

2012 Tissue Concentrations of PolyAromatic Hydrocarbons in <i>Mytilus edulis</i> (ng/g dry weight)		ALET Sample #	2012001122	2012001136	2012001136-Du	2012001123	2012001124	2012001134	2012001135	2012001137	2012001138	2012001139		2012001125	2012001126	2012001127	2012001128	2012001129	2012001130
		Sample Date	19-Sep-11	19-Sep-11	19-Sep-11	19-Sep-11	19-Sep-11	20-Sep-11	21-Sep-11	03-Oct-11	22-Sep-11	19-Sep-11		19-Sep-11	19-Sep-11	19-Sep-11	19-Sep-11	19-Sep-11	19-Sep-11
		Client Sample ID	MECC-1N	MEDM-comp	MEDM-comp	MECC-2N	MECC-3N	MEPH-comp	MEKN-comp	MEBB-comp	MEMR-comp	MECK-comp		NHHS-1N	NHHS-2N	NHHS-3N	NHDP-1N	NHDP-2N	NHDP-3N
		Extraction Date	17-May-13	17-May-13	17-May-13	17-May-13	17-May-13	17-May-13	17-May-13	12-Jun-13	12-Jun-13	12-Jun-13		17-May-13	17-May-13	17-May-13	17-May-13	17-May-13	17-May-13
PAH	Det Limit (ng/g)	Maine												New Hampshire					
Naphthalene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C1-Naphthalenes	<8		8.6	<8	<8	<8	<8	<8	<8	<8	8.2	<8		8.5	10.7	10.5	<8	<8	<8
Biphenyl	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C2-Naphthalene (5-Pks)	<8		<8	<8	<8	<8	<8	<8	<8	<8	9.5	<8		<8	<8	<8	<8	<8	<8
Acenaphthylene	<11		<11	<11	<11	<11	<11	<11	<11	<11	<11	<11		<8	<8	<11	<11	<11	<11
Acenaphthene	<8		<8	<8	<8	<8	<8	<8	<8	<8	13.3	<8		<8	<8	<8	<8	<8	<8
C-3 Naphthalene	<7		<7	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	<7	<7
Fluorene	<7		<7	<7	<7	<7	<7	<7	<7	<7	16.9	<7		<7	<7	<7	<7	<7	<7
C1- Fluorene	<7		<7	<7	<7	<7	<7	<7	<7	12.0	18.1	<7		<7	<7	<7	<7	<7	<7
C2-Fluorene	<7		<7	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	<7	<7
C3- Fluorene	<7		<7	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	<7	<7
C4-Naphthalene	<7		<7	<7	<7	<7	<7	<7	<7	<7	<7	12.2		<7	<7	<7	<7	<7	<7
Dibenzothiophene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C4- Fluorene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C1-Dibenzothiophene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C2- Dibenzothiophene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C3-Dibenzothiophene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
Phenanthrene	<6		8.7	<6	<6	7.9	<6	29.4	<6	24.6	77.0	<6		6.6	8.5	7.5	<6	<6	<6
Anthracene	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10
C1-Phenanthrene	<12		<12	<12	<12	<12	<12	35.0	<12	33.2	36.4	<12		<12	<12	<12	<12	<12	<12
C2-Phenanthrene	<6		<6	<6	<6	<6	<6	<6	<6	<6	22.0	<6		<6	<6	<6	<6	<6	<6
Fluoranthene	<14		27.0	<14	<14	26.9	19.1	146.9	15.1	133.8	111.6	<14		<14	16.5	14.4	33.7	31.4	31.0
Pyrene	<9		26.5	<9	<9	27.0	18.1	140.4	16.9	156.1	63.6	<9		<9	11.6	<9	41.3	38.3	36.9
C1-FP	<9		<9	<9	<9	<9	<9	31.6	<9	34.2	12.6	<9		<9	<9	<9	9.7	9.3	<9
C3-Phenanthrene	<6		<6	<6	<6	<6	<6	<6	<6	7.9	<6	<6		<6	<6	<6	<6	<6	<6
C2-FP	<9		<9	<9	<9	<9	<9	<9	<9	<9	<9	<9		<9	<9	<9	<9	<9	<9
C4-Phenanthrene	<6		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	<6	<6	<6	<6	<6
Benzo(a)Anthracene	<6		10.2	<6	<6	9.5	<6	38.9	6.2	50.7	18.8	<6		<6	<6	<6	15.0	14.5	14.5
Chrysene	<6		14.7	<6	<6	15.3	8.9	83.2	10.5	80.8	18.2	<6		<6	6.2	<6	20.8	19.7	20.1
C1-Chrysene	<6		11.4	<6	<6	11.5	6.7	47.7	10.3	63.3	10.8	<6		<6	<6	<6	18.8	18.8	20.2
C2-Chrysene	<6		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	<6	<6	<6	<6	<6
C3-Chrysene	<6		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	<6	<6	<6	<6	<6
C4-Chrysene	<6		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	<6	<6	<6	<6	<6
Benzo(b)Fluoranthene	<6		19.3	<6	<6	17.7	9.8	79.8	9.1	120.9	11.6	<6		<6	7.8	<6	30.5	29.8	32.3
Benzo(k)Fluoranthene	<4		14.5	<4	<4	12.9	7.1	54.5	5.9	80.0	8.3	<4		<4	4.2	<4	22.5	22.3	22.9
Benzo(e)Pyrene	<7		16.8	<7	<7	17.0	10.9	80.0	9.1	95.7	7.7	<7		<7	<7	<7	27.6	26.5	25.9
Benzo(a)Pyrene	<4		8.7	<4	<4	7.2	4.0	22.4	<4	37.4	4.0	<4		<4	<4	<4	10.0	10.0	10.8
Perylene	<5		9.7	<5	<5	9.6	5.5	14.9	12.8	14.1	19.8	<5		<5	<5	<5	14.3	14.0	14.4
Indeno(1,2,3-cd)Pyrene	<7		8.8	<7	<7	7.5	<7	23.4	<7	36.4	<7	<7		<7	<7	<7	9.5	8.8	9.8
Dibenz(a,h)Anthracene	<11		<11	<11	<11	<11	<11	<11	<11	<11	<11	<11		<11	<11	<11	<11	<11	<11
Benzo(ghi)Perylene	<15		<15	<15	<15	<15	<15	29.4	<15	40.1	<15	<15		<15	<15	<15	<15	<15	<15
Naphthalene_d8			62%	65%	59%	62%	61%	65%	64%	54%	57%	56%		60%	62%	61%	67%	64%	62%
Acenaphthene_d10			76%	88%	82%	84%	82%	83%	81%	80%	80%	86%		82%	86%	85%	89%	85%	85%
Phenanthrene_d10			91%	94%	92%	91%	90%	95%	95%	93%	89%	90%		92%	94%	91%	92%	93%	93%
Fluoranthene_d10			100%	110%	100%	99%	107%	101%	103%	97%	96%	105%		105%	110%	108%	99%	98%	102%
Chrysene_d12			103%	109%	101%	103%	108%	108%	99%	96%	96%	109%		105%	109%	107%	104%	105%	104%
Benzo(a)pyrene_d12			111%	110%	102%	110%	108%	108%	108%	103%	94%	100%		109%	113%	107%	109%	109%	109%
Benzo(ghi)Perylene-d12			106%	95%	93%	96%	95%	97%	98%	90%	89%	87%		99%	105%	91%	96%	92%	97%
TEO (Total Extractable Organics) - %			4.36%	5.85%	5.41%	4.28%	4.90%	4.56%	3.87%	4.90%	4.67%	6.30%		4.79%	5.71%	6.01%	4.19%	3.92%	3.91%

2012 Tissue Concentrations of PolyAromatic Hydrocarbons in <i>Mytilus edulis</i> (ng/g dry weight)			2012001131 03-Oct-11 MANR-comp 17-May-13	2012001132 03-Oct-11 MAME-comp 17-May-13	2012001133 19-Oct-11 MASN-comp 17-May-13		2012001140 11-Jan-12 NBTC-comp 12-Jun-13	2012001141 11-Jan-12 NBSC-comp 12-Jun-13		2012001142 12-Jan-12 NSDI-comp 12-Jun-13	2012001143 12-Jan-12 NSBI-comp 12-Jun-13	2012001144 12-Jan-12 NSAR-comp 12-Jun-13	2012001145 11-Jan-12 NSFI-comp 12-Jun-13
PAH	Det Limit (ng/g)	Massachusetts				New Brunswick				Nova Scotia			
Naphthalene	<10	<10	<10	<10	<10		10.9	<10		<10	<10	<10	<10
C1-Naphthalenes	<8	<8	<8	<8	<8		11.8	<8		<8	<8	<8	<8
Biphenyl	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C2-Naphthalene (5-Pks)	<8	<8	<8	<8	<8		<8	<8		<8	<8	<8	<8
Acenaphthylene	<11	<11	<11	<11	<11		<7	<11		<11	<11	<11	<11
Acenaphthene	<8	<8	<8	<8	<8		<8	<8		<8	<8	<8	<8
C-3 Naphthalene	<7	7.1	<7	<7	<7		<7	<7		<7	<7	<7	<7
Fluorene	<7	<7	<7	<7	<7		<7	<7		<7	<7	<7	<7
C1- Fluorene	<7	<7	<7	<7	<7		<7	<7		<7	<7	<7	<7
C2-Fluorene	<7	<7	<7	<7	<7		<7	<7		<7	<7	<7	<7
C3- Fluorene	<7	<7	<7	<7	<7		<7	<7		<7	<7	<7	<7
C4-Naphthalene	<7	<7	<7	<7	<7		<7	<7		7.6	<7	<7	<7
Dibenzothiophene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C4- Fluorene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C1-Dibenzothiophene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C2- Dibenzothiophene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C3-Dibenzothiophene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
Phenanthrene	<6	26.3	7.7	<6	<6		14.2	<6		8.9	12.1	<6	<6
Anthracene	<10	<10	<10	<10	<10		<10	<10		<10	<10	<10	<10
C1-Phenanthrene	<12	46.1	<12	<12	<12		14.0	<12		<12	13.0	<12	<12
C2-Phenanthrene	<6	<6	<6	<6	<6		<6	<6		18.2	22.4	<6	<6
Fluoranthene	<14	179.0	33.4	<14	<14		30.1	<14		16.2	40.2	<14	<14
Pyrene	<9	183.5	35.4	<9	<9		23.4	<9		9.1	23.7	<9	<9
C1-FP	<9	31.6	11.6	<9	<9		9.1	<9		<9	<9	<9	<9
C3-Phenanthrene	<6	<6	<6	<6	<6		<6	<6		<6	<6	<6	<6
C2-FP	<9	<9	<9	<9	<9		<9	<9		<9	<9	<9	<9
C4-Phenanthrene	<6	<6	<6	<6	<6		<6	<6		<6	<6	<6	<6
Benzo(a)Anthracene	<6	50.9	19.4	<6	<6		13.8	<6		<6	<6	<6	<6
Chrysene	<6	121.5	34.4	<6	<6		17.5	<6		<6	9.9	<6	<6
C1-Chrysene	<6	75.9	23.7	<6	<6		22.8	6.9		<6	6.7	<6	<6
C2-Chrysene	<6	<6	<6	<6	<6		<6	<6		<6	<6	<6	<6
C3-Chrysene	<6	<6	<6	<6	<6		<6	<6		<6	<6	<6	<6
C4-Chrysene	<6	<6	<6	<6	<6		<6	<6		<6	<6	<6	<6
Benzo(b)Fluoranthene	<6	104.5	42.2	<6	<6		17.5	<6		<6	6.6	<6	<6
Benzo(k)Fluoranthene	<4	68.5	22.0	<4	<4		12.1	<4		<4	4.5	<4	<4
Benzo(e)Pyrene	<7	121.3	35.2	<7	<7		11.8	<7		<7	<7	<7	<7
Benzo(a)Pyrene	<4	31.9	11.6	<4	<4		8.2	<4		<4	<4	<4	<4
Perylene	<5	12.8	16.7	<5	<5		18.9	5.7		<5	9.2	<5	7.7
Indeno(1,2,3-cd)Pyrene	<7	29.7	11.3	<7	<7		<7	<7		<7	<7	<7	<7
Dibenz(a,h)Anthracene	<11	<11	<11	<11	<11		<11	<11		<11	<11	<11	<11
Benzo(ghi)Perylene	<15	51.6	15.3	<15	<15		<15	<15		<15	<15	<15	<15
Naphthalene_d8		62%	65%	61%		58%	56%			42%	58%	56%	58%
Acenaphthene_d10		85%	81%	82%		80%	89%			63%	82%	84%	89%
Phenanthrene_d10		91%	92%	95%		89%	90%			68%	88%	85%	95%
Fluoranthene_d10		103%	99%	108%		83%	89%			75%	96%	83%	92%
Chrysene_d12		109%	105%	108%		94%	96%			82%	97%	91%	102%
Benzo(a)pyrene_d12		111%	107%	108%		104%	104%			103%	100%	105%	104%
Benzo(ghi)Perylene-d12		100%	96%	94%		89%	88%			75%	92%	88%	97%
TEO (Total Extractable Organics) - %		6.11%	4.34%	5.85%		5.54%	5.91%			8.61%	6.06%	6.06%	8.26%