94.9	
Fluorene	98.9	
Anthracene	89.1	
Phenanthrene	84.6	
Dibenzothiophene	70.5	
Fluoranthene	84.0	
Pyrene	86.7	
Benzo(a)anthracene	95.1	
Chrysene	79.1	
Benzo(b)fluoranthene	92.0	
Benzo(k)fluoranthene	89.2	
Benzo(e)pyrene	86.9	
Benzo(a)pyrene	105.6	
Perylene	82.6	
Indeno(1,2,3-c,d)pyrene	100.8	
Dibenzo(a,h)anthracene	110.5	
Benzo(g,h,i)perylene	92.1	
TOTAL PAH (%)	90.2	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	88.3	
2-Methylnaphthalene	84.6	
2,6-Dimethylnaphthalene	83.1	
1,6,7-Trimethylnaphthalene	85.0	
1-Methylphenanthrene	104.1	
Surrogate Recoveries	**Percent**	**Qual**
Naphthalene-D8	84.3	
Acenapthene-D10	93.3	
Phenanthrene-D10	92.7	
Chrysene-D12	94.1	
Perylene-D12	55.6	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19854

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
WIB-B	20	1	PWS01TIS0055

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	10.17	WET
Dry Weight (g)	1.33	DRY
Solids (%)	13.1	DRY
Lipids (%)	10.6	DRY

ANALYTE	Value (%)	Qual
Naphthalene	94.1	
Biphenyl	90.8	
Acenaphthylene	99.4	
Acenaphthene	108.9	
Fluorene	106.6	
Anthracene	88.4	
Phenanthrene	87.0	
Dibenzothiophene	71.8	
Fluoranthene	86.4	
Pyrene	87.5	
Benzo(a)anthracene	86.4	
Chrysene	73.6	
Benzo(b)fluoranthene	85.4	
Benzo(k)fluoranthene	92.9	
Benzo(e)pyrene	84.5	
Benzo(a)pyrene	108.8	
Perylene	84.3	
Indeno(1,2,3-c,d)pyrene	103.5	
Dibenzo(a,h)anthracene	106.7	
Benzo(g,h,i)perylene	91.4	
TOTAL PAH (%)	91.8	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	90.8	
2-Methylnaphthalene	88.7	
2,6-Dimethylnaphthalene	88.7	
1,6,7-Trimethylnaphthalene	90.2	
1-Methylphenanthrene	98.0	
Surrogate Recoveries	**Percent**	**Qual**
Naphthalene-D8	83.8	
Acenapthene-D10	89.8	
Phenanthrene-D10	91.7	
Chrysene-D12	96.5	
Perylene-D12	56.1	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20137

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.12	WET
Dry Weight (g)	0.73	DRY
Solids (%)	7.2	DRY
Lipids (%)	22	DRY

ANALYTE	Value (%)	Qual
Naphthalene	109.3	
Biphenyl	87.9	
Acenaphthylene	115.6	
Acenaphthene	96.4	
Fluorene	97.3	
Anthracene	90.9	
Phenanthrene	95.1	
Dibenzothiophene	101.7	
Fluoranthene	112.8	
Pyrene	113.3	
Benzo(a)anthracene	114.4	
Chrysene	96.7	
Benzo(b)fluoranthene	96.5	
Benzo(k)fluoranthene	94.9	
Benzo(e)pyrene	84.8	
Benzo(a)pyrene	95	
Perylene	117.6	
Indeno(1,2,3-c,d)pyrene	66.6	
Dibenzo(a,h)anthracene	70.4	
Benzo(g,h,i)perylene	69.4	
TOTAL PAH (%)	97.6	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	109.1	
2-Methylnaphthalene	101.6	
2,6-Dimethylnaphthalene	92.2	
1,6,7-Trimethylnaphthalene	100.7	
1-Methylphenanthrene	110.3	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	60.3	
Acenapthene-D10	76.7	
Phenanthrene-D10	96.1	
Chrysene-D12	108.6	
Perylene-D12	57.9	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20138

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.34	WET
Dry Weight (g)	0.77	DRY
Solids (%)	7.5	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (%)	Qual
Naphthalene	113.4	
Biphenyl	88.2	
Acenaphthylene	119	
Acenaphthene	95.6	
Fluorene	94.5	
Anthracene	86.6	
Phenanthrene	91.6	
Dibenzothiophene	96.3	
Fluoranthene	113.8	
Pyrene	110.6	
Benzo(a)anthracene	118.5	
Chrysene	101.4	
Benzo(b)fluoranthene	96.8	
Benzo(k)fluoranthene	110.6	
Benzo(e)pyrene	86.6	
Benzo(a)pyrene	96	
Perylene	118.2	
Indeno(1,2,3-c,d)pyrene	61.8	
Dibenzo(a,h)anthracene	68.8	
Benzo(g,h,i)perylene	72.8	
TOTAL PAH (%)	98.6	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	116.4	
2-Methylnaphthalene	106.8	
2,6-Dimethylnaphthalene	89.1	
1,6,7-Trimethylnaphthalene	101.3	
1-Methylphenanthrene	110.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	46.6	
Acenapthene-D10	65.8	
Phenanthrene-D10	86.3	
Chrysene-D12	90.3	
Perylene-D12	45	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20346

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	5.13	WET
Dry Weight (g)	0.46	DRY
Solids (%)	9.0	DRY
Lipids (%)	3.4	DRY

ANALYTE	Value (%)	Qual
Naphthalene	96.8	
Biphenyl	96.7	
Acenaphthylene	88.0	
Acenaphthene	93.5	
Fluorene	95.6	
Anthracene	87.3	
Phenanthrene	93.7	
Dibenzothiophene	91.6	
Fluoranthene	99.9	
Pyrene	94.6	
Benzo(a)anthracene	99.6	
Chrysene	97.3	
Benzo(b)fluoranthene	114.1	
Benzo(k)fluoranthene	105.3	
Benzo(e)pyrene	100.1	
Benzo(a)pyrene	99.5	
Perylene	101.2	
Indeno(1,2,3-c,d)pyrene	116.0	
Dibenzo(a,h)anthracene	82.9	
Benzo(g,h,i)perylene	93.6	
TOTAL PAH (%)	97.6	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	102.4	
2-Methylnaphthalene	98.6	
2,6-Dimethylnaphthalene	94.5	
1,6,7-Trimethylnaphthalene	98.8	
1-Methylphenanthrene	97.4	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	53.4	
Acenapthene-D10	65.9	
Phenanthrene-D10	84.3	
Chrysene-D12	92.8	
Perylene-D12	46.3	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20347

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	5.30	WET
Dry Weight (g)	0.47	DRY
Solids (%)	8.8	DRY
Lipids (%)	3.2	DRY

ANALYTE	Value (%)	Qual
Naphthalene	102.0	
Biphenyl	108.2	
Acenaphthylene	87.9	
Acenaphthene	114.8	
Fluorene	102.5	
Anthracene	93.4	
Phenanthrene	104.8	
Dibenzothiophene	97.1	
Fluoranthene	106.0	
Pyrene	100.4	
Benzo(a)anthracene	103.2	
Chrysene	100.0	
Benzo(b)fluoranthene	114.8	
Benzo(k)fluoranthene	105.2	
Benzo(e)pyrene	101.7	
Benzo(a)pyrene	100.5	
Perylene	106.8	
Indeno(1,2,3-c,d)pyrene	112.6	
Dibenzo(a,h)anthracene	85.2	
Benzo(g,h,i)perylene	93.5	
TOTAL PAH (%)	102.7	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	111.6	
2-Methylnaphthalene	107.8	
2,6-Dimethylnaphthalene	95.2	
1,6,7-Trimethylnaphthalene	103.8	
1-Methylphenanthrene	108.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	53.2	
Acenapthene-D10	62.8	
Phenanthrene-D10	80.6	
Chrysene-D12	92.5	
Perylene-D12	42.8	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20356

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	15.05	WET
Dry Weight (g)	1.36	DRY
Solids (%)	9.0	DRY
Lipids (%)	7.3	DRY

ANALYTE	Value (%)	Qual
Naphthalene	97.5	
Biphenyl	91.9	
Acenaphthylene	86.7	
Acenaphthene	93.7	
Fluorene	80.2	
Anthracene	89.3	
Phenanthrene	97.7	
Dibenzothiophene	94.8	
Fluoranthene	104.1	
Pyrene	101.0	
Benzo(a)anthracene	102.9	
Chrysene	98.3	
Benzo(b)fluoranthene	112.6	
Benzo(k)fluoranthene	91.1	
Benzo(e)pyrene	89.7	
Benzo(a)pyrene	84.1	
Perylene	99.3	
Indeno(1,2,3-c,d)pyrene	95.4	
Dibenzo(a,h)anthracene	72.8	
Benzo(g,h,i)perylene	83.4	
TOTAL PAH (%)	94.9	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	106.8	
2-Methylnaphthalene	100.2	
2,6-Dimethylnaphthalene	92.7	
1,6,7-Trimethylnaphthalene	98.4	
1-Methylphenanthrene	106.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	43.9	
Acenapthene-D10	55.9	
Phenanthrene-D10	71.3	
Chrysene-D12	82.3	
Perylene-D12	42.8	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20357

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	15.28	WET
Dry Weight (g)	1.46	DRY
Solids (%)	9.6	DRY
Lipids (%)	6.3	DRY

ANALYTE	Value (%)	Qual
Naphthalene	98.7	
Biphenyl	92.5	
Acenaphthylene	88.7	
Acenaphthene	99.9	
Fluorene	83.7	
Anthracene	94.4	
Phenanthrene	98.5	
Dibenzothiophene	98.1	
Fluoranthene	108.7	
Pyrene	106.5	
Benzo(a)anthracene	110.5	
Chrysene	105.5	
Benzo(b)fluoranthene	109.4	
Benzo(k)fluoranthene	101.5	
Benzo(e)pyrene	96.8	
Benzo(a)pyrene	90.7	
Perylene	104.8	
Indeno(1,2,3-c,d)pyrene	99.7	
Dibenzo(a,h)anthracene	78.3	
Benzo(g,h,i)perylene	90.6	
TOTAL PAH (%)	99.1	
(Avg % Recovery)		

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	108.3	
2-Methylnaphthalene	102.3	
2,6-Dimethylnaphthalene	96.0	
1,6,7-Trimethylnaphthalene	101.9	
1-Methylphenanthrene	111.3	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	48.3	
Acenapthene-D10	62.3	
Phenanthrene-D10	79.8	
Chrysene-D12	92.2	
Perylene-D12	46.3	

QC Sample Type	Lab Sample ID
LAB BLANK SPIKE	Q20409

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
22			Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (%)	Qual
Naphthalene	104.0	
Biphenyl	105.2	
Acenaphthylene	101.1	
Acenaphthene	104.8	
Fluorene	105.0	
Anthracene	94.4	
Phenanthrene	98.9	
Dibenzothiophene	97.5	
Fluoranthene	97.9	
Pyrene	96.3	
Benzo(a)anthracene	97.4	
Chrysene	99.1	
Benzo(b)fluoranthene	98.2	
Benzo(k)fluoranthene	94.6	
Benzo(e)pyrene	94.9	
Benzo(a)pyrene	104.5	
Perylene	98.4	
Indeno(1,2,3-c,d)pyrene	93.8	
Dibenzo(a,h)anthracene	89.0	
Benzo(g,h,i)perylene	89.7	
TOTAL PAH (%)	98.7	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	99.5	
2-Methylnaphthalene	104.3	
2,6-Dimethylnaphthalene	99.8	
1,6,7-Trimethylnaphthalene	100.6	
1-Methylphenanthrene	97.5	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	82.1	
Acenapthene-D10	87.9	
Phenanthrene-D10	87.9	
Chrysene-D12	109.8	
Perylene-D12	55.9	

QC Sample Type	Lab Sample ID
LAB BLANK SPIKE DUP	Q20410

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
22			Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (%)	Qual
Naphthalene	100.1	
Biphenyl	99.4	
Acenaphthylene	94.0	
Acenaphthene	97.2	
Fluorene	97.1	
Anthracene	89.5	
Phenanthrene	97.2	
Dibenzothiophene	95.3	
Fluoranthene	98.2	
Pyrene	95.7	
Benzo(a)anthracene	88.0	
Chrysene	91.7	
Benzo(b)fluoranthene	86.8	
Benzo(k)fluoranthene	89.8	
Benzo(e)pyrene	89.3	
Benzo(a)pyrene	96.0	
Perylene	92.8	
Indeno(1,2,3-c,d)pyrene	77.6	
Dibenzo(a,h)anthracene	71.3	
Benzo(g,h,i)perylene	79.8	
TOTAL PAH (%)	92.3	
	(Avg % Recovery)	

Specific Isomers	Value (%)	Qual
1-Methylnaphthalene	93.9	
2-Methylnaphthalene	98.5	
2,6-Dimethylnaphthalene	94.2	
1,6,7-Trimethylnaphthalene	95.2	
1-Methylphenanthrene	97.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	78.5	
Acenapthene-D10	85.0	
Phenanthrene-D10	81.6	
Chrysene-D12	100.6	
Perylene-D12	52.1	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q18943

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.20	WET
Dry Weight (g)	0.33	DRY
Solids (%)	6.4	DRY
Lipids (%)	5.0	DRY

ANALYTE	Value (%)	Qual
n-C12	69.2	
n-C15	85.6	
n-C17	90.3	
Pristane	84.3	
n-C18	87.8	
n-C20	86.7	
n-C21	85.9	
n-C24	79.7	
n-C28	74.1	
n-C30	72.2	
n-C32	74.6	
n-C34	75.7	
TOTAL AHC (%)	80.5	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	63.0	
C20 (Deuterated)	87.0	
C24 (Deuterated)	74.0	
C30 (Deuterated)	62.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q18944

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.00	WET
Dry Weight (g)	0.39	DRY
Solids (%)	7.8	DRY
Lipids (%)	4.3	DRY

ANALYTE	Value (%)	Qual
n-C12	75.5	
n-C15	83.7	
n-C17	87.4	
Pristane	81.4	
n-C18	86.1	
n-C20	82.0	
n-C21	78.7	
n-C24	75.8	
n-C28	71.5	
n-C30	69.7	
n-C32	71.6	
n-C34	73.3	
TOTAL AHC (%)	78.1	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	68.0	
C20 (Deuterated)	79.0	
C24 (Deuterated)	72.0	
C30 (Deuterated)	60.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q18949

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.08	WET
Dry Weight (g)	0.52	DRY
Solids (%)	5.2	DRY
Lipids (%)	13.0	DRY

ANALYTE	Value (%)	Qual
n-C12	80.2	
n-C15	102.1	
n-C17	111.9	
Pristane	102.4	
n-C18	105.1	
n-C20	118.9	
n-C21	99.3	
n-C24	98.7	
n-C28	95.2	
n-C30	88.8	
n-C32	91.9	
n-C34	101.8	
TOTAL AHC (%)	99.7	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	54.0	
C20 (Deuterated)	69.0	
C24 (Deuterated)	68.0	
C30 (Deuterated)	680.0	M

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q18950

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.25	WET
Dry Weight (g)	0.63	DRY
Solids (%)	6.1	DRY
Lipids (%)	7.2	DRY

ANALYTE	Value (%)	Qual
n-C12	70.2	
n-C15	78.4	
n-C17	73.7	
Pristane	77.3	
n-C18	80.1	
n-C20	83.4	
n-C21	82.1	
n-C24	75.0	
n-C28	71.4	
n-C30	67.3	
n-C32	68.1	
n-C34	75.8	
TOTAL AHC (%)	75.2	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	67.0	
C20 (Deuterated)	79.0	
C24 (Deuterated)	69.0	
C30 (Deuterated)	761.0	M

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19161

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	10.30	WET
Dry Weight (g)	0.90	DRY
Solids (%)	8.7	DRY
Lipids (%)	1.3	DRY

ANALYTE	Value (%)	Qual
n-C12	97.1	
n-C15	101.6	
n-C17	102.1	
Pristane	73.3	
n-C18	102.3	
n-C20	98.5	
n-C21	-66.9	M
n-C24	91.6	
n-C28	84.3	
n-C30	78.1	
n-C32	80.7	
n-C34	86.8	
TOTAL AHC (%)	77.5	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	95.8	
C20 (Deuterated)	98.2	
C24 (Deuterated)	124.3	
C30 (Deuterated)	152.7	M

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19162

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	11.96	WET
Dry Weight (g)	0.94	DRY
Solids (%)	7.9	DRY
Lipids (%)	1.8	DRY

ANALYTE	Value (%)	Qual
n-C12	96.8	
n-C15	101.0	
n-C17	100.3	
Pristane	72.0	
n-C18	101.3	
n-C20	96.9	
n-C21	-79.5	M
n-C24	88.6	
n-C28	79.0	
n-C30	72.9	
n-C32	76.2	
n-C34	84.3	
TOTAL AHC (%)	74.1	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	75.1	
C20 (Deuterated)	69.9	
C24 (Deuterated)	70.5	
C30 (Deuterated)	63.7	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19506

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	8.37	WET
Dry Weight (g)	0.83	DRY
Solids (%)	9.9	DRY
Lipids (%)	5.2	DRY

ANALYTE	Value (%)	Qual
n-C12	64.7	
n-C15	92.8	
n-C17	103.3	
Pristane	95.3	
n-C18	100	
n-C20	98.6	
n-C21	99.6	
n-C24	89.5	
n-C28	75.2	
n-C30	69.6	
n-C32	72.3	
n-C34	83.9	
TOTAL AHC (%)	87.1	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	47.5	
C20 (Deuterated)	84.8	
C24 (Deuterated)	87.3	
C30 (Deuterated)	87.2	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19507

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	8.1	WET
Dry Weight (g)	0.71	DRY
Solids (%)	8.8	DRY
Lipids (%)	9.0	DRY

ANALYTE	Value (%)	Qual
n-C12	73.1	
n-C15	111	
n-C17	119.2	
Pristane	112.5	
n-C18	116.9	
n-C20	114.9	
n-C21	114.4	
n-C24	103.9	
n-C28	88.2	
n-C30	81.8	
n-C32	86	
n-C34	98.4	
TOTAL AHC (%)	101.7	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	49.8	
C20 (Deuterated)	82.8	
C24 (Deuterated)	86.6	
C30 (Deuterated)	84.5	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19524

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.46	WET
Dry Weight (g)	1.11	DRY
Solids (%)	10.6	DRY
Lipids (%)	5.4	DRY

ANALYTE	Value (%)	Qual
n-C12	91.2	
n-C15	101.6	
n-C17	102.1	
Pristane	97.7	
n-C18	101	
n-C20	100.9	
n-C21	97.5	
n-C24	89.8	
n-C28	81.8	
n-C30	78.7	
n-C32	83.5	
n-C34	81.6	
TOTAL AHC (%)	92.3	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	64.8	
C20 (Deuterated)	87.8	
C24 (Deuterated)	86.5	
C30 (Deuterated)	82.9	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19525

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.12	WET
Dry Weight (g)	1.08	DRY
Solids (%)	10.7	DRY
Lipids (%)	6.7	DRY

ANALYTE	Value (%)	Qual
n-C12	90.2	
n-C15	101.4	
n-C17	105.2	
Pristane	99.9	
n-C18	104.5	
n-C20	109.9	
n-C21	100	
n-C24	92.9	
n-C28	84.7	
n-C30	82	
n-C32	86.1	
n-C34	86	
TOTAL AHC (%)	95.2	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	70	
C20 (Deuterated)	88.1	
C24 (Deuterated)	88	
C30 (Deuterated)	86.8	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19839

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.48	WET
Dry Weight (g)	0.92	DRY
Solids (%)	8.8	DRY
Lipids (%)	8.8	DRY

ANALYTE	Value (%)	Qual
n-C12	94.8	
n-C15	103.7	
n-C17	109.2	
Pristane	103.7	
n-C18	101.7	
n-C20	101.3	
n-C21	118.0	
n-C24	93.6	
n-C28	97.2	
n-C30	93.7	
n-C32	100.1	
n-C34	106.4	
TOTAL AHC (%)	102.0	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	78.0	
C20 (Deuterated)	78.0	
C24 (Deuterated)	92.0	
C30 (Deuterated)	202.0	M

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19840

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.32	WET
Dry Weight (g)	0.94	DRY
Solids (%)	9.1	DRY
Lipids (%)	9.1	DRY

ANALYTE	Value (%)	Qual
n-C12	86.7	
n-C15	90.8	
n-C17	94.3	
Pristane	89.7	
n-C18	94.6	
n-C20	86.8	
n-C21	85.5	
n-C24	82.0	
n-C28	83.3	
n-C30	80.2	
n-C32	85.4	
n-C34	89.2	
TOTAL AHC (%)	87.4	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	90.0	
C20 (Deuterated)	98.0	
C24 (Deuterated)	96.0	
C30 (Deuterated)	170.0	M

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q19853

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	20	3	PWS01TIS0054

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	11.13	WET
Dry Weight (g)	1.48	DRY
Solids (%)	13.3	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (%)	Qual
n-C12	94.0	
n-C15	96.3	
n-C17	90.1	
Pristane	90.7	
n-C18	95.1	
n-C20	90.6	
n-C21	94.1	
n-C24	83.4	
n-C28	80.9	
n-C30	68.4	
n-C32	56.0	
n-C34	45.2	
TOTAL AHC (%)	82.1	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	97.0	
C20 (Deuterated)	92.0	
C24 (Deuterated)	91.0	
C30 (Deuterated)	75.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q19854

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	20	3	PWS01TIS0054

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	10.17	WET
Dry Weight (g)	1.33	DRY
Solids (%)	13.1	DRY
Lipids (%)	10.6	DRY

ANALYTE	Value (%)	Qual
n-C12	102.7	
n-C15	110.8	
n-C17	106.4	
Pristane	104.0	
n-C18	109.5	
n-C20	105.4	
n-C21	111.2	
n-C24	97.0	
n-C28	85.3	
n-C30	69.5	
n-C32	50.7	
n-C34	41.4	
TOTAL AHC (%)	91.2	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	92.0	
C20 (Deuterated)	96.0	
C24 (Deuterated)	101.0	
C30 (Deuterated)	81.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20137

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.12	WET
Dry Weight (g)	0.73	DRY
Solids (%)	7.2	DRY
Lipids (%)	22	DRY

ANALYTE	Value (%)	Qual
n-C12	85.3	
n-C15	85.3	
n-C17	60.8	
Pristane	77.5	
n-C18	85.3	
n-C20	81.4	
n-C21	82	
n-C24	74.4	
n-C28	69.3	
n-C30	66.7	
n-C32	65.6	
n-C34	70.5	
TOTAL AHC (%)	74.4	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	95	
C20 (Deuterated)	112	
C24 (Deuterated)	86	
C30 (Deuterated)	50	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20138

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.34	WET
Dry Weight (g)	0.77	DRY
Solids (%)	7.5	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (%)	Qual
n-C12	75.9	
n-C15	77.9	
n-C17	50.5	
Pristane	71.3	
n-C18	78.1	
n-C20	75.6	
n-C21	75.8	
n-C24	69.2	
n-C28	64.9	
n-C30	62.5	
n-C32	62.1	
n-C34	70.5	
TOTAL AHC (%)	69	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	88.6	
C20 (Deuterated)	98.8	
C24 (Deuterated)	87.9	
C30 (Deuterated)	42.6	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20346

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	5.13	WET
Dry Weight (g)	0.46	DRY
Solids (%)	9.0	DRY
Lipids (%)	3.4	DRY

ANALYTE	Value (%)	Qual
n-C12	96.2	
n-C15	104.8	
n-C17	105.3	
Pristane	100.0	
n-C18	105.3	
n-C20	98.9	
n-C21	97.5	
n-C24	96.9	
n-C28	96.7	
n-C30	96.2	
n-C32	96.3	
n-C34	108.0	
TOTAL AHC (%)	100.2	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	70.0	
C20 (Deuterated)	64.0	
C24 (Deuterated)	67.0	
C30 (Deuterated)	92.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20347

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	5.30	WET
Dry Weight (g)	0.47	DRY
Solids (%)	8.8	DRY
Lipids (%)	3.2	DRY

ANALYTE	Value (%)	Qual
n-C12	99.7	
n-C15	108.8	
n-C17	113.6	
Pristane	104.9	
n-C18	110.2	
n-C20	105.2	
n-C21	105.6	
n-C24	101.4	
n-C28	101.0	
n-C30	100.3	
n-C32	100.1	
n-C34	108.6	
TOTAL AHC (%)	104.9	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	73.0	
C20 (Deuterated)	62.0	
C24 (Deuterated)	66.0	
C30 (Deuterated)	84.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE	Q20356

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	15.05	WET
Dry Weight (g)	1.36	DRY
Solids (%)	9.0	DRY
Lipids (%)	7.3	DRY

ANALYTE	Value (%)	Qual
n-C12	96.2	
n-C15	103.1	
n-C17	111.9	
Pristane	96.9	
n-C18	106.0	
n-C20	113.9	
n-C21	89.5	
n-C24	91.3	
n-C28	101.0	
n-C30	116.9	
n-C32	111.6	
n-C34	113.3	
TOTAL AHC (%)	104.3	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	61.0	
C20 (Deuterated)	59.0	
C24 (Deuterated)	59.0	
C30 (Deuterated)	114.0	

QC Sample Type	Lab Sample ID
MATRIX SPIKE DUP	Q20357

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	15.28	WET
Dry Weight (g)	1.46	DRY
Solids (%)	9.6	DRY
Lipids (%)	6.3	DRY

ANALYTE	Value (%)	Qual
n-C12	94.1	
n-C15	102.6	
n-C17	113.6	
Pristane	96.2	
n-C18	105.1	
n-C20	113.9	
n-C21	88.6	
n-C24	91.3	
n-C28	102.4	
n-C30	118.7	
n-C32	118.7	
n-C34	112.0	
TOTAL AHC (%)	104.8	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	62.0	
C20 (Deuterated)	62.0	
C24 (Deuterated)	67.0	
C30 (Deuterated)	123.0	M

QC Sample Type	Lab Sample ID
LAB BLANK SPIKE	Q20409

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (%)	Qual
n-C12	95.5	
n-C15	100.8	
n-C17	107.4	
Pristane	100.9	
n-C18	104.1	
n-C20	101.7	
n-C21	103.7	
n-C24	100.2	
n-C28	100.4	
n-C30	99.7	
n-C32	103.1	
n-C34	117.3	
TOTAL AHC (%)	102.9	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	71.0	
C20 (Deuterated)	80.0	
C24 (Deuterated)	81.0	
C30 (Deuterated)	87.0	

QC Sample Type	Lab Sample ID
LAB BLANK SPIKE DUP	Q20410

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314
Dry Weight (g)	1.00 DRY

ANALYTE	Value (%)	Qual
n-C12	89.7	
n-C15	95.2	
n-C17	101.6	
Pristane	94.5	
n-C18	98.7	
n-C20	96.6	
n-C21	97.9	
n-C24	94.5	
n-C28	93.9	
n-C30	92.7	
n-C32	96.4	
n-C34	106.7	
TOTAL AHC (%)	96.5	

(Avg % Recovery)

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	75.0	
C20 (Deuterated)	85.0	
C24 (Deuterated)	87.0	
C30 (Deuterated)	91.0	

APPENDIX C

Tissue Quality Control Results

3.0 Reference Oil

QC Sample Type	Lab Sample ID
GERG STD CHK	W41582

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	OIL
Batch	T1169
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	684.7	
C1-Naphthalenes	2656.1	
C2-Naphthalenes	2017.7	
C3-Naphthalenes	1406.4	
C4-Naphthalenes	734.6	
Biphenyl	207.1	
Acenaphthylene	26.2	
Acenaphthene	14.5	J
Fluorene	165.7	
C1-Fluorenes	370.9	
C2-Fluorenes	478.9	
C3-Fluorenes	363.2	
Anthracene	13.9	J
Phenanthrene	17.6	J
C1-Phen/Anthracenes	754.4	
C2-Phen/Anthracenes	678.0	
C3-Phen/Anthracenes	418.8	
C4-Phen/Anthracenes	315.4	
Dibenzothiophene	237.5	
C1-Dibenzothiophenes	406.6	
C2-Dibenzothiophenes	515.6	
C3-Dibenzothiophenes	417.5	
Fluoranthene	9.1	J
Pyrene	14.0	J
C1-Fluoranthenes/Pyrenes	81.2	
Benzo(a)anthracene	7.3	J
Chrysene	64.7	
C1-Chrysenes	121.2	
C2-Chrysenes	135.3	
C3-Chrysenes	32.6	
C4-Chrysenes	20.6	
Benzo(b)fluoranthene	16.1	J
Benzo(k)fluoranthene	11.9	J
Benzo(e)pyrene	2.3	J
Benzo(a)pyrene	3.4	J
Perylene	6.9	J
Indeno(1,2,3-c,d)pyrene	4.9	J
Dibenzo(a,h)anthracene	4.6	J
Benzo(g,h,i)perylene	15.1	J
TOTAL PAH (ng/mL) (Excluding Perylene)	13445.5	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	1176.7	
2-Methylnaphthalene	1479.4	
2,6-Dimethylnaphthalene	820.7	
1,6,7-Trimethylnaphthalene	453.3	
1-Methylphenanthrene	256.5	

QC Sample Type	Lab Sample ID
GERG STD CHK	W41586

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	OIL
Batch	T1168
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	708.7	
C1-Naphthalenes	2860.0	
C2-Naphthalenes	2113.1	
C3-Naphthalenes	1501.4	
C4-Naphthalenes	698.8	
Biphenyl	282.4	
Acenaphthylene	33.6	
Acenaphthene	18.6	J
Fluorene	211.5	Q
C1-Fluorenes	419.5	
C2-Fluorenes	606.1	
C3-Fluorenes	295.7	
Anthracene	10.7	J
Phenanthrene	382.3	
C1-Phen/Anthracenes	719.9	
C2-Phen/Anthracenes	713.3	
C3-Phen/Anthracenes	509.5	
C4-Phen/Anthracenes	350.0	
Dibenzothiophene	255.6	
C1-Dibenzothiophenes	412.2	
C2-Dibenzothiophenes	535.4	
C3-Dibenzothiophenes	403.9	
Fluoranthene	10.8	J
Pyrene	11.0	J
C1-Fluoranthenes/Pyrenes	82.4	
Benzo(a)anthracene	5.0	J
Chrysene	68.8	
C1-Chrysenes	141.0	
C2-Chrysenes	98.9	
C3-Chrysenes	37.2	
C4-Chrysenes	19.7	J
Benzo(b)fluoranthene	1.2	J
Benzo(k)fluoranthene	1.2	J
Benzo(e)pyrene	2.4	J
Benzo(a)pyrene	1.6	J
Perylene	4.1	J
Indeno(1,2,3-c,d)pyrene	0.4	J
Dibenzo(a,h)anthracene	2.1	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/mL) (Excluding Perylene)	14526.1	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	1270.0	
2-Methylnaphthalene	1590.0	
2,6-Dimethylnaphthalene	1145.9	
1,6,7-Trimethylnaphthalene	623.2	
1-Methylphenanthrene	247.8	

QC Sample Type	Lab Sample ID
GERG STD CHK	W41742

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	OIL
Batch	T1198
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	739.2	
C1-Naphthalenes	2881.3	
C2-Naphthalenes	2285.9	
C3-Naphthalenes	1384.4	
C4-Naphthalenes	623.9	
Biphenyl	265.7	
Acenaphthylene	1.3	J
Acenaphthene	9.5	J
Fluorene	204.8	Q
C1-Fluorenes	390.4	
C2-Fluorenes	484.0	
C3-Fluorenes	257.1	
Anthracene	13.8	J
Phenanthrene	396.6	
C1-Phen/Anthracenes	655.2	
C2-Phen/Anthracenes	547.1	
C3-Phen/Anthracenes	353.8	
C4-Phen/Anthracenes	240.8	
Dibenzothiophene	247.2	
C1-Dibenzothiophenes	287.7	
C2-Dibenzothiophenes	419.3	
C3-Dibenzothiophenes	316.3	
Fluoranthene	6.5	J
Pyrene	14.6	J
C1-Fluoranthenes/Pyrenes	70.5	
Benzo(a)anthracene	5.1	J
Chrysene	86.1	
C1-Chrysenes	133.2	
C2-Chrysenes	143.8	
C3-Chrysenes	40.8	
C4-Chrysenes	25.6	
Benzo(b)fluoranthene	1.6	J
Benzo(k)fluoranthene	15.1	J
Benzo(e)pyrene	24.5	
Benzo(a)pyrene	6.6	J
Perylene	3.9	J
Indeno(1,2,3-c,d)pyrene	6.7	J
Dibenzo(a,h)anthracene	8.9	J
Benzo(g,h,i)perylene	12.1	J
TOTAL PAH (ng/mL) (Excluding Perylene)	13606.9	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	1289.9	
2-Methylnaphthalene	1591.4	
2,6-Dimethylnaphthalene	1119.8	
1,6,7-Trimethylnaphthalene	537.1	
1-Methylphenanthrene	257.5	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42033a

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1246
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	608.5	
C1-Naphthalenes	1658.9	
C2-Naphthalenes	1606.8	
C3-Naphthalenes	1242	
C4-Naphthalenes	727.3	
Biphenyl	60.2	
Acenaphthylene	28	
Acenaphthene	13	J
Fluorene	101	
C1-Fluorenes	261.9	
C2-Fluorenes	307.4	
C3-Fluorenes	366.5	
Anthracene	21.4	
Phenanthrene	141.9	
C1-Phen/Anthracenes	294.3	
C2-Phen/Anthracenes	337.1	
C3-Phen/Anthracenes	275.2	
C4-Phen/Anthracenes	113.4	
Dibenzothiophene	18.8	J
C1-Dibenzothiophenes	64.7	
C2-Dibenzothiophenes	59.3	
C3-Dibenzothiophenes	1.1	J
Fluoranthene	5.1	J
Pyrene	3.7	J
C1-Fluoranthenes/Pyrenes	49.3	
Benzo(a)anthracene	3.8	J
Chrysene	8.9	J
C1-Chrysenes	35.8	
C2-Chrysenes	64.5	
C3-Chrysenes	6.5	J
C4-Chrysenes	8.5	J
Benzo(b)fluoranthene	3.5	J
Benzo(k)fluoranthene	2.8	J
Benzo(e)pyrene	2.2	J
Benzo(a)pyrene	1.3	J
Perylene	14.7	J
Indeno(1,2,3-c,d)pyrene	1.5	J
Dibenzo(a,h)anthracene	1.6	J
Benzo(g,h,i)perylene	1.3	J
TOTAL PAH (ng/mL) (Excluding Perylene)	8509.1	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	690.8	
2-Methylnaphthalene	968.1	
2,6-Dimethylnaphthalene	715.5	
1,6,7-Trimethylnaphthalene	491.3	
1-Methylphenanthrene	97.5	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42036

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1234
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	738.4	
C1-Naphthalenes	1882.9	
C2-Naphthalenes	1701	
C3-Naphthalenes	1330	
C4-Naphthalenes	672.4	
Biphenyl	72.8	
Acenaphthylene	36.1	
Acenaphthene	41.4	
Fluorene	114.4	
C1-Fluorenes	273.5	
C2-Fluorenes	322.4	
C3-Fluorenes	286.5	
Anthracene	26.3	
Phenanthrene	158.4	
C1-Phen/Anthracenes	264	
C2-Phen/Anthracenes	340.4	
C3-Phen/Anthracenes	260	
C4-Phen/Anthracenes	122.5	
Dibenzothiophene	23.9	
C1-Dibenzothiophenes	76	
C2-Dibenzothiophenes	60.1	
C3-Dibenzothiophenes	40.3	
Fluoranthene	7.6	J
Pyrene	7.5	J
C1-Fluoranthenes/Pyrenes	48.9	
Benzo(a)anthracene	5.6	J
Chrysene	15.4	J
C1-Chrysenes	28.5	
C2-Chrysenes	42.8	
C3-Chrysenes	11.4	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	1.7	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	0.2	J
Benzo(a)pyrene	0.9	J
Perylene	17.8	J
Indeno(1,2,3-c,d)pyrene	0.4	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	1.6	J
TOTAL PAH (ng/mL) (Excluding Perylene)	9016.8	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	795.3	
2-Methylnaphthalene	1087.6	
2,6-Dimethylnaphthalene	825.4	
1,6,7-Trimethylnaphthalene	703.1	
1-Methylphenanthrene	99.5	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42045

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1236
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	505.7	
C1-Naphthalenes	1481.8	
C2-Naphthalenes	1247.3	
C3-Naphthalenes	944.9	
C4-Naphthalenes	532.5	
Biphenyl	58.2	
Acenaphthylene	27.1	
Acenaphthene	6.6	J
Fluorene	111.6	
C1-Fluorenes	275.7	
C2-Fluorenes	326.7	
C3-Fluorenes	394.7	
Anthracene	23.4	
Phenanthrene	145	
C1-Phen/Anthracenes	303.8	
C2-Phen/Anthracenes	329.9	
C3-Phen/Anthracenes	251.3	
C4-Phen/Anthracenes	155.5	
Dibenzothiophene	21	
C1-Dibenzothiophenes	65.5	
C2-Dibenzothiophenes	55	
C3-Dibenzothiophenes	19.8	J
Fluoranthene	6.7	J
Pyrene	5.5	J
C1-Fluoranthenes/Pyrenes	54.9	
Benzo(a)anthracene	5	J
Chrysene	12.8	J
C1-Chrysenes	21.8	
C2-Chrysenes	31.2	
C3-Chrysenes	5.7	J
C4-Chrysenes	0.3	J
Benzo(b)fluoranthene	1.8	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	3.1	J
Benzo(a)pyrene	2	J
Perylene	9.6	J
Indeno(1,2,3-c,d)pyrene	0.9	J
Dibenzo(a,h)anthracene	1.1	J
Benzo(g,h,i)perylene	0.5	J
TOTAL PAH (ng/mL) (Excluding Perylene)	7435.9	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	615.9	
2-Methylnaphthalene	865.9	
2,6-Dimethylnaphthalene	705.1	
1,6,7-Trimethylnaphthalene	397.3	
1-Methylphenanthrene	103.7	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42221

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	OIL
Batch	T1259
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	573.8	
C1-Naphthalenes	1644.8	
C2-Naphthalenes	1501.0	
C3-Naphthalenes	932.0	
C4-Naphthalenes	743.6	
Biphenyl	88.1	
Acenaphthylene	37.8	
Acenaphthene	14.5	J
Fluorene	121.0	
C1-Fluorenes	292.0	
C2-Fluorenes	368.4	
C3-Fluorenes	330.4	
Anthracene	26.0	
Phenanthrene	143.3	
C1-Phen/Anthracenes	328.6	
C2-Phen/Anthracenes	423.4	
C3-Phen/Anthracenes	264.2	
C4-Phen/Anthracenes	139.9	
Dibenzothiophene	20.8	
C1-Dibenzothiophenes	76.9	
C2-Dibenzothiophenes	61.2	
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	7.4	J
Pyrene	14.9	J
C1-Fluoranthenes/Pyrenes	65.4	
Benzo(a)anthracene	4.6	J
Chrysene	13.5	J
C1-Chrysenes	35.9	
C2-Chrysenes	46.1	
C3-Chrysenes	0.4	J
C4-Chrysenes	0.7	J
Benzo(b)fluoranthene	1.8	J
Benzo(k)fluoranthene	0.8	J
Benzo(e)pyrene	6.2	J
Benzo(a)pyrene	0.9	J
Perylene	10.7	J
Indeno(1,2,3-c,d)pyrene	0.7	J
Dibenzo(a,h)anthracene	0.3	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/mL) (Excluding Perylene)	8331.5	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	651.1	
2-Methylnaphthalene	993.7	
2,6-Dimethylnaphthalene	769.2	
1,6,7-Trimethylnaphthalene	525.8	
1-Methylphenanthrene	103.9	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42236

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	OIL
Batch	T1261
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	532.0	
C1-Naphthalenes	1514.2	
C2-Naphthalenes	1332.0	
C3-Naphthalenes	681.5	
C4-Naphthalenes	617.3	
Biphenyl	84.9	
Acenaphthylene	36.5	
Acenaphthene	14.1	J
Fluorene	110.9	
C1-Fluorenes	266.9	
C2-Fluorenes	497.6	
C3-Fluorenes	260.3	
Anthracene	22.1	
Phenanthrene	138.2	
C1-Phen/Anthracenes	299.8	
C2-Phen/Anthracenes	354.6	
C3-Phen/Anthracenes	285.5	
C4-Phen/Anthracenes	112.9	
Dibenzothiophene	19.8	J
C1-Dibenzothiophenes	71.8	
C2-Dibenzothiophenes	55.0	
C3-Dibenzothiophenes	54.1	
Fluoranthene	6.3	J
Pyrene	12.2	J
C1-Fluoranthenes/Pyrenes	54.8	
Benzo(a)anthracene	6.6	J
Chrysene	13.7	J
C1-Chrysenes	39.1	
C2-Chrysenes	57.6	
C3-Chrysenes	9.1	J
C4-Chrysenes	8.0	J
Benzo(b)fluoranthene	1.2	J
Benzo(k)fluoranthene	1.2	J
Benzo(e)pyrene	4.7	J
Benzo(a)pyrene	1.1	J
Perylene	11.5	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.3	J
Benzo(g,h,i)perylene	0.4	J
TOTAL PAH (ng/mL) (Excluding Perylene)	7578.2	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	604.0	
2-Methylnaphthalene	910.3	
2,6-Dimethylnaphthalene	746.2	
1,6,7-Trimethylnaphthalene	486.4	
1-Methylphenanthrene	97.9	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42548

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	OIL
Batch	T1282
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	595	
C1-Naphthalenes	1682.5	
C2-Naphthalenes	1680.4	
C3-Naphthalenes	1325.2	
C4-Naphthalenes	877.6	
Biphenyl	60	
Acenaphthylene	35.7	
Acenaphthene	6.2	J
Fluorene	121.8	
C1-Fluorenes	372.8	
C2-Fluorenes	438.1	
C3-Fluorenes	503.4	
Anthracene	27.8	
Phenanthrene	150.6	
C1-Phen/Anthracenes	337.8	
C2-Phen/Anthracenes	412.2	
C3-Phen/Anthracenes	279.5	
C4-Phen/Anthracenes	149.7	
Dibenzothiophene	22.9	
C1-Dibenzothiophenes	92.6	
C2-Dibenzothiophenes	85.6	
C3-Dibenzothiophenes	52.7	
Fluoranthene	7.4	J
Pyrene	1.9	J
C1-Fluoranthenes/Pyrenes	71.6	
Benzo(a)anthracene	6.8	J
Chrysene	13.8	J
C1-Chrysenes	31.1	
C2-Chrysenes	43.2	
C3-Chrysenes	0.2	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	1.7	J
Benzo(k)fluoranthene	3.5	J
Benzo(e)pyrene	2.3	J
Benzo(a)pyrene	0.5	J
Perylene	11	J
Indeno(1,2,3-c,d)pyrene	0.7	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.6	J
TOTAL PAH (ng/mL) (Excluding Perylene)	9495.7	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	694.9	
2-Methylnaphthalene	987.5	
2,6-Dimethylnaphthalene	768.8	
1,6,7-Trimethylnaphthalene	561.7	
1-Methylphenanthrene	124.2	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42637

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix: OIL
Batch: T1309
Volume (mL): 1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	573.1	
C1-Naphthalenes	1632.3	
C2-Naphthalenes	1706.6	
C3-Naphthalenes	1559.5	
C4-Naphthalenes	753.8	
Biphenyl	65.0	
Acenaphthylene	35.7	
Acenaphthene	5.5	J
Fluorene	136.6	
C1-Fluorenes	356.5	
C2-Fluorenes	532.8	
C3-Fluorenes	502.7	
Anthracene	13.2	J
Phenanthrene	131.7	
C1-Phen/Anthracenes	322.4	
C2-Phen/Anthracenes	396.9	
C3-Phen/Anthracenes	294.5	
C4-Phen/Anthracenes	148.7	
Dibenzothiophene	20.8	
C1-Dibenzothiophenes	88.9	
C2-Dibenzothiophenes	74.3	
C3-Dibenzothiophenes	53.8	
Fluoranthene	6.1	J
Pyrene	4.8	J
C1-Fluoranthenes/Pyrenes	82.0	
Benzo(a)anthracene	6.2	J
Chrysene	11.0	J
C1-Chrysenes	26.8	
C2-Chrysenes	1.9	J
C3-Chrysenes	2.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	2.2	J
Benzo(k)fluoranthene	0.6	J
Benzo(e)pyrene	3.3	J
Benzo(a)pyrene	1.4	J
Perylene	13.0	J
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.9	J
Benzo(g,h,i)perylene	0.1	J
TOTAL PAH (ng/mL) (Excluding Perylene)	9555.2	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	670.0	
2-Methylnaphthalene	962.2	
2,6-Dimethylnaphthalene	839.8	
1,6,7-Trimethylnaphthalene	643.5	
1-Methylphenanthrene	107.0	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42642

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix: OIL
Batch: T1310
Volume (mL): 1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	598.6	
C1-Naphthalenes	1682.2	
C2-Naphthalenes	1741.5	
C3-Naphthalenes	1606.2	
C4-Naphthalenes	836.8	
Biphenyl	73.6	
Acenaphthylene	7.2	J
Acenaphthene	10.3	J
Fluorene	143.3	
C1-Fluorenes	386.4	
C2-Fluorenes	540.0	
C3-Fluorenes	501.5	
Anthracene	14.9	J
Phenanthrene	136.3	
C1-Phen/Anthracenes	315.0	
C2-Phen/Anthracenes	429.2	
C3-Phen/Anthracenes	322.6	
C4-Phen/Anthracenes	169.8	
Dibenzothiophene	21.0	
C1-Dibenzothiophenes	81.1	
C2-Dibenzothiophenes	64.3	
C3-Dibenzothiophenes	53.1	
Fluoranthene	7.0	J
Pyrene	4.8	J
C1-Fluoranthenes/Pyrenes	74.8	
Benzo(a)anthracene	6.6	J
Chrysene	11.9	J
C1-Chrysenes	0.2	J
C2-Chrysenes	0.4	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	2.4	J
Benzo(k)fluoranthene	1.4	J
Benzo(e)pyrene	2.2	J
Benzo(a)pyrene	1.7	J
Perylene	13.3	J
Indeno(1,2,3-c,d)pyrene	0.8	J
Dibenzo(a,h)anthracene	0.4	J
Benzo(g,h,i)perylene	1.2	J
TOTAL PAH (ng/mL) (Excluding Perylene)	9851.0	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	697.2	
2-Methylnaphthalene	985.0	
2,6-Dimethylnaphthalene	917.2	
1,6,7-Trimethylnaphthalene	666.5	
1-Methylphenanthrene	107.8	

QC Sample Type	Lab Sample ID
STD OIL 2000	W42657

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix: OIL
Batch: T1314
Volume (mL): 1.0 WET

ANALYTE	Value (ng/mL)	Qual
Naphthalene	547.3	
C1-Naphthalenes	1553.6	
C2-Naphthalenes	1511.5	
C3-Naphthalenes	1323.0	
C4-Naphthalenes	747.0	
Biphenyl	68.9	
Acenaphthylene	24.6	
Acenaphthene	2.5	J
Fluorene	90.4	
C1-Fluorenes	264.2	
C2-Fluorenes	449.7	
C3-Fluorenes	383.4	
Anthracene	18.1	J
Phenanthrene	140.8	
C1-Phen/Anthracenes	337.5	
C2-Phen/Anthracenes	433.8	
C3-Phen/Anthracenes	356.6	
C4-Phen/Anthracenes	201.9	
Dibenzothiophene	22.3	
C1-Dibenzothiophenes	78.0	
C2-Dibenzothiophenes	99.7	
C3-Dibenzothiophenes	62.1	
Fluoranthene	7.2	J
Pyrene	7.9	J
C1-Fluoranthenes/Pyrenes	78.9	
Benzo(a)anthracene	6.6	J
Chrysene	12.8	J
C1-Chrysenes	32.2	
C2-Chrysenes	44.5	
C3-Chrysenes	5.3	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	3.0	J
Benzo(k)fluoranthene	3.9	J
Benzo(e)pyrene	2.1	J
Benzo(a)pyrene	2.8	J
Perylene	12.9	J
Indeno(1,2,3-c,d)pyrene	0.2	J
Dibenzo(a,h)anthracene	0.6	J
Benzo(g,h,i)perylene	0.2	J
TOTAL PAH (ng/mL) (Excluding Perylene)	8925.1	

Specific Isomers	Value (ng/mL)	Qual
1-Methylnaphthalene	654.2	
2-Methylnaphthalene	899.5	
2,6-Dimethylnaphthalene	654.0	
1,6,7-Trimethylnaphthalene	492.5	
1-Methylphenanthrene	117.8	

QC Sample Type	Lab Sample ID
GERG STD CHK	W00330

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	OIL
Batch	T1169
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	2686.1	Q
n-C11	2479.3	
n-C12	3844.1	
n-C13	4718.4	
n-C14	4262.9	
n-C15	4010.7	
n-C16	3784.4	
n-C17	3697.4	
Pristane	2085.5	
n-C18	3122.4	
Phytane	1489.1	
n-C19	2964.8	
n-C20	2698.9	
n-C21	2693.4	
n-C22	2530.8	
n-C23	2251.1	
n-C24	2114.3	
n-C25	1984.8	
n-C26	1688.9	
n-C27	1311.6	
n-C28	1069.4	
n-C29	903.8	
n-C30	742.5	
n-C31	614.4	
n-C32	540.2	
n-C33	413.8	
n-C34	423.2	
TOTAL AHC ()	61126.0	

TRUAHC (ug/mL)	601.7
TOTAL RAHC (ug/mL)	109.90
UCM (ug/mL)	491.8

QC Sample Type	Lab Sample ID
GERG STD CHK	W00334

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	17		Use Batch Info

Matrix	OIL
Batch	T1168
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	1135.8	
n-C11	2920.8	
n-C12	4076.8	
n-C13	4321.3	
n-C14	4481.8	
n-C15	4522.8	
n-C16	4412.1	
n-C17	4051.9	
Pristane	2521.3	
n-C18	3553.0	
Phytane	1967.3	
n-C19	3385.9	
n-C20	2951.4	
n-C21	2965.6	
n-C22	2709.2	
n-C23	2343.3	
n-C24	2256.0	
n-C25	2063.2	
n-C26	1723.4	
n-C27	1441.4	
n-C28	1083.4	
n-C29	904.4	
n-C30	605.9	
n-C31	671.1	
n-C32	468.5	
n-C33	351.1	
n-C34	259.1	
TOTAL AHC ()	64147.9	

TRUAHC (ug/mL)	643.1
TOTAL RAHC (ug/mL)	113.20
UCM (ug/mL)	529.9

QC Sample Type	Lab Sample ID
GERG STD CHK	W00374

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	OIL
Batch	T1198
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	1142.2	
n-C11	3039.1	
n-C12	4243.4	
n-C13	4079.2	
n-C14	4560.5	
n-C15	4889.2	
n-C16	4367.7	
n-C17	4152.6	
Pristane	2292.8	
n-C18	3241.5	
Phytane	1925.6	
n-C19	3281.0	
n-C20	2963.5	
n-C21	2902.3	
n-C22	2591.5	
n-C23	2235.6	
n-C24	2261.2	
n-C25	2018.3	
n-C26	1685.6	
n-C27	1339.9	
n-C28	1006.4	
n-C29	746.8	
n-C30	717.5	
n-C31	519.8	
n-C32	466.6	
n-C33	307.9	
n-C34	442.1	

TOTAL AHC (ng/mL)	63419

TRUAHC (ug/mL)	665.2
TOTAL RAHC (ug/mL)	113.48
UCM (ug/mL)	551.74

QC Sample Type	Lab Sample ID
STD OIL 2000	W00529

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1234
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	4342.7	
n-C11	4121.4	
n-C12	4386.8	
n-C13	5105.2	
n-C14	4807.2	
n-C15	5473.5	
n-C16	4776.7	
n-C17	4768.8	
Pristane	5577.9	
n-C18	4176.5	
Phytane	2130.6	
n-C19	3775.2	
n-C20	3624.2	
n-C21	3340.9	
n-C22	2944	
n-C23	2657.6	
n-C24	2464.7	
n-C25	2355.8	
n-C26	1861.5	
n-C27	1715.3	
n-C28	1463.1	
n-C29	1235.8	
n-C30	955.2	
n-C31	1102.3	
n-C32	621.3	
n-C33	630.3	
n-C34	334	

TOTAL AHC (ng/mL) 80749

TRUAHC (ug/mL)	223.77
TOTAL RAHC (ug/mL)	115.21
UCM (ug/mL)	108.56

QC Sample Type	Lab Sample ID
STD OIL 2000	W00545.D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1236
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	4627.7	
n-C11	4554	
n-C12	4743.1	
n-C13	5091.3	
n-C14	4815.3	
n-C15	5757.8	
n-C16	5327	
n-C17	4896.6	
Pristane	5842.8	
n-C18	4535.7	
Phytane	2383.7	
n-C19	4149.3	
n-C20	3688.7	
n-C21	3498.3	
n-C22	3122.1	
n-C23	2807.8	
n-C24	2588.1	
n-C25	2512.8	
n-C26	1924.3	
n-C27	1884.6	
n-C28	1576.1	
n-C29	1331.9	
n-C30	1041.2	
n-C31	1217.9	
n-C32	676.9	
n-C33	663	
n-C34	404	

TOTAL AHC (ng/mL) 85662

TRUAHC (ug/mL)	231.3
TOTAL RAHC (ug/mL)	119.6
UCM (ug/mL)	111.7

QC Sample Type	Lab Sample ID
STD OIL 2000	W00572

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	OIL
Batch	T1246
Volume (mL)	1.0

ANALYTE	Value (ng/mL)	Qual
n-C10	3444.9	
n-C11	4422.7	
n-C12	4364.3	
n-C13	4188.2	
n-C14	4356.3	
n-C15	4898.7	
n-C16	5291.6	
n-C17	5167.4	
Pristane	6027.4	
n-C18	4313.4	
Phytane	2333.7	
n-C19	4247.8	
n-C20	3844.5	
n-C21	3729.9	
n-C22	3266	
n-C23	2962.8	
n-C24	2725.3	
n-C25	2732.3	
n-C26	2132.5	
n-C27	2129.5	
n-C28	1709	
n-C29	1702.1	
n-C30	1104.7	
n-C31	1142.6	
n-C32	725.9	
n-C33	623.8	
n-C34	347.6	

TOTAL AHC (ng/mL) 83935

TRUAHC (ug/mL)	337.86
TOTAL RAHC (ug/mL)	122
UCM (ug/mL)	215.86

QC Sample Type	Lab Sample ID
STD OIL 2000	W00607

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	OIL
Batch	T1259
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	4361.8	
n-C11	4681.3	
n-C12	4556.2	
n-C13	4221.9	
n-C14	4400.2	
n-C15	4862.7	
n-C16	5290.1	
n-C17	5104.9	
Pristane	5893.8	
n-C18	4207.2	
Phytane	2252.0	
n-C19	4211.6	
n-C20	3773.0	
n-C21	3684.7	
n-C22	3194.4	
n-C23	2900.9	
n-C24	2656.0	
n-C25	2682.6	
n-C26	2081.5	
n-C27	2106.4	
n-C28	1709.9	
n-C29	1674.1	
n-C30	1076.8	
n-C31	1086.1	
n-C32	723.7	
n-C33	648.4	
n-C34	385.9	J

TOTAL AHC (ng/mL) 84428.2

TRUAHC (ug/mL)	303.2
TOTAL RAHC (ug/mL)	124.1
UCM (ug/mL)	179.1

QC Sample Type	Lab Sample ID
STD OIL 2000	W00611

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	OIL
Batch	T1261
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	4598.7	
n-C11	4444.7	
n-C12	4677.3	
n-C13	4984.1	
n-C14	4782.3	
n-C15	5471.7	
n-C16	5321.8	
n-C17	5103.8	
Pristane	5861.0	
n-C18	4150.0	
Phytane	2443.1	
n-C19	4073.6	
n-C20	3829.7	
n-C21	3527.9	
n-C22	3072.6	
n-C23	2761.7	
n-C24	2563.4	
n-C25	2487.1	
n-C26	1980.3	
n-C27	1953.2	
n-C28	1525.9	
n-C29	1318.0	
n-C30	1071.0	
n-C31	975.1	
n-C32	632.5	
n-C33	491.5	
n-C34	339.1	J

TOTAL AHC (ng/mL) 84441.2

TRUAHC (ug/mL)	258.1
TOTAL RAHC (ug/mL)	122.1
UCM (ug/mL)	136.0

QC Sample Type	Lab Sample ID
STD OIL 2000	W00666

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	OIL
Batch	T1282
Volume (mL)	1.0 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	5832.5	
n-C11	5675.5	
n-C12	5523	
n-C13	6320.1	
n-C14	5523.1	
n-C15	5886.8	
n-C16	5775.2	
n-C17	5406.3	
Pristane	6360.9	
n-C18	4303.8	
Phytane	2421.7	J
n-C19	4083.3	
n-C20	3896.5	
n-C21	3921.2	
n-C22	3430.8	
n-C23	3106.6	
n-C24	2888.1	
n-C25	2856.1	
n-C26	2217.3	
n-C27	2217.1	
n-C28	1719.3	
n-C29	1428.6	
n-C30	1226	
n-C31	1066.1	
n-C32	833.8	
n-C33	611.4	
n-C34	340.3	

TOTAL AHC (ng/g)	93367.7

TRUAHC (ug/g)	286
TOTAL RAHC (ug/g)	140.3
UCM (ug/g)	145.7

QC Sample Type	Lab Sample ID
STD OIL 2000	W00742

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	OIL
Batch	T1309
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	3629.1	
n-C11	3942.0	
n-C12	3818.9	
n-C13	4186.0	
n-C14	5234.9	
n-C15	5002.4	
n-C16	4606.6	
n-C17	5148.6	
Pristane	5520.4	
n-C18	3831.0	
Phytane	1793.1	
n-C19	3728.8	
n-C20	3343.5	
n-C21	3233.2	
n-C22	2842.7	
n-C23	2654.6	
n-C24	2485.0	
n-C25	2366.5	
n-C26	1912.2	
n-C27	1877.2	
n-C28	1493.8	
n-C29	1544.5	
n-C30	1184.3	
n-C31	1124.4	
n-C32	717.0	
n-C33	537.8	
n-C34	499.3	

TOTAL AHC (ng/mL) 78258

TRUAHC (ug/mL)	343.82
TOTAL RAHC (ug/mL)	133.06
UCM (ug/mL)	210.76

QC Sample Type	Lab Sample ID
STD OIL 2000	W00742.D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	OIL
Batch	T1310
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	3442.6	
n-C11	4170.6	
n-C12	4279.5	
n-C13	4611.2	
n-C14	5680.4	
n-C15	5370.4	
n-C16	4928.0	
n-C17	5470.1	
Pristane	5953.7	
n-C18	4075.3	
Phytane	1962.8	
n-C19	4049.7	
n-C20	3509.0	
n-C21	3427.1	
n-C22	2989.6	
n-C23	2766.9	
n-C24	2610.0	
n-C25	2479.7	
n-C26	1996.8	
n-C27	1928.3	
n-C28	1614.3	
n-C29	1583.9	
n-C30	1221.6	
n-C31	1170.7	
n-C32	800.8	
n-C33	572.2	
n-C34	409.3	

TOTAL AHC (ng/mL) 83074

TRUAHC (ug/mL)	223.65
TOTAL RAHC (ug/mL)	113.28
UCM (ug/mL)	110.38

QC Sample Type	Lab Sample ID
STD OIL 2000	W00773

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	OIL
Batch	T1314
Volume (mL)	1.00 WET

ANALYTE	Value (ng/mL)	Qual
n-C10	3293.5	
n-C11	3739.3	
n-C12	3517.6	
n-C13	4091.2	
n-C14	5081.3	
n-C15	5071.2	
n-C16	4814.7	
n-C17	5150.7	
Pristane	5801.5	
n-C18	3963.9	
Phytane	2014.3	
n-C19	3739.5	
n-C20	3446.1	
n-C21	3341.7	
n-C22	2946.2	
n-C23	2740.8	
n-C24	2614.4	
n-C25	2434.6	
n-C26	1970.9	
n-C27	1897.3	
n-C28	1573.6	
n-C29	1574.9	
n-C30	1239.1	
n-C31	1112.6	
n-C32	833.3	
n-C33	563.7	
n-C34	512.1	

TOTAL AHC (ng/mL) 78569

TRUAHC (ug/mL)	288.56
TOTAL RAHC (ug/mL)	121.12
UCM (ug/mL)	167.44

APPENDIX C

Tissue Quality Control Results

4.0 Standard Reference Materials

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q18941

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
17			Use Batch Info

Matrix	TISSUE
Batch	T1168

Dry Weight (g)	0.44	DRY
Lipids (%)	2.9	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	28.3	J
C1-Naphthalenes	24.9	J
C2-Naphthalenes	23.4	J
C3-Naphthalenes	14.4	J
C4-Naphthalenes	17.0	J
Biphenyl	6.9	J
Acenaphthylene	13.0	J
Acenaphthene	2.2	J
Fluorene	6.1	J
C1-Fluorenes	17.9	J
C2-Fluorenes	15.8	J
C3-Fluorenes	17.6	J
Anthracene	39.6	
Phenanthrene	17.9	J
C1-Phen/Anthracenes	41.1	
C2-Phen/Anthracenes	64.0	
C3-Phen/Anthracenes	74.3	
C4-Phen/Anthracenes	43.7	
Dibenzothiophene	2.6	J
C1-Dibenzothiophenes	6.6	J
C2-Dibenzothiophenes	34.8	
C3-Dibenzothiophenes	30.9	
Fluoranthene	120.0	
Pyrene	95.7	
C1-Fluoranthenes/Pyrenes	53.3	
Benzo(a)anthracene	28.9	
Chrysene	92.8	
C1-Chrysenes	51.4	
C2-Chrysenes	18.5	J
C3-Chrysenes	0.4	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	51.7	
Benzo(k)fluoranthene	18.4	
Benzo(e)pyrene	74.1	
Benzo(a)pyrene	10.7	J
Perylene	6.6	J
Indeno(1,2,3-c,d)pyrene	12.7	
Dibenzo(a,h)anthracene	3.9	J
Benzo(g,h,i)perylene	22.6	
TOTAL PAH (ng/g) (Excluding Perylene)	1197.8	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	9.8	J
2-Methylnaphthalene	15.1	J
2,6-Dimethylnaphthalene	11.2	J
1,6,7-Trimethylnaphthalene	7.7	J
1-Methylphenanthrene	9.7	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	67.1	
Acenapthene-D10	71.1	
Phenanthrene-D10	73.7	
Chrysene-D12	57.4	
Perylene-D12	57.9	

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q18947

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
17			Use Batch Info

Matrix	TISSUE
Batch	T1169

Dry Weight (g)	0.47	DRY
Lipids (%)	2.5	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	22.2	J
C1-Naphthalenes	13.9	J
C2-Naphthalenes	26.9	J
C3-Naphthalenes	6.5	J
C4-Naphthalenes	3.3	J
Biphenyl	7.0	J
Acenaphthylene	13.2	J
Acenaphthene	22.2	J
Fluorene	5.6	J
C1-Fluorenes	49.7	J
C2-Fluorenes	40.5	J
C3-Fluorenes	94.0	
Anthracene	27.7	
Phenanthrene	17.6	J
C1-Phen/Anthracenes	33.4	J
C2-Phen/Anthracenes	53.3	
C3-Phen/Anthracenes	60.3	
C4-Phen/Anthracenes	34.4	J
Dibenzothiophene	2.1	J
C1-Dibenzothiophenes	9.8	J
C2-Dibenzothiophenes	30.6	
C3-Dibenzothiophenes	43.8	
Fluoranthene	117.5	
Pyrene	93.9	
C1-Fluoranthenes/Pyrenes	74.1	
Benzo(a)anthracene	25.3	
Chrysene	129.9	
C1-Chrysenes	56.2	
C2-Chrysenes	27.2	J
C3-Chrysenes	4.2	J
C4-Chrysenes	1.8	J
Benzo(b)fluoranthene	29.0	
Benzo(k)fluoranthene	16.4	
Benzo(e)pyrene	78.9	
Benzo(a)pyrene	18.4	
Perylene	6.5	J
Indeno(1,2,3-c,d)pyrene	6.4	J
Dibenzo(a,h)anthracene	1.9	J
Benzo(g,h,i)perylene	17.6	
TOTAL PAH (ng/g) (Excluding Perylene)	1316.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	5.6	J
2-Methylnaphthalene	8.3	J
2,6-Dimethylnaphthalene	6.4	J
1,6,7-Trimethylnaphthalene	5.5	J
1-Methylphenanthrene	7.7	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	78.5	
Acenapthene-D10	83.5	
Phenanthrene-D10	89.5	
Chrysene-D12	49.2	
Perylene-D12	69.1	

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q19159

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	TISSUE
Batch	T1198

Dry Weight (g)	0.41	DRY
Lipids (%)	2.9	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	18.7	J
C1-Naphthalenes	14.6	J
C2-Naphthalenes	19.2	J
C3-Naphthalenes	7.1	J
C4-Naphthalenes	1.8	J
Biphenyl	6.3	J
Acenaphthylene	19.4	J
Acenaphthene	3.6	J
Fluorene	6.5	J
C1-Fluorenes	14.8	J
C2-Fluorenes	4.9	J
C3-Fluorenes	5.1	J
Anthracene	24.8	J
Phenanthrene	17.6	J
C1-Phen/Anthracenes	33.0	J
C2-Phen/Anthracenes	49.8	
C3-Phen/Anthracenes	58.2	
C4-Phen/Anthracenes	30.4	J
Dibenzothiophene	2.6	J
C1-Dibenzothiophenes	5.6	J
C2-Dibenzothiophenes	21.8	
C3-Dibenzothiophenes	23.4	
Fluoranthene	151.4	
Pyrene	133.3	
C1-Fluoranthenes/Pyrenes	62.7	
Benzo(a)anthracene	21.0	J
Chrysene	67.2	
C1-Chrysenes	26.0	J
C2-Chrysenes	7.5	J
C3-Chrysenes	0.2	J
C4-Chrysenes	0.4	J
Benzo(b)fluoranthene	58.2	
Benzo(k)fluoranthene	22.7	
Benzo(e)pyrene	83.3	
Benzo(a)pyrene	12.7	J
Perylene	6.8	J
Indeno(1,2,3-c,d)pyrene	10.4	
Dibenzo(a,h)anthracene	3.3	J
Benzo(g,h,i)perylene	24.9	
TOTAL PAH (ng/g) (Excluding Perylene)	1074.0	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	6.1	J
2-Methylnaphthalene	8.5	J
2,6-Dimethylnaphthalene	6.9	J
1,6,7-Trimethylnaphthalene	9.2	J
1-Methylphenanthrene	7.9	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	62.8	
Acenapthene-D10	72.5	
Phenanthrene-D10	78.6	
Chrysene-D12	82.9	
Perylene-D12	60.4	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q19504

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	11.25	WET
Dry Weight (g)	1.36	DRY
Solids (%)	12.1	DRY
Lipids (%)	5.4	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	16.3	
C1-Naphthalenes	12.3	
C2-Naphthalenes	10.4	
C3-Naphthalenes	0	ND
C4-Naphthalenes	58.8	
Biphenyl	6.5	
Acenaphthylene	3.4	J
Acenaphthene	2	J
Fluorene	8.4	J
C1-Fluorenes	46.8	
C2-Fluorenes	53.7	
C3-Fluorenes	128.3	
Anthracene	43.9	Q
Phenanthrene	15.1	
C1-Phen/Anthracenes	28.5	
C2-Phen/Anthracenes	67.1	
C3-Phen/Anthracenes	166	
C4-Phen/Anthracenes	72.8	
Dibenzothiophene	1.9	J
C1-Dibenzothiophenes	18.3	
C2-Dibenzothiophenes	36	
C3-Dibenzothiophenes	38.6	
Fluoranthene	132.4	
Pyrene	121.6	
C1-Fluoranthenes/Pyrenes	147.3	
Benzo(a)anthracene	30.8	
Chrysene	93.9	
C1-Chrysenes	44.4	
C2-Chrysenes	26.3	
C3-Chrysenes	0	ND
C4-Chrysenes	1.2	J
Benzo(b)fluoranthene	52.5	
Benzo(k)fluoranthene	18.1	
Benzo(e)pyrene	34.3	Q
Benzo(a)pyrene	16.6	
Perylene	10.6	
Indeno(1,2,3-c,d)pyrene	16.2	
Dibenzo(a,h)anthracene	3	
Benzo(g,h,i)perylene	26.5	
TOTAL PAH (ng/g) (Excluding Perylene)	1600.3	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	4.9	
2-Methylnaphthalene	7.4	
2,6-Dimethylnaphthalene	3.7	J
1,6,7-Trimethylnaphthalene	4.8	
1-Methylphenanthrene	8.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	58.7	
Acenapthene-D10	76.2	
Phenanthrene-D10	92.7	
Chrysene-D12	62.3	
Perylene-D12	65.6	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q19522

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	19		Use Batch Info

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	11.91	WET
Dry Weight (g)	1.37	DRY
Solids (%)	11.5	DRY
Lipids (%)	6.1	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	8.5	J
C1-Naphthalenes	11.1	
C2-Naphthalenes	9.7	J
C3-Naphthalenes	0	ND
C4-Naphthalenes	52.7	
Biphenyl	4.9	J
Acenaphthylene	23.6	Q
Acenaphthene	2.4	J
Fluorene	9	J
C1-Fluorenes	53.3	
C2-Fluorenes	84.4	
C3-Fluorenes	248.3	
Anthracene	51.4	Q
Phenanthrene	13.2	
C1-Phen/Anthracenes	33	
C2-Phen/Anthracenes	43.8	
C3-Phen/Anthracenes	131.9	
C4-Phen/Anthracenes	89.2	
Dibenzothiophene	1.6	J
C1-Dibenzothiophenes	9.4	
C2-Dibenzothiophenes	36.4	
C3-Dibenzothiophenes	49.6	
Fluoranthene	145.9	
Pyrene	141.1	
C1-Fluoranthenes/Pyrenes	154	
Benzo(a)anthracene	33.2	
Chrysene	82.6	
C1-Chrysenes	39.8	
C2-Chrysenes	25.8	
C3-Chrysenes	5.8	J
C4-Chrysenes	1.8	J
Benzo(b)fluoranthene	52.4	
Benzo(k)fluoranthene	17.9	
Benzo(e)pyrene	100.4	
Benzo(a)pyrene	21.1	
Perylene	5.2	
Indeno(1,2,3-c,d)pyrene	15	
Dibenzo(a,h)anthracene	2.5	
Benzo(g,h,i)perylene	23.9	
TOTAL PAH (ng/g) (Excluding Perylene)	1830.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	4.2	J
2-Methylnaphthalene	6.9	
2,6-Dimethylnaphthalene	3.5	J
1,6,7-Trimethylnaphthalene	5.2	J
1-Methylphenanthrene	12.1	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	37.7	Q
Acenapthene-D10	46.9	
Phenanthrene-D10	69.6	
Chrysene-D12	74	
Perylene-D12	51.5	

QC Sample Type	Lab Sample ID
SRM NIST 2978	Q19838

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	2.01	WET
Dry Weight (g)	2.01	DRY
Lipids (%)	8.9	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	33.7	
C1-Naphthalenes	45.7	
C2-Naphthalenes	53.5	
C3-Naphthalenes	72.7	
C4-Naphthalenes	47.7	
Biphenyl	3.5	J
Acenaphthylene	9.3	
Acenaphthene	10.4	
Fluorene	15.4	
C1-Fluorenes	227.0	
C2-Fluorenes	58.8	
C3-Fluorenes	47.0	
Anthracene	7.3	
Phenanthrene	61.2	
C1-Phen/Anthracenes	29.2	
C2-Phen/Anthracenes	36.9	
C3-Phen/Anthracenes	17.3	
C4-Phen/Anthracenes	33.4	
Dibenzothiophene	8.7	
C1-Dibenzothiophenes	23.8	
C2-Dibenzothiophenes	16.5	
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	90.0	Q
Pyrene	163.9	
C1-Fluoranthenes/Pyrenes	79.9	
Benzo(a)anthracene	8.1	
Chrysene	57.0	
C1-Chrysenes	16.4	
C2-Chrysenes	9.1	
C3-Chrysenes	1.5	J
C4-Chrysenes	1.5	J
Benzo(b)fluoranthene	39.4	
Benzo(k)fluoranthene	14.1	
Benzo(e)pyrene	42.4	Q
Benzo(a)pyrene	3.2	
Perylene	1.0	J
Indeno(1,2,3-c,d)pyrene	3.7	
Dibenzo(a,h)anthracene	1.1	J
Benzo(g,h,i)perylene	6.0	
TOTAL PAH (ng/g) (Excluding Perylene)	1395.9	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	26.4	
2-Methylnaphthalene	19.3	
2,6-Dimethylnaphthalene	5.6	
1,6,7-Trimethylnaphthalene	7.8	
1-Methylphenanthrene	4.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	56.6	
Acenapthene-D10	62.1	
Phenanthrene-D10	55.1	
Chrysene-D12	59.3	
Perylene-D12	31.9	Q

QC Sample Type	Lab Sample ID
SRM NIST 2978	Q19852

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	1.07	DRY
Dry Weight (g)	1.04	DRY
Lipids (%)	8.4	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	39.5	
C1-Naphthalenes	51.7	
C2-Naphthalenes	55.9	
C3-Naphthalenes	75.3	
C4-Naphthalenes	50.1	
Biphenyl	2.2	J
Acenaphthylene	2.6	J
Acenaphthene	9.4	J
Fluorene	12.5	J
C1-Fluorenes	218.4	
C2-Fluorenes	64.7	
C3-Fluorenes	44.0	
Anthracene	26.2	
Phenanthrene	67.3	
C1-Phen/Anthracenes	23.9	
C2-Phen/Anthracenes	30.2	
C3-Phen/Anthracenes	12.4	J
C4-Phen/Anthracenes	26.2	
Dibenzothiophene	5.8	
C1-Dibenzothiophenes	20.2	
C2-Dibenzothiophenes	13.8	
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	40.0	
Pyrene	71.1	Q
C1-Fluoranthenes/Pyrenes	71.2	
Benzo(a)anthracene	5.9	
Chrysene	23.2	
C1-Chrysenes	13.4	
C2-Chrysenes	7.4	J
C3-Chrysenes	1.0	J
C4-Chrysenes	2.8	J
Benzo(b)fluoranthene	14.2	
Benzo(k)fluoranthene	4.6	J
Benzo(e)pyrene	17.2	
Benzo(a)pyrene	1.5	J
Perylene	0.6	J
Indeno(1,2,3-c,d)pyrene	2.4	J
Dibenzo(a,h)anthracene	1.0	J
Benzo(g,h,i)perylene	4.5	
TOTAL PAH (ng/g) (Excluding Perylene)	1134.0	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	28.9	
2-Methylnaphthalene	22.8	
2,6-Dimethylnaphthalene	4.3	J
1,6,7-Trimethylnaphthalene	8.0	
1-Methylphenanthrene	8.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	87.0	
Acenapthene-D10	106.8	
Phenanthrene-D10	102.8	
Chrysene-D12	107.5	
Perylene-D12	63.2	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20135

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	11.2	WET
Dry Weight (g)	1.2	DRY
Solids (%)	10.7	DRY
Lipids (%)	7.8	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	24.1	
C1-Naphthalenes	35	
C2-Naphthalenes	21.1	J
C3-Naphthalenes	31	
C4-Naphthalenes	41.9	
Biphenyl	8.3	J
Acenaphthylene	19	
Acenaphthene	2.3	J
Fluorene	8.2	J
C1-Fluorenes	37.3	
C2-Fluorenes	83.8	
C3-Fluorenes	187.5	
Anthracene	40.2	
Phenanthrene	19.9	
C1-Phen/Anthracenes	56.9	
C2-Phen/Anthracenes	101.9	
C3-Phen/Anthracenes	154.7	
C4-Phen/Anthracenes	100.7	
Dibenzothiophene	1.7	J
C1-Dibenzothiophenes	16.1	
C2-Dibenzothiophenes	53.9	
C3-Dibenzothiophenes	71	
Fluoranthene	164.5	
Pyrene	152.2	
C1-Fluoranthenes/Pyrenes	117.9	
Benzo(a)anthracene	34.8	
Chrysene	84.9	
C1-Chrysenes	40.3	
C2-Chrysenes	27.2	
C3-Chrysenes	0.1	J
C4-Chrysenes	0	ND
Benzo(b)fluoranthene	55.4	
Benzo(k)fluoranthene	23.2	
Benzo(e)pyrene	62.7	
Benzo(a)pyrene	12.2	
Perylene	8.1	
Indeno(1,2,3-c,d)pyrene	9.4	
Dibenzo(a,h)anthracene	2	J
Benzo(g,h,i)perylene	17.2	
TOTAL PAH (ng/g) (Excluding Perylene)	1920.5	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	17.8	
2-Methylnaphthalene	17.2	
2,6-Dimethylnaphthalene	5.6	J
1,6,7-Trimethylnaphthalene	6.4	J
1-Methylphenanthrene	11.7	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	62.7	
Acenapthene-D10	87.8	
Phenanthrene-D10	114.2	
Chrysene-D12	114.5	
Perylene-D12	55.9	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20345

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	11.59	WET
Dry Weight (g)	1.44	DRY
Solids (%)	12.5	DRY
Lipids (%)	7.0	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	29.1	
C1-Naphthalenes	26.9	
C2-Naphthalenes	13.4	J
C3-Naphthalenes	15.8	
C4-Naphthalenes	132.4	
Biphenyl	5.8	J
Acenaphthylene	14.6	Q
Acenaphthene	1.9	J
Fluorene	6.4	J
C1-Fluorenes	61.9	
C2-Fluorenes	71.4	
C3-Fluorenes	321.0	
Anthracene	40.5	Q
Phenanthrene	17.3	
C1-Phen/Anthracenes	54.3	
C2-Phen/Anthracenes	104.9	
C3-Phen/Anthracenes	220.1	
C4-Phen/Anthracenes	152.0	
Dibenzothiophene	2.2	J
C1-Dibenzothiophenes	25.0	
C2-Dibenzothiophenes	37.6	
C3-Dibenzothiophenes	80.7	
Fluoranthene	160.3	
Pyrene	149.0	
C1-Fluoranthenes/Pyrenes	218.2	
Benzo(a)anthracene	39.4	
Chrysene	74.9	
C1-Chrysenes	42.9	
C2-Chrysenes	10.6	J
C3-Chrysenes	0.0	ND
C4-Chrysenes	8.9	J
Benzo(b)fluoranthene	41.2	
Benzo(k)fluoranthene	13.3	
Benzo(e)pyrene	63.5	
Benzo(a)pyrene	17.5	
Perylene	8.7	
Indeno(1,2,3-c,d)pyrene	11.0	
Dibenzo(a,h)anthracene	2.6	
Benzo(g,h,i)perylene	17.0	
TOTAL PAH (ng/g) (Excluding Perylene)	2305.1	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	9.5	
2-Methylnaphthalene	17.4	
2,6-Dimethylnaphthalene	3.9	J
1,6,7-Trimethylnaphthalene	5.5	J
1-Methylphenanthrene	12.6	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	51.6	
Acenapthene-D10	84.4	
Phenanthrene-D10	94.2	
Chrysene-D12	92.8	
Perylene-D12	48.8	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20355

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	11.08	WET
Dry Weight (g)	1.38	DRY
Solids (%)	12.5	DRY
Lipids (%)	14.6	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	17.0	
C1-Naphthalenes	40.7	
C2-Naphthalenes	23.1	
C3-Naphthalenes	20.3	
C4-Naphthalenes	40.3	
Biphenyl	7.2	J
Acenaphthylene	2.1	J
Acenaphthene	2.1	J
Fluorene	10.6	J
C1-Fluorenes	3.0	J
C2-Fluorenes	75.3	
C3-Fluorenes	302.2	
Anthracene	45.3	Q
Phenanthrene	16.2	
C1-Phen/Anthracenes	56.5	
C2-Phen/Anthracenes	98.7	
C3-Phen/Anthracenes	208.6	
C4-Phen/Anthracenes	151.2	
Dibenzothiophene	1.9	J
C1-Dibenzothiophenes	28.0	
C2-Dibenzothiophenes	45.0	
C3-Dibenzothiophenes	70.3	
Fluoranthene	136.2	
Pyrene	135.3	
C1-Fluoranthenes/Pyrenes	241.9	
Benzo(a)anthracene	28.8	
Chrysene	74.8	
C1-Chrysenes	41.3	
C2-Chrysenes	0.0	ND
C3-Chrysenes	0.0	ND
C4-Chrysenes	1.7	J
Benzo(b)fluoranthene	32.1	
Benzo(k)fluoranthene	12.7	
Benzo(e)pyrene	52.3	
Benzo(a)pyrene	10.1	
Perylene	5.4	
Indeno(1,2,3-c,d)pyrene	9.1	
Dibenzo(a,h)anthracene	2.1	J
Benzo(g,h,i)perylene	14.4	
TOTAL PAH (ng/g) (Excluding Perylene)	2058.3	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	7.5	
2-Methylnaphthalene	13.1	
2,6-Dimethylnaphthalene	4.3	J
1,6,7-Trimethylnaphthalene	4.5	J
1-Methylphenanthrene	8.8	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	58.7	
Acenapthene-D10	99.8	
Phenanthrene-D10	105.9	
Chrysene-D12	106.9	
Perylene-D12	62.8	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20408

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	12.292	WET
Dry Weight (g)	1.53	DRY
Solids (%)	12.5	DRY
Lipids (%)	6.66	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	16.4	
C1-Naphthalenes	20.1	
C2-Naphthalenes	11.0	J
C3-Naphthalenes	23.7	
C4-Naphthalenes	55.7	
Biphenyl	3.9	J
Acenaphthylene	7.0	J
Acenaphthene	3.9	J
Fluorene	6.5	J
C1-Fluorenes	20.2	J
C2-Fluorenes	96.6	
C3-Fluorenes	134.3	
Anthracene	10.4	
Phenanthrene	14.2	
C1-Phen/Anthracenes	42.8	
C2-Phen/Anthracenes	96.0	
C3-Phen/Anthracenes	197.8	
C4-Phen/Anthracenes	124.0	
Dibenzothiophene	1.9	J
C1-Dibenzothiophenes	2.5	J
C2-Dibenzothiophenes	47.3	
C3-Dibenzothiophenes	67.5	
Fluoranthene	145.5	
Pyrene	137.4	
C1-Fluoranthenes/Pyrenes	174.7	
Benzo(a)anthracene	30.3	
Chrysene	73.9	
C1-Chrysenes	52.4	
C2-Chrysenes	30.3	
C3-Chrysenes	0.0	ND
C4-Chrysenes	0.0	ND
Benzo(b)fluoranthene	46.4	
Benzo(k)fluoranthene	14.9	
Benzo(e)pyrene	64.9	
Benzo(a)pyrene	18.5	
Perylene	7.3	
Indeno(1,2,3-c,d)pyrene	9.6	
Dibenzo(a,h)anthracene	2.0	J
Benzo(g,h,i)perylene	16.2	
TOTAL PAH (ng/g) (Excluding Perylene)	1820.4	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	8.9	
2-Methylnaphthalene	11.2	
2,6-Dimethylnaphthalene	2.7	J
1,6,7-Trimethylnaphthalene	4.2	J
1-Methylphenanthrene	9.0	

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	75.2	
Acenapthene-D10	100.5	
Phenanthrene-D10	101.0	
Chrysene-D12	103.7	
Perylene-D12	49.5	

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q18941

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
17			Use Batch Info

Matrix	TISSUE
Batch	T1168
Dry Weight (g)	0.44 DRY
Lipids (%)	2.9 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	150.4	J
n-C12	328.2	
n-C13	376.4	
n-C14	483.3	
n-C15	2292.8	
n-C16	1913.1	
n-C17	2158.6	
Pristane	1994.7	
n-C18	540.7	
Phytane	98.9	J
n-C19	399.7	
n-C20	256.0	J
n-C21	559.2	
n-C22	2101.4	
n-C23	209.2	J
n-C24	49.5	J
n-C25	125.6	J
n-C26	418.8	
n-C27	322.5	
n-C28	64.9	J
n-C29	491.7	J
n-C30	69.3	J
n-C31	130.2	J
n-C32	520.2	J
n-C33	207.2	J
n-C34	1266.9	
TOTAL AHC (ng/g)	17529.1	

TRUAHC (ug/g)	631.5
TOTAL RAHC (ug/g)	119.1
UCM (ug/g)	512.4

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	63.0	
C20 (Deuterated)	77.0	
C24 (Deuterated)	72.0	
C30 (Deuterated)	60.0	

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q18947

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
17			Use Batch Info

Matrix	TISSUE
Batch	T1169
Dry Weight (g)	0.47 DRY
Lipids (%)	2.5 DRY

ANALYTE	Value (ng/g)	Qual
n-C10	3232.3	
n-C11	1040.0	
n-C12	252.9	
n-C13	795.4	
n-C14	416.0	
n-C15	2178.0	
n-C16	1540.5	
n-C17	1726.6	
Pristane	144.8	J
n-C18	144.3	J
Phytane	169.7	
n-C19	157.0	J
n-C20	95.9	J
n-C21	508.3	
n-C22	109.7	J
n-C23	256.0	J
n-C24	137.8	J
n-C25	59.2	J
n-C26	1220.6	
n-C27	629.1	
n-C28	62.4	J
n-C29	19041.1	
n-C30	113.5	J
n-C31	75.9	J
n-C32	396.5	J
n-C33	238.3	J
n-C34	26.8	J
TOTAL AHC (ng/g)	34768.3	

TRUAHC (ug/g)	479.4
TOTAL RAHC (ug/g)	161.2
UCM (ug/g)	318.2

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	71.0	
C20 (Deuterated)	94.0	
C24 (Deuterated)	96.0	
C30 (Deuterated)	104.7	

QC Sample Type	Lab Sample ID
SRM NIST 2974	Q19159

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	18		Use Batch Info

Matrix	TISSUE
Batch	T1198

Dry Weight (g)	0.41	DRY
Lipids (%)	2.9	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	80.5	J
n-C11	0.0	ND
n-C12	440.6	
n-C13	535.7	
n-C14	606.4	
n-C15	3108.5	
n-C16	1889.6	
n-C17	2270.1	
Pristane	83.4	
n-C18	289.2	
Phytane	95.1	
n-C19	163.1	
n-C20	254.6	
n-C21	282.4	
n-C22	716.7	
n-C23	166.0	J
n-C24	73.1	J
n-C25	161.1	J
n-C26	250.9	
n-C27	104.3	J
n-C28	93.8	J
n-C29	58.5	J
n-C30	164.6	J
n-C31	236.9	
n-C32	201.0	J
n-C33	129.3	J
n-C34	83.4	J

TOTAL AHC (ng/g)	12538.8

TRUAHC (ug/g)	473.4
TOTAL RAHC (ug/g)	60.93
UCM (ug/g)	412.50

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	86.9	
C20 (Deuterated)	82.5	
C24 (Deuterated)	80.9	
C30 (Deuterated)	67.4	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q19504

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
19			Use Batch Info

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	11.25	WET
Dry Weight (g)	1.36	DRY
Solids (%)	12.1	DRY
Lipids (%)	5.4	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	53.2	J
n-C13	99.9	
n-C14	54	
n-C15	377.5	
n-C16	301.2	
n-C17	191.7	
Pristane	0	ND
n-C18	29.1	J
Phytane	84.4	J
n-C19	64.8	
n-C20	15.6	J
n-C21	0	ND
n-C22	19	J
n-C23	23.7	J
n-C24	24.4	J
n-C25	82.8	J
n-C26	34	J
n-C27	65.9	J
n-C28	33.9	J
n-C29	110.4	J
n-C30	33.9	J
n-C31	158.9	J
n-C32	25.1	J
n-C33	0	ND
n-C34	179.1	

TOTAL AHC (ng/g)	2062.6

TRUAHC (ug/g)	311.57
TOTAL RAHC (ug/g)	28.68
UCM (ug/g)	282.9

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	50.2	
C20 (Deuterated)	89	
C24 (Deuterated)	87	
C30 (Deuterated)	74.3	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q19522

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
19			Use Batch Info

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	11.91	WET
Dry Weight (g)	1.37	DRY
Solids (%)	11.5	DRY
Lipids (%)	6.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	473.4	
n-C11	112	
n-C12	87.8	
n-C13	68.1	
n-C14	27.7	J
n-C15	385.1	
n-C16	310.6	
n-C17	446.6	
Pristane	39.5	J
n-C18	25.2	J
Phytane	42	J
n-C19	282	
n-C20	527.1	
n-C21	1108.4	
n-C22	488.5	
n-C23	59.2	J
n-C24	18.6	J
n-C25	67.8	J
n-C26	30.3	J
n-C27	46.1	J
n-C28	0	ND
n-C29	99.8	J
n-C30	73.9	J
n-C31	118.7	J
n-C32	483.6	
n-C33	37.5	J
n-C34	39.9	J

TOTAL AHC (ng/g)	5499.3

TRUAHC (ug/g)	461.93
TOTAL RAHC (ug/g)	138.45
UCM (ug/g)	323.48

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	99.9	
C20 (Deuterated)	96.3	
C24 (Deuterated)	85.4	
C30 (Deuterated)	70	

QC Sample Type	Lab Sample ID
SRM NIST 2978	Q19838

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	2.01	WET
Dry Weight (g)	2.01	DRY
Lipids (%)	8.9	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	309.6	
n-C11	183.7	
n-C12	78.0	
n-C13	18.4	J
n-C14	526.5	
n-C15	748.5	
n-C16	571.2	
n-C17	670.7	
Pristane	246.6	
n-C18	223.3	
Phytane	108.6	J
n-C19	1436.6	
n-C20	500.8	
n-C21	292.0	
n-C22	49.0	J
n-C23	991.1	J
n-C24	408.5	
n-C25	325.5	
n-C26	84.0	J
n-C27	213.0	
n-C28	271.4	
n-C29	91.2	J
n-C30	403.2	
n-C31	417.1	J
n-C32	1045.4	
n-C33	329.0	
n-C34	0.0	ND

TOTAL AHC (ng/g)	10542.7

TRUAHC (ug/g)	459.8
TOTAL RAHC (ug/g)	118.0
UCM (ug/g)	341.8

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	168.0	Q
C20 (Deuterated)	146.0	Q
C24 (Deuterated)	114.0	
C30 (Deuterated)	104.0	

QC Sample Type	Lab Sample ID
SRM NIST 1941a	Q19852

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	20		Use Batch Info

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	1.07	DRY
Dry Weight (g)	1.04	DRY
Lipids (%)	8.4	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0.0	ND
n-C11	61.2	J
n-C12	344.3	
n-C13	150.6	
n-C14	780.0	
n-C15	1611.1	
n-C16	1043.4	
n-C17	962.3	
Pristane	497.1	
n-C18	955.0	
Phytane	4345.0	
n-C19	1294.9	
n-C20	1005.0	
n-C21	145.8	J
n-C22	169.9	J
n-C23	1879.7	
n-C24	123.3	J
n-C25	54.0	J
n-C26	62.1	J
n-C27	0.0	ND
n-C28	200.4	J
n-C29	292.1	
n-C30	179.1	J
n-C31	404.5	
n-C32	499.4	
n-C33	263.0	
n-C34	210.4	J

TOTAL AHC (ng/g)	17533.5

TRUAHC (ug/g)	649.4
TOTAL RAHC (ug/g)	170.7
UCM (ug/g)	478.7

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	91.0	
C20 (Deuterated)	101.0	
C24 (Deuterated)	100.0	
C30 (Deuterated)	90.0	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20135

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	21		Use Batch Info

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	11.2	WET
Dry Weight (g)	1.2	DRY
Solids (%)	10.7	DRY
Lipids (%)	7.8	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	125.1	
n-C11	114.8	
n-C12	145.2	
n-C13	71.7	J
n-C14	60.1	J
n-C15	238.9	
n-C16	258.6	
n-C17	340.6	
Pristane	43.3	J
n-C18	40.2	J
Phytane	0	ND
n-C19	216.1	
n-C20	137.3	
n-C21	367.1	
n-C22	45.4	J
n-C23	50.3	J
n-C24	40.3	J
n-C25	164.1	
n-C26	119.2	J
n-C27	36.9	J
n-C28	20.5	J
n-C29	0	ND
n-C30	103.1	J
n-C31	0	ND
n-C32	88.8	J
n-C33	0	ND
n-C34	0	ND

TOTAL AHC (ng/g)	2827.4

TRUAHC (ug/g)	298.4
TOTAL RAHC (ug/g)	47.9
UCM (ug/g)	250.5

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	104.6	
C20 (Deuterated)	98.6	
C24 (Deuterated)	92.8	
C30 (Deuterated)	97.5	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20345

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1309

Wet Weight (g)	11.59	WET
Dry Weight (g)	1.44	DRY
Solids (%)	12.5	DRY
Lipids (%)	7.0	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	606.3	
n-C11	715.3	
n-C12	133.0	
n-C13	120.2	
n-C14	362.2	
n-C15	620.5	
n-C16	835.7	
n-C17	1367.2	
Pristane	124.7	
n-C18	211.4	
Phytane	80.1	J
n-C19	87.7	
n-C20	403.6	J
n-C21	1287.2	
n-C22	5794.2	
n-C23	379.0	J
n-C24	30.3	J
n-C25	286.5	
n-C26	124.6	J
n-C27	64.7	J
n-C28	71.2	J
n-C29	2799.9	
n-C30	898.6	
n-C31	416.6	J
n-C32	21.2	J
n-C33	107.6	J
n-C34	46.8	J

TOTAL AHC (ng/g)	17996.1

TRUAHC (ug/g)	399.26
TOTAL RAHC (ug/g)	122.62
UCM (ug/g)	276.64

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	113.0	
C20 (Deuterated)	77.0	
C24 (Deuterated)	88.0	
C30 (Deuterated)	104.0	

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20355

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1310

Wet Weight (g)	11.08	WET
Dry Weight (g)	1.38	DRY
Solids (%)	12.5	DRY
Lipids (%)	14.6	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	1232.9	
n-C11	594.4	
n-C12	222.9	
n-C13	213.7	
n-C14	447.1	
n-C15	846.6	
n-C16	938.4	
n-C17	1983.0	
Pristane	169.0	
n-C18	291.2	
Phytane	106.4	J
n-C19	276.4	
n-C20	914.1	J
n-C21	3657.3	
n-C22	11418.7	
n-C23	0.0	ND
n-C24	106.6	J
n-C25	569.4	
n-C26	0.0	ND
n-C27	261.6	
n-C28	178.3	J
n-C29	5278.0	
n-C30	1315.1	
n-C31	457.4	J
n-C32	43.7	J
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	31522.1

TRUAHC (ug/g)	432.45
TOTAL RAHC (ug/g)	112.43
UCM (ug/g)	320.02

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	105.0	
C20 (Deuterated)	85.0	
C24 (Deuterated)	100.0	
C30 (Deuterated)	126.0	M

QC Sample Type	Lab Sample ID
SRM NIST 1974a	Q20408

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
	22		Use Batch Info

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	12.292	WET
Dry Weight (g)	1.53	DRY
Solids (%)	12.5	DRY
Lipids (%)	6.66	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	537.49	
n-C11	95.90	
n-C12	101.46	
n-C13	135.10	
n-C14	393.18	
n-C15	300.70	
n-C16	516.88	
n-C17	359.44	
Pristane	42.02	J
n-C18	0.00	ND
Phytane	0.00	ND
n-C19	0.00	ND
n-C20	316.22	J
n-C21	1151.56	
n-C22	2191.94	
n-C23	0.00	ND
n-C24	106.37	
n-C25	600.30	
n-C26	0.00	ND
n-C27	337.41	
n-C28	0.00	ND
n-C29	1666.01	
n-C30	0.00	ND
n-C31	0.00	ND
n-C32	491.47	
n-C33	0.00	ND
n-C34	0.00	ND

TOTAL AHC (ng/g)	9343

TRUAHC (ug/g)	546.53
TOTAL RAHC (ug/g)	129.86
UCM (ug/g)	416.67

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	84	
C20 (Deuterated)	85	
C24 (Deuterated)	96	
C30 (Deuterated)	193	M

APPENDIX C

Tissue Quality Control Results

5.0 Duplicates

QC Sample Type	Lab Sample ID
DUPLICATE	Q18942

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.10	WET
Dry Weight (g)	0.35	DRY
Solids (%)	6.9	DRY
Lipids (%)	4.3	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	32.5	J
C1-Naphthalenes	21.4	J
C2-Naphthalenes	16.5	J
C3-Naphthalenes	0.9	J
C4-Naphthalenes	1.0	J
Biphenyl	7.3	J
Acenaphthylene	2.0	J
Acenaphthene	4.2	J
Fluorene	4.4	J
C1-Fluorenes	3.9	J
C2-Fluorenes	1.1	J
C3-Fluorenes	3.2	J
Anthracene	2.6	J
Phenanthrene	7.8	J
C1-Phen/Anthracenes	17.5	J
C2-Phen/Anthracenes	1.1	J
C3-Phen/Anthracenes	1.2	J
C4-Phen/Anthracenes	5.6	J
Dibenzothiophene	1.3	J
C1-Dibenzothiophenes	0.7	J
C2-Dibenzothiophenes	0.5	J
C3-Dibenzothiophenes	1.4	J
Fluoranthene	2.8	J
Pyrene	1.8	J
C1-Fluoranthenes/Pyrenes	4.3	J
Benzo(a)anthracene	2.7	J
Chrysene	2.6	J
C1-Chrysenes	0.5	J
C2-Chrysenes	1.2	J
C3-Chrysenes	0.5	J
C4-Chrysenes	0.6	J
Benzo(b)fluoranthene	1.5	J
Benzo(k)fluoranthene	0.6	J
Benzo(e)pyrene	3.3	J
Benzo(a)pyrene	0.6	J
Perylene	0.4	J
Indeno(1,2,3-c,d)pyrene	0.4	J
Dibenzo(a,h)anthracene	0.7	J
Benzo(g,h,i)perylene	1.2	J
TOTAL PAH (ng/g) (Excluding Perylene)	163.1	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	7.8	J
2-Methylnaphthalene	13.6	J
2,6-Dimethylnaphthalene	7.8	J
1,6,7-Trimethylnaphthalene	1.2	J
1-Methylphenanthrene	3.1	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	94.0	
Acenapthene-D10	87.1	
Phenanthrene-D10	78.5	
Chrysene-D12	64.7	
Perylene-D12	69.6	

QC Sample Type	Lab Sample ID
DUPLICATE	Q18948

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.35	WET
Dry Weight (g)	0.65	DRY
Solids (%)	6.3	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	9.8	J
C1-Naphthalenes	11.1	J
C2-Naphthalenes	17.5	J
C3-Naphthalenes	14.4	J
C4-Naphthalenes	16.9	J
Biphenyl	9.6	J
Acenaphthylene	3.2	J
Acenaphthene	0.9	J
Fluorene	6.9	J
C1-Fluorenes	4.0	J
C2-Fluorenes	3.6	J
C3-Fluorenes	6.3	J
Anthracene	6.3	J
Phenanthrene	9.5	J
C1-Phen/Anthracenes	10.9	J
C2-Phen/Anthracenes	7.6	J
C3-Phen/Anthracenes	3.4	J
C4-Phen/Anthracenes	1.3	J
Dibenzothiophene	1.1	J
C1-Dibenzothiophenes	2.4	J
C2-Dibenzothiophenes	3.1	J
C3-Dibenzothiophenes	1.9	J
Fluoranthene	3.7	J
Pyrene	3.6	J
C1-Fluoranthenes/Pyrenes	0.1	J
Benzo(a)anthracene	0.7	J
Chrysene	2.3	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.1	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	0.5	J
Benzo(k)fluoranthene	0.3	J
Benzo(e)pyrene	1.7	J
Benzo(a)pyrene	0.8	J
Perylene	3.7	J
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	3.5	J
TOTAL PAH (ng/g) (Excluding Perylene)	169.9	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	4.1	J
2-Methylnaphthalene	7.0	J
2,6-Dimethylnaphthalene	10.8	J
1,6,7-Trimethylnaphthalene	6.7	J
1-Methylphenanthrene	3.8	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	74.3	
Acenapthene-D10	74.7	
Phenanthrene-D10	84.2	
Chrysene-D12	69.4	
Perylene-D12	67.8	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19160

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	12.04	WET
Dry Weight (g)	0.97	DRY
Solids (%)	8.1	DRY
Lipids (%)	1.1	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	9.2	J
C1-Naphthalenes	8.7	J
C2-Naphthalenes	4.2	J
C3-Naphthalenes	5.2	J
C4-Naphthalenes	12.0	J
Biphenyl	5.2	J
Acenaphthylene	3.3	J
Acenaphthene	11.2	J
Fluorene	3.2	J
C1-Fluorenes	9.9	J
C2-Fluorenes	7.5	J
C3-Fluorenes	5.9	J
Anthracene	5.1	J
Phenanthrene	6.0	J
C1-Phen/Anthracenes	5.8	J
C2-Phen/Anthracenes	5.1	J
C3-Phen/Anthracenes	3.8	J
C4-Phen/Anthracenes	1.4	J
Dibenzothiophene	1.0	J
C1-Dibenzothiophenes	3.8	J
C2-Dibenzothiophenes	2.7	J
C3-Dibenzothiophenes	2.0	J
Fluoranthene	2.3	J
Pyrene	2.2	J
C1-Fluoranthenes/Pyrenes	1.7	J
Benzo(a)anthracene	3.5	J
Chrysene	3.3	J
C1-Chrysenes	3.1	J
C2-Chrysenes	9.2	J
C3-Chrysenes	3.7	J
C4-Chrysenes	0.7	J
Benzo(b)fluoranthene	1.4	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	0.8	J
Benzo(a)pyrene	0.9	J
Perylene	2.7	J
Indeno(1,2,3-c,d)pyrene	0.6	J
Dibenzo(a,h)anthracene	0.6	J
Benzo(g,h,i)perylene	0.2	J
TOTAL PAH (ng/g) (Excluding Perylene)	156.8	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	4.4	J
2-Methylnaphthalene	4.3	J
2,6-Dimethylnaphthalene	3.0	J
1,6,7-Trimethylnaphthalene	3.3	J
1-Methylphenanthrene	3.4	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	73.2	
Acenapthene-D10	79.8	
Phenanthrene-D10	79.9	
Chrysene-D12	80.4	
Perylene-D12	66.1	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19505

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	10.02	WET
Dry Weight (g)	1.00	DRY
Solids (%)	10.0	DRY
Lipids (%)	6.1	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	16.9	
C1-Naphthalenes	16.2	
C2-Naphthalenes	10.9	J
C3-Naphthalenes	5.3	J
C4-Naphthalenes	0.7	J
Biphenyl	10.4	
Acenaphthylene	1.6	J
Acenaphthene	1.6	J
Fluorene	9.4	J
C1-Fluorenes	10.2	J
C2-Fluorenes	9.3	J
C3-Fluorenes	1.0	J
Anthracene	1.9	J
Phenanthrene	5.5	J
C1-Phen/Anthracenes	2	J
C2-Phen/Anthracenes	2.6	J
C3-Phen/Anthracenes	0.3	J
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	0.9	J
C1-Dibenzothiophenes	0.6	J
C2-Dibenzothiophenes	0.5	J
C3-Dibenzothiophenes	0.2	J
Fluoranthene	2.8	J
Pyrene	1.8	J
C1-Fluoranthenes/Pyrenes	2.6	J
Benzo(a)anthracene	1.0	J
Chrysene	3.3	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.2	J
C3-Chrysenes	0.6	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	1.8	J
Benzo(k)fluoranthene	1.5	J
Benzo(e)pyrene	0.2	J
Benzo(a)pyrene	2.5	J
Perylene	3.1	J
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.2	J
TOTAL PAH (ng/g) (Excluding Perylene)	127.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	8.1	
2-Methylnaphthalene	8.1	
2,6-Dimethylnaphthalene	2.9	J
1,6,7-Trimethylnaphthalene	2.8	J
1-Methylphenanthrene	1.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	43.4	
Acenapthene-D10	52.1	
Phenanthrene-D10	57.1	
Chrysene-D12	50.2	
Perylene-D12	65.5	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19523

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.06	WET
Dry Weight (g)	1.05	DRY
Solids (%)	10.4	DRY
Lipids (%)	6.4	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	11.1	J
C1-Naphthalenes	9.8	J
C2-Naphthalenes	4.1	J
C3-Naphthalenes	2.3	J
C4-Naphthalenes	0.2	J
Biphenyl	8.4	J
Acenaphthylene	0.6	J
Acenaphthene	1.0	J
Fluorene	7.1	J
C1-Fluorenes	8.7	J
C2-Fluorenes	5.9	J
C3-Fluorenes	0.7	J
Anthracene	1.4	J
Phenanthrene	4.1	J
C1-Phen/Anthracenes	7.2	J
C2-Phen/Anthracenes	2.2	J
C3-Phen/Anthracenes	4.4	J
C4-Phen/Anthracenes	1.2	J
Dibenzothiophene	0.5	J
C1-Dibenzothiophenes	1.4	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	1.8	J
Fluoranthene	3.1	J
Pyrene	2.4	J
C1-Fluoranthenes/Pyrenes	4.5	J
Benzo(a)anthracene	2.6	J
Chrysene	1.8	J
C1-Chrysenes	1.6	J
C2-Chrysenes	0.1	J
C3-Chrysenes	1.3	J
C4-Chrysenes	2	J
Benzo(b)fluoranthene	0.8	J
Benzo(k)fluoranthene	0.5	J
Benzo(e)pyrene	1.0	J
Benzo(a)pyrene	1.1	J
Perylene	2.5	J
Indeno(1,2,3-c,d)pyrene	0.5	J
Dibenzo(a,h)anthracene	0.2	J
Benzo(g,h,i)perylene	0.7	J
TOTAL PAH (ng/g) (Excluding Perylene)	108.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	4.5	J
2-Methylnaphthalene	5.4	J
2,6-Dimethylnaphthalene	1.7	J
1,6,7-Trimethylnaphthalene	1.3	J
1-Methylphenanthrene	1.0	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	42.5	
Acenapthene-D10	55.4	
Phenanthrene-D10	63.6	
Chrysene-D12	77.8	
Perylene-D12	45.6	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19627

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	19	3	PWS01TIS0018

Matrix	TISSUE
Batch	T1246

Wet Weight (g)	7.86	WET
Dry Weight (g)	0.61	DRY
Solids (%)	7.7	DRY
Lipids (%)	4.1	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	18.2	J
C1-Naphthalenes	18	J
C2-Naphthalenes	11.2	J
C3-Naphthalenes	8	J
C4-Naphthalenes	0.1	J
Biphenyl	10	J
Acenaphthylene	4.8	J
Acenaphthene	7.8	J
Fluorene	5.4	J
C1-Fluorenes	6.9	J
C2-Fluorenes	7.1	J
C3-Fluorenes	1.2	J
Anthracene	5.2	J
Phenanthrene	8.9	J
C1-Phen/Anthracenes	7.3	J
C2-Phen/Anthracenes	7	J
C3-Phen/Anthracenes	4.2	J
C4-Phen/Anthracenes	0.3	J
Dibenzothiophene	0.8	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	3.4	J
C3-Dibenzothiophenes	1.9	J
Fluoranthene	4.4	J
Pyrene	2.9	J
C1-Fluoranthenes/Pyrenes	4.1	J
Benzo(a)anthracene	1.3	J
Chrysene	3.6	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.4	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	1.7	J
Benzo(k)fluoranthene	0.5	J
Benzo(e)pyrene	1.9	J
Benzo(a)pyrene	1.0	J
Perylene	1.5	J
Indeno(1,2,3-c,d)pyrene	0.6	J
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	1.0	J
TOTAL PAH (ng/g) (Excluding Perylene)	161.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	7.3	J
2-Methylnaphthalene	10.7	J
2,6-Dimethylnaphthalene	4.6	J
1,6,7-Trimethylnaphthalene	3.7	J
1-Methylphenanthrene	2	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	68	
Acenapthene-D10	74.3	
Phenanthrene-D10	84.9	
Chrysene-D12	80.8	
Perylene-D12	46.6	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19837

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.57	WET
Dry Weight (g)	0.94	DRY
Solids (%)	8.9	DRY
Lipids (%)	11.2	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	7.5	J
C1-Naphthalenes	5.1	J
C2-Naphthalenes	3.5	J
C3-Naphthalenes	0.0	ND
C4-Naphthalenes	0.1	J
Biphenyl	5.4	J
Acenaphthylene	0.6	J
Acenaphthene	3.5	J
Fluorene	3.0	J
C1-Fluorenes	4.7	J
C2-Fluorenes	4.9	J
C3-Fluorenes	0.4	J
Anthracene	0.7	J
Phenanthrene	2.9	J
C1-Phen/Anthracenes	2.1	J
C2-Phen/Anthracenes	4.0	J
C3-Phen/Anthracenes	0.4	J
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	0.3	J
C1-Dibenzothiophenes	0.7	J
C2-Dibenzothiophenes	0.5	J
C3-Dibenzothiophenes	0.7	J
Fluoranthene	0.9	J
Pyrene	1.0	J
C1-Fluoranthenes/Pyrenes	1.2	J
Benzo(a)anthracene	0.5	J
Chrysene	0.6	J
C1-Chrysenes	0.0	ND
C2-Chrysenes	0.0	ND
C3-Chrysenes	0.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.4	J
Benzo(k)fluoranthene	0.1	J
Benzo(e)pyrene	0.3	J
Benzo(a)pyrene	0.5	J
Perylene	0.2	J
Indeno(1,2,3-c,d)pyrene	0.0	ND
Dibenzo(a,h)anthracene	0.1	J
Benzo(g,h,i)perylene	0.1	J
TOTAL PAH (ng/g) (Excluding Perylene)	56.7	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.3	J
2-Methylnaphthalene	2.8	J
2,6-Dimethylnaphthalene	1.0	J
1,6,7-Trimethylnaphthalene	0.6	J
1-Methylphenanthrene	0.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	49.0	
Acenapthene-D10	54.0	
Phenanthrene-D10	54.2	
Chrysene-D12	53.4	
Perylene-D12	27.5	Q

QC Sample Type	Lab Sample ID
DUPLICATE	Q19851

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
WIB-B	20	1	PWS01TIS0055

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	10.22	WET
Dry Weight (g)	1.35	DRY
Solids (%)	13.2	DRY
Lipids (%)	11.4	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	6.9	J
C1-Naphthalenes	4.9	J
C2-Naphthalenes	3.5	J
C3-Naphthalenes	2.5	J
C4-Naphthalenes	0.0	ND
Biphenyl	5.1	J
Acenaphthylene	0.6	J
Acenaphthene	7.0	J
Fluorene	2.4	J
C1-Fluorenes	0.7	J
C2-Fluorenes	0.3	J
C3-Fluorenes	0.2	J
Anthracene	0.5	J
Phenanthrene	3.2	J
C1-Phen/Anthracenes	5.6	J
C2-Phen/Anthracenes	0.1	J
C3-Phen/Anthracenes	0.1	J
C4-Phen/Anthracenes	0.0	ND
Dibenzothiophene	0.4	J
C1-Dibenzothiophenes	0.1	J
C2-Dibenzothiophenes	0.1	J
C3-Dibenzothiophenes	0.0	ND
Fluoranthene	0.6	J
Pyrene	0.7	J
C1-Fluoranthenes/Pyrenes	0.3	J
Benzo(a)anthracene	0.5	J
Chrysene	0.8	J
C1-Chrysenes	0.1	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.4	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.8	J
Benzo(k)fluoranthene	1.5	J
Benzo(e)pyrene	2.1	J
Benzo(a)pyrene	3.5	J
Perylene	0.9	J
Indeno(1,2,3-c,d)pyrene	0.6	J
Dibenzo(a,h)anthracene	0.0	ND
Benzo(g,h,i)perylene	0.1	J
TOTAL PAH (ng/g) (Excluding Perylene)	56.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	2.6	J
2-Methylnaphthalene	2.3	J
2,6-Dimethylnaphthalene	0.9	J
1,6,7-Trimethylnaphthalene	0.9	J
1-Methylphenanthrene	1.5	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	91.5	
Acenapthene-D10	104.5	
Phenanthrene-D10	101.8	
Chrysene-D12	103.0	
Perylene-D12	58.6	

QC Sample Type	Lab Sample ID
DUPLICATE	Q20136

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.36	WET
Dry Weight (g)	0.86	DRY
Solids (%)	8.3	DRY
Lipids (%)	11.3	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	26.8	
C1-Naphthalenes	44.9	
C2-Naphthalenes	23.4	J
C3-Naphthalenes	20.3	J
C4-Naphthalenes	18.6	J
Biphenyl	18.8	
Acenaphthylene	3.9	J
Acenaphthene	0.6	J
Fluorene	12	J
C1-Fluorenes	88.9	
C2-Fluorenes	10.8	J
C3-Fluorenes	8.5	J
Anthracene	8.1	J
Phenanthrene	17.4	
C1-Phen/Anthracenes	13.2	J
C2-Phen/Anthracenes	12.1	J
C3-Phen/Anthracenes	2.6	J
C4-Phen/Anthracenes	1.2	J
Dibenzothiophene	1.1	J
C1-Dibenzothiophenes	2.7	J
C2-Dibenzothiophenes	2.4	J
C3-Dibenzothiophenes	3.3	J
Fluoranthene	8.4	J
Pyrene	4.8	J
C1-Fluoranthenes/Pyrenes	6.1	J
Benzo(a)anthracene	2.4	J
Chrysene	3.1	J
C1-Chrysenes	2	J
C2-Chrysenes	0.1	J
C3-Chrysenes	0.4	J
C4-Chrysenes	0.5	J
Benzo(b)fluoranthene	0.3	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	1.6	J
Benzo(a)pyrene	0.8	J
Perylene	1.2	J
Indeno(1,2,3-c,d)pyrene	0.3	J
Dibenzo(a,h)anthracene	0.5	J
Benzo(g,h,i)perylene	0.7	J
TOTAL PAH (ng/g) (Excluding Perylene)	373.6	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	25.1	
2-Methylnaphthalene	19.7	
2,6-Dimethylnaphthalene	6.3	J
1,6,7-Trimethylnaphthalene	4.7	J
1-Methylphenanthrene	5.6	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	57.6	
Acenapthene-D10	71.1	
Phenanthrene-D10	89.5	
Chrysene-D12	98.2	
Perylene-D12	57.4	

QC Sample Type	Lab Sample ID
DUPLICATE	C41096D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	15.50	WET
Dry Weight (g)	1.38	DRY
Solids (%)	8.9	DRY
Lipids (%)	4.5	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	17.4	
C1-Naphthalenes	18.8	
C2-Naphthalenes	8.4	J
C3-Naphthalenes	7.7	J
C4-Naphthalenes	0.3	J
Biphenyl	6.4	J
Acenaphthylene	0.8	J
Acenaphthene	4.4	J
Fluorene	2.9	J
C1-Fluorenes	2.8	J
C2-Fluorenes	2.8	J
C3-Fluorenes	3.5	J
Anthracene	1.1	J
Phenanthrene	5.3	J
C1-Phen/Anthracenes	4.0	J
C2-Phen/Anthracenes	0.5	J
C3-Phen/Anthracenes	2.5	J
C4-Phen/Anthracenes	10.7	J
Dibenzothiophene	0.4	J
C1-Dibenzothiophenes	0.2	J
C2-Dibenzothiophenes	0.4	J
C3-Dibenzothiophenes	3.6	J
Fluoranthene	2.5	J
Pyrene	2.1	J
C1-Fluoranthenes/Pyrenes	7.9	J
Benzo(a)anthracene	1.3	J
Chrysene	3.0	J
C1-Chrysenes	3.0	J
C2-Chrysenes	4.7	J
C3-Chrysenes	0.2	J
C4-Chrysenes	0.2	J
Benzo(b)fluoranthene	1.3	J
Benzo(k)fluoranthene	0.4	J
Benzo(e)pyrene	2.4	J
Benzo(a)pyrene	2.1	J
Perylene	1.2	J
Indeno(1,2,3-c,d)pyrene	0.9	J
Dibenzo(a,h)anthracene	0.5	J
Benzo(g,h,i)perylene	1.0	J
TOTAL PAH (ng/g) (Excluding Perylene)	138.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	8.8	
2-Methylnaphthalene	10.0	
2,6-Dimethylnaphthalene	2.6	J
1,6,7-Trimethylnaphthalene	1.5	J
1-Methylphenanthrene	1.7	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	61.9	
Acenapthene-D10	67.7	
Phenanthrene-D10	69.2	
Chrysene-D12	75.2	
Perylene-D12	56.9	

QC Sample Type	Lab Sample ID
DUPLICATE	C41115D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	18.19	WET
Dry Weight (g)	1.73	DRY
Solids (%)	9.5	DRY
Lipids (%)	4.0	DRY

ANALYTE	Value (ng/g)	Qual
Naphthalene	14.4	
C1-Naphthalenes	16.1	
C2-Naphthalenes	8.6	J
C3-Naphthalenes	5.9	J
C4-Naphthalenes	0.1	J
Biphenyl	5.3	J
Acenaphthylene	0.6	J
Acenaphthene	3.9	J
Fluorene	2.6	J
C1-Fluorenes	0.9	J
C2-Fluorenes	0.5	J
C3-Fluorenes	1.0	J
Anthracene	0.8	J
Phenanthrene	3.8	J
C1-Phen/Anthracenes	1.9	J
C2-Phen/Anthracenes	0.2	J
C3-Phen/Anthracenes	0.4	J
C4-Phen/Anthracenes	0.1	J
Dibenzothiophene	0.3	J
C1-Dibenzothiophenes	0.5	J
C2-Dibenzothiophenes	0.2	J
C3-Dibenzothiophenes	0.6	J
Fluoranthene	1.9	J
Pyrene	1.1	J
C1-Fluoranthenes/Pyrenes	0.4	J
Benzo(a)anthracene	0.7	J
Chrysene	0.9	J
C1-Chrysenes	1.9	J
C2-Chrysenes	0.0	ND
C3-Chrysenes	0.1	J
C4-Chrysenes	0.1	J
Benzo(b)fluoranthene	0.5	J
Benzo(k)fluoranthene	0.2	J
Benzo(e)pyrene	1.0	J
Benzo(a)pyrene	1.2	J
Perylene	0.4	J
Indeno(1,2,3-c,d)pyrene	0.1	J
Dibenzo(a,h)anthracene	0.3	J
Benzo(g,h,i)perylene	0.3	J
TOTAL PAH (ng/g) (Excluding Perylene)	79.2	

Specific Isomers	Value (ng/g)	Qual
1-Methylnaphthalene	7.2	
2-Methylnaphthalene	9.0	
2,6-Dimethylnaphthalene	3.4	J
1,6,7-Trimethylnaphthalene	1.4	J
1-Methylphenanthrene	1.2	J

Surrogate Recoveries	Percent	Qual
Naphthalene-D8	70.8	
Acenapthene-D10	79.2	
Phenanthrene-D10	77.0	
Chrysene-D12	99.3	
Perylene-D12	53.8	

QC Sample Type	Lab Sample ID
DUPLICATE	Q18942

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
SLB-B	17	1	PWS00TIS0040

Matrix	TISSUE
Batch	T1168

Wet Weight (g)	5.10	WET
Dry Weight (g)	0.35	DRY
Solids (%)	6.9	DRY
Lipids (%)	4.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	444.9	
n-C11	0.0	ND
n-C12	43.4	J
n-C13	45.5	J
n-C14	292.4	
n-C15	512.7	
n-C16	702.3	
n-C17	108.5	J
Pristane	316.3	
n-C18	127.3	J
Phytane	212.4	
n-C19	2089.6	
n-C20	954.3	
n-C21	2819.4	
n-C22	258.7	J
n-C23	1078.6	
n-C24	266.8	J
n-C25	270.9	J
n-C26	201.5	J
n-C27	754.4	
n-C28	178.4	J
n-C29	144.4	J
n-C30	239.2	J
n-C31	132.6	J
n-C32	189.9	J
n-C33	211.9	J
n-C34	335.3	J
TOTAL AHC (ng/g)	12931.5	

TRUAHC (ug/g)	237.4	
TOTAL RAHC (ug/g)	166.40	
UCM (ug/g)	71.0	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	65.0	
C20 (Deuterated)	86.0	
C24 (Deuterated)	72.0	
C30 (Deuterated)	74.0	

QC Sample Type	Lab Sample ID
DUPLICATE	Q18948

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	17	1	PWS00TIS0049

Matrix	TISSUE
Batch	T1169

Wet Weight (g)	10.35	WET
Dry Weight (g)	0.65	DRY
Solids (%)	6.3	DRY
Lipids (%)	11.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	858.7	
n-C11	472.5	
n-C12	210.7	
n-C13	579.3	
n-C14	413.5	
n-C15	1107.5	
n-C16	1025.6	
n-C17	1721.0	
Pristane	766.3	
n-C18	284.6	
Phytane	604.2	
n-C19	1937.6	
n-C20	2648.0	
n-C21	10805.8	
n-C22	192.2	J
n-C23	3290.8	
n-C24	181.1	
n-C25	311.5	
n-C26	4388.0	
n-C27	2862.6	
n-C28	400.4	
n-C29	58750.3	
n-C30	1341.7	
n-C31	249.4	J
n-C32	631.9	
n-C33	816.1	
n-C34	226.3	J
TOTAL AHC (ng/g)	97077.4	

TRUAHC (ug/g)	878.3	
TOTAL RAHC (ug/g)	604.30	
UCM (ug/g)	274.0	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	63.0	
C20 (Deuterated)	79.0	
C24 (Deuterated)	89.0	
C30 (Deuterated)	877.0	M

QC Sample Type	Lab Sample ID
DUPLICATE	Q19160

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AMT-B	18	1	PWS00TIS0061

Matrix	TISSUE
Batch	T1198

Wet Weight (g)	12.04	WET
Dry Weight (g)	0.97	DRY
Solids (%)	8.1	DRY
Lipids (%)	1.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	152.6	
n-C11	0.0	ND
n-C12	68.0	J
n-C13	168.2	
n-C14	178.1	
n-C15	1193.3	
n-C16	242.8	
n-C17	576.9	
Pristane	331.0	
n-C18	174.2	
Phytane	26.1	J
n-C19	527.3	
n-C20	332.8	
n-C21	2105.3	
n-C22	83.9	J
n-C23	621.8	
n-C24	199.2	
n-C25	234.8	
n-C26	0.0	ND
n-C27	331.6	
n-C28	186.1	
n-C29	273.0	
n-C30	234.1	J
n-C31	225.5	J
n-C32	197.8	J
n-C33	202.1	J
n-C34	0.0	ND

TOTAL AHC (ng/g)	8866

TRUAHC (ug/g)	192.1	
TOTAL RAHC (ug/g)	87.23	
UCM (ug/g)	104.89	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	91.9	
C20 (Deuterated)	94.4	
C24 (Deuterated)	88.9	
C30 (Deuterated)	75.2	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19505

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	19	1	PWS01TIS0001

Matrix	TISSUE
Batch	T1234

Wet Weight (g)	10.02	WET
Dry Weight (g)	1.00	DRY
Solids (%)	10.0	DRY
Lipids (%)	6.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	0	ND
n-C12	0	ND
n-C13	248.4	
n-C14	147.7	
n-C15	455.2	
n-C16	358.9	
n-C17	309.8	
Pristane	594.4	
n-C18	84.5	J
Phytane	0	ND
n-C19	64.6	J
n-C20	66.2	J
n-C21	56	J
n-C22	71.6	J
n-C23	113.8	J
n-C24	28.9	J
n-C25	95.6	J
n-C26	65.7	J
n-C27	76.6	J
n-C28	50	J
n-C29	86.9	J
n-C30	62.7	J
n-C31	64.9	J
n-C32	24.5	J
n-C33	18.2	J
n-C34	0	ND

TOTAL AHC (ng/g)	3145

TRUAHC (ug/g)	84.24	
TOTAL RAHC (ug/g)	27.51	
UCM (ug/g)	56.73	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	29.6	Q
C20 (Deuterated)	66	
C24 (Deuterated)	70.1	
C30 (Deuterated)	73	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19523

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	19	2	PWS01TIS0026

Matrix	TISSUE
Batch	T1236

Wet Weight (g)	10.06	WET
Dry Weight (g)	1.05	DRY
Solids (%)	10.4	DRY
Lipids (%)	6.4	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	259.7	
n-C11	0	ND
n-C12	84.2	
n-C13	120	
n-C14	77.9	
n-C15	192.5	
n-C16	230.2	
n-C17	1167.1	
Pristane	185.8	
n-C18	46.3	J
Phytane	21.2	J
n-C19	671.7	
n-C20	233.9	J
n-C21	53.1	J
n-C22	45.8	J
n-C23	229.7	J
n-C24	17.3	J
n-C25	17	J
n-C26	37.6	J
n-C27	223.8	
n-C28	20.7	J
n-C29	66.8	J
n-C30	26	J
n-C31	40.4	J
n-C32	241.9	J
n-C33	139.6	J
n-C34	18.2	J

TOTAL AHC (ng/g)	4468

TRUAHC (ug/g)	386.2	
TOTAL RAHC (ug/g)	165.4	
UCM (ug/g)	220.9	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	71.4	
C20 (Deuterated)	85.3	
C24 (Deuterated)	83.3	
C30 (Deuterated)	75.7	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19627

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	19	3	PWS01TIS0018

Matrix	TISSUE
Batch	T1246

Wet Weight (g)	7.86	WET
Dry Weight (g)	0.61	DRY
Solids (%)	7.7	DRY
Lipids (%)	4.1	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	0	ND
n-C11	30.2	J
n-C12	70.9	J
n-C13	68.6	J
n-C14	343.9	
n-C15	555.6	
n-C16	708.6	
n-C17	959.4	
Pristane	159.9	
n-C18	278.5	
Phytane	37.9	J
n-C19	192.9	
n-C20	116.7	J
n-C21	145.8	J
n-C22	68.9	J
n-C23	283.2	J
n-C24	74.6	J
n-C25	62.9	J
n-C26	61	J
n-C27	642.7	
n-C28	48.7	J
n-C29	60.3	J
n-C30	118.5	J
n-C31	1465.8	
n-C32	93.5	J
n-C33	31.7	J
n-C34	0	ND

TOTAL AHC (ng/g)	6680

TRUAHC (ug/g)	173.21	
TOTAL RAHC (ug/g)	59.95	
UCM (ug/g)	113.26	

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	69.1	
C20 (Deuterated)	101.1	
C24 (Deuterated)	100.8	
C30 (Deuterated)	111.3	

QC Sample Type	Lab Sample ID
DUPLICATE	Q19837

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
ZAB-B	20	3	PWS01TIS0039

Matrix	TISSUE
Batch	T1259

Wet Weight (g)	10.57	WET
Dry Weight (g)	0.94	DRY
Solids (%)	8.9	DRY
Lipids (%)	11.2	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	847.5	
n-C11	246.5	
n-C12	72.2	J
n-C13	64.9	J
n-C14	307.6	
n-C15	665.8	
n-C16	360.8	
n-C17	578.9	
Pristane	0.0	ND
n-C18	113.4	
Phytane	39.9	J
n-C19	991.0	
n-C20	891.2	
n-C21	3430.4	
n-C22	135.2	J
n-C23	280.5	J
n-C24	193.8	
n-C25	164.9	J
n-C26	1005.6	
n-C27	534.8	
n-C28	32.1	J
n-C29	33.9	J
n-C30	232.7	J
n-C31	454.2	J
n-C32	22.6	J
n-C33	1297.2	
n-C34	0.0	ND
TOTAL AHC (ng/g)	12997.4	

TRUAHC (ug/g)	367.3
TOTAL RAHC (ug/g)	237.1
UCM (ug/g)	130.2 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	84.0	
C20 (Deuterated)	92.0	
C24 (Deuterated)	90.0	
C30 (Deuterated)	136.0	M

QC Sample Type	Lab Sample ID
DUPLICATE	Q19851

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	20	3	PWS01TIS0054

Matrix	TISSUE
Batch	T1261

Wet Weight (g)	10.22	WET
Dry Weight (g)	1.35	DRY
Solids (%)	13.2	DRY
Lipids (%)	11.4	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	157.5	
n-C11	604.3	
n-C12	116.4	J
n-C13	111.2	
n-C14	205.5	
n-C15	572.6	
n-C16	387.9	
n-C17	955.6	
Pristane	421.3	
n-C18	47.3	J
Phytane	0.0	ND
n-C19	430.9	
n-C20	111.9	J
n-C21	791.3	
n-C22	56.1	J
n-C23	287.0	
n-C24	24.7	J
n-C25	0.0	ND
n-C26	46.7	J
n-C27	42.0	J
n-C28	0.0	ND
n-C29	28.0	J
n-C30	37.0	J
n-C31	0.0	ND
n-C32	1164.5	
n-C33	84.2	
n-C34	0.0	ND
TOTAL AHC (ng/g)	6683.6	

TRUAHC (ug/g)	140.7
TOTAL RAHC (ug/g)	88.5
UCM (ug/g)	52.19 J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	94.0	
C20 (Deuterated)	99.0	
C24 (Deuterated)	96.0	
C30 (Deuterated)	89.0	

QC Sample Type	Lab Sample ID
DUPLICATE	Q20136

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
GOC-B	21	1	PWS01TIS0064

Matrix	TISSUE
Batch	T1282

Wet Weight (g)	10.36	WET
Dry Weight (g)	0.86	DRY
Solids (%)	8.3	DRY
Lipids (%)	11.3	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	199.2	
n-C11	127	
n-C12	169.9	
n-C13	109.2	
n-C14	254	
n-C15	1206.4	
n-C16	246.7	
n-C17	5894.5	
Pristane	472.3	
n-C18	29.9	J
Phytane	54.9	J
n-C19	4648.1	
n-C20	44.8	J
n-C21	217	J
n-C22	42.6	J
n-C23	39	J
n-C24	17.4	J
n-C25	61.2	J
n-C26	324.8	J
n-C27	266.9	
n-C28	15.9	J
n-C29	43	J
n-C30	56.1	J
n-C31	0	ND
n-C32	0	ND
n-C33	551.1	
n-C34	0	ND

TOTAL AHC (ng/g)	15091.7

TRUAHC (ug/g)	193.9	
TOTAL RAHC (ug/g)	84	
UCM (ug/g)	109.9	J

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	92.3	
C20 (Deuterated)	97.5	
C24 (Deuterated)	82.2	
C30 (Deuterated)	48.2	

QC Sample Type	Lab Sample ID
DUPLICATE	C41096D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
DII-B	22	2	PWS02TIS0005

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	15.50	WET
Dry Weight (g)	1.38	DRY
Solids (%)	8.9	DRY
Lipids (%)	4.5	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	329.1	
n-C11	49.7	J
n-C12	59.9	
n-C13	46.8	J
n-C14	311.0	
n-C15	351.4	
n-C16	372.7	
n-C17	564.9	
Pristane	469.5	
n-C18	0.0	ND
Phytane	43.4	J
n-C19	257.0	
n-C20	171.0	J
n-C21	1780.2	
n-C22	3976.2	
n-C23	1421.5	J
n-C24	0.0	ND
n-C25	0.0	ND
n-C26	0.0	ND
n-C27	303.6	
n-C28	122.7	
n-C29	1614.1	
n-C30	0.0	ND
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	12244.8

TRUAHC (ug/g)	237.33
TOTAL RAHC (ug/g)	128.57
UCM (ug/g)	108.75

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	76.0	
C20 (Deuterated)	82.0	
C24 (Deuterated)	88.0	
C30 (Deuterated)	199.0	M

QC Sample Type	Lab Sample ID
DUPLICATE	C41115D

ASSOCIATED SAMPLE INFORMATION

Station	Survey	Rep	KLI Sample ID
AIB-B	22	3	PWS02TIS0024

Matrix	TISSUE
Batch	T1314

Wet Weight (g)	18.19	WET
Dry Weight (g)	1.73	DRY
Solids (%)	9.5	DRY
Lipids (%)	4.0	DRY

ANALYTE	Value (ng/g)	Qual
n-C10	265.1	
n-C11	39.0	J
n-C12	70.5	
n-C13	49.3	
n-C14	358.1	
n-C15	263.7	
n-C16	454.4	
n-C17	428.0	
Pristane	138.2	
n-C18	0.0	ND
Phytane	41.3	J
n-C19	315.1	
n-C20	474.9	
n-C21	2678.0	
n-C22	4470.8	
n-C23	2569.0	
n-C24	0.0	ND
n-C25	98.2	J
n-C26	308.8	J
n-C27	336.9	
n-C28	237.8	
n-C29	2569.6	
n-C30	0.0	ND
n-C31	0.0	ND
n-C32	0.0	ND
n-C33	0.0	ND
n-C34	0.0	ND

TOTAL AHC (ng/g)	16166.3

TRUAHC (ug/g)	255.82
TOTAL RAHC (ug/g)	140.31
UCM (ug/g)	115.51

Surrogate Recoveries	Percent	Qual
C12 (Deuterated)	80.0	
C20 (Deuterated)	87.0	
C24 (Deuterated)	93.0	
C30 (Deuterated)	208.0	M