

**APPENDIX E**

**EIGHTEENMILE CREEK AOC**

**TISSUE REPORTS**

**CHEMISTRY RESULTS**

**Eighteenmile Creek AOC - Pesticide Tissue Report**

**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	Aldrin	A-BHC	B-BHC	G-BHC	D-BHC	PPDDD	PPDDE	Q	PPDDT	Heptachlor	Dieldrin
116461	CONTROL -1	ug/kg	<2.17	<2.17	<2.17	<2.17	<2.17	<4.34	<4.34		<4.34	<2.17	<4.34
116462	CONTROL-2	ug/kg	1.49	<2.09	<2.09	<2.09	<2.09	<4.18	<4.18		<4.18	<2.09	<4.18
116463	CONTROL-3	ug/kg	<2.49	4.41	<2.49	<2.49	<2.49	<4.98	<4.98		<4.98	<2.49	<4.98
116464	EBU1 1-1	ug/kg	<1.92	<1.92	<1.92	<1.92	<1.92	<3.84	6.87	#	3.21	1.29	<3.84
116465	EBU1 1-2	ug/kg	<2.30	<2.30	<2.30	<2.30	<2.30	5.23	56.6	#	<4.60	<2.30	<4.60
116466	EBU1 1-3	ug/kg	<1.81	<1.81	<1.81	<1.81	<1.81	<3.63	8.9	#	<3.63	<1.81	<3.63
116467	EBU1 1-4	ug/kg	<1.47	<1.47	<1.47	<1.47	<1.47	<2.94	14.5	#	<2.94	<1.47	<2.94
116468	EBU1 1-5	ug/kg	<2.04	<2.04	<2.04	<2.04	<2.04	<4.08	9.76	#	<4.08	<2.04	<4.08
116469	EBU2 1-1	ug/kg	<2.40	<2.40	<2.40	<2.40	<2.40	<4.80	16.6	#	2.61	<2.40	<4.80
116470	EBU2 2-1	ug/kg	<2.36	<2.36	4.12	<2.36	<2.36	<4.73	8.45	#	3.02	<2.36	<4.73
116471	EBU2 3-1	ug/kg	<1.63	<1.63	<1.63	<1.63	<1.63	<3.26	9.35	#	<3.26	0.84	<3.26
116472	EBU2 4-1	ug/kg	<2.34	<2.34	<2.34	<2.34	<2.34	<4.67	10.8	#	<4.67	0.99	<4.67
116473	EBU2 5-1	ug/kg	<2.24	<2.24	<2.24	<2.24	<2.24	<4.48	7.03	#	2.61	<2.24	<4.48
116474	EBU3 1-1	ug/kg	<2.46	<2.46	1.55	<2.46	<2.46	<4.91	12.3	#	<4.91	<2.46	<4.91
116475	EBU3 2-1	ug/kg	<2.46	1.42	<2.46	<2.46	<2.46	<4.93	13.2	#	<4.93	<2.46	<4.93
116475	EBU3 2-1 MS	ug/kg	20.8	30.5	18	10.1	10.1	22.9	25.1		23.8	22.2	18.8
116475	EBU3 2-1 MS spk amt	ug/kg	37.2	37.2	37.2	37.2	37.2	37.2	37.2		37.2	37.2	37.2
116475	EBU3 2-1 MS % REC		58	82	48.6	27.2	27.2	61.5	67.5		64	70.5	50.5
116475	EBU3 2-1 MSD	ug/kg	22.3	32.8	18	17.1	17.1	21.6	25.9		24	25.8	19.6
116475	EBU3 2-1 MSD spk amt	ug/kg	37	37	37	37	37	37	37		37	37	37
116475	EBU3 2-1 MSD % REC		60	88.5	48.8	46.3	46.3	58.5	70		65	69.5	53
116475	EBU3 2-1 MSD RPD		3.4	7.6	0.4	52.0	52.0	5.0	14.0		1.6	1.4	4.8

**Notes:**

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**Eighteenmile Creek AOC - Pesticide Tissue Report**

**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	Aldrin	A-BHC	B-BHC	G-BHC	D-BHC	PPDDD	PPDDE	Q	PPDDT	Heptachlor	Dieldrin
116476	EBU3 3-1	ug/kg	<2.15	5.34	<2.15	<2.15	<2.15	<4.30	13.8		<4.30	<2.15	<1.30
116477	EBU3 4-1	ug/kg	<2.21	2.09	<2.21	<2.21	<2.21	<4.42	15.2	#	<4.42	<2.21	<4.42
116478	EBU3 5-1	ug/kg	<1.87	2.17	<1.87	<1.87	<1.87	<3.73	12.3	#	<3.73	<1.87	<3.73
116479	EBU4 1-1	ug/kg	<1.86	<1.86	<1.86	<1.86	<1.86	<3.72	10.2	#	<3.72	1.54	<3.72
116480	EBU4 2-1	ug/kg	<1.76	<1.76	<1.76	<1.76	<1.76	<3.52	9.34	#	<3.52	0.94	<3.52
116481	EBU4 3-1	ug/kg	<1.82	<1.82	<1.82	<1.82	<1.82	<3.63	10.6	#	<3.63	<1.82	<3.63
116482	EBU4 4-1	ug/kg	<2.13	<2.13	<2.13	<2.13	<2.13	<4.26	15.1	#	<4.26	1.36	<4.26
116483	EBU4 5-1	ug/kg	<2.36	<2.36	<2.36	<2.36	<2.36	<4.71	16.6	#	<4.71	1.12	<4.71
116484	EBU5 1-1	ug/kg	<2.50	<2.50	<2.50	<2.50	<2.50	<5.00	5.44	#	<5.00	<2.50	<5.00
116485	EBU5 2-1	ug/kg	<2.37	<2.37	<2.37	<2.37	<2.37	<4.73	7.82	#	<4.73	<2.37	<4.73
116486	EBU5 3-1	ug/kg	<2.23	<2.23	<2.23	<2.23	<2.23	<4.46	9.54	#	<4.46	1.22	<4.46
116487	EBU5 4-1	ug/kg	<2.42	<2.42	<2.42	<2.42	<2.42	<4.83	4.42	#	<4.83	<2.42	<4.83
116488	EBU5 5-1	ug/kg	<2.34	<2.34	<2.34	<2.34	<2.34	<4.68	29.1	#	<4.68	<2.34	<4.68
BL#01	METHOD BLANK 01(61-75)	ug/kg	<2.50	<2.50	<2.50	<2.50	<2.50	<5.00	<5.00		<5.00	<2.50	<5.00
BL#02	LCS 01	ug/kg	16.5	13.7	19.3	14.8	14.1	17.5	17.4		16.7	16.8	16.6
	LCS 01 spk amt	ug/kg	20	20	20	20	20	20	20		20	20	20
	LCS 01 % REC		82.5	68.5	96.5	74	70.5	87.5	97.5		83.5	84	83
BL#03	METHOD BLANK 02(76-88)	ug/kg	<2.50	<2.50	<2.50	<2.50	<2.50	<5.00	<5.00		<5.00	<2.50	<5.00
BL#04	LCS 02	ug/kg	19.3	15.4	22.8	17.2	18	20.2	21.1		19.3	20.6	19.1
	LCS 02 spk amt	ug/kg	20	20	20	20	20	20	20		20	20	20
	LCS 02 %REC		96.5	77	114	86	90	101	97.7		96.5	103	95.5

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**Eighteenmile Creek AOC - Pesticide Tissue Report**

**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	A-Endosulfan	B-Endosulfan	Endosulfan sulfate	Endrin	Endrin Aldehyde	Heptachlor Epoxide	Methoxychlor	Chlordane
116461	CONTROL-1	ug/kg	<2.17	2.23	<4.34	<4.34	8.78	<2.17	<21.7	<21.7
116462	CONTROL-2	ug/kg	<2.09	<4.18	7.35	<4.18	<4.18	<2.09	<20.9	<20.9
116463	CONTROL-3	ug/kg	<2.49	<4.98	14.7	<4.98	<4.98	<2.49	<24.9	<24.9
116464	EBU1 1-1	ug/kg	<1.92	<3.84	<3.84	<3.84	<3.84	<1.92	<19.2	<19.2
116465	EBU1 1-2	ug/kg	<2.30	<4.60	<4.60	<4.60	<4.60	<2.30	<23.0	<23.0
116466	EBU1 1-3	ug/kg	<1.81	<3.63	<3.63	<3.63	<3.63	<1.81	<18.1	<18.1
116467	EBU1 1-4	ug/kg	<1.47	<2.94	<2.94	<2.94	<2.94	<1.47	<14.7	<14.7
116468	EBU1 1-5	ug/kg	<2.04	<4.08	<4.08	<4.08	<4.08	<2.04	<20.4	<20.4
116469	EBU2 1-1	ug/kg	<2.40	<4.80	<4.80	<4.80	<4.80	<2.40	<24.0	<24.0
116470	EBU2 2-1	ug/kg	<2.36	<4.73	<4.73	<4.73	<4.73	<2.36	<23.6	<23.6
116471	EBU2 3-1	ug/kg	<1.63	<3.26	<3.26	<3.26	<3.26	<1.63	<16.3	<16.3
116472	EBU2 4-1	ug/kg	<2.34	<4.67	<4.67	<4.67	<4.67	<2.34	<23.4	<23.4
116473	EBU2 5-1	ug/kg	<2.24	<4.48	<4.48	<4.48	<4.48	<2.24	<22.4	<22.4
116474	EBU3 1-1	ug/kg	<2.46	<4.91	<4.91	<4.91	<4.91	<2.46	<24.6	<24.6
116475	EBU3 2-1	ug/kg	<2.46	<4.93	7.63	<4.93	<4.93	<2.46	<24.6	<24.6
116475	EBU3 2-1 MS	ug/kg				17.8		12.5	25.9	
116475	EBU3 2-1 MS spk amt	ug/kg				37.2		37.2	37.2	
116475	EBU3 2-1 MS % REC	ug/kg				47.9		33.7	70	
116475	EBU3 2-1 MSD	ug/kg				18.6		12.8	27.3	
116475	EBU3 2-1 MSD spk amt	ug/kg				37		37	37	
116475	EBU3 2-1 MSD % REC	ug/kg				50.5		34.7	74	
116475	EBU3 2-1 MSD RPD	ug/kg				5.3		2.9	5.6	

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**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	A-Endosulfan	B-Endosulfan	Endosulfan sulfate	Endrin	Endrin Aldehyde	Heptachlor Epoxide	Methoxychlor	Chlordane
116476	EBU3 3-1	ug/kg	<2.15	<4.30	<4.30	<4.30	<4.30	<2.15	<21.5	<21.5
116477	EBU3 4-1	ug/kg	<2.21	<4.42	10.5	<4.42	<4.42	<2.21	<22.1	<22.1
116478	EBU3 5-1	ug/kg	<1.87	<3.73	12.7	1.95	<3.73	<1.87	<18.7	<18.7
116479	EBU4 1-1	ug/kg	<1.86	<3.72	<3.72	<3.72	<3.72	<1.86	<18.6	<18.6
116480	EBU4 2-1	ug/kg	<1.76	<3.52	10.3	<3.52	<3.52	<1.76	<17.6	<17.6
116481	EBU4 3-1	ug/kg	<1.82	<3.63	<3.63	<3.63	<3.63	<1.82	<18.2	<18.2
116482	EBU4 4-1	ug/kg	<2.13	<4.26	3.27	<4.26	<4.26	<2.13	<21.3	<21.3
116483	EBU4 5-1	ug/kg	<2.36	<4.71	<4.71	<4.71	<4.71	<2.36	<23.6	<23.6
116484	EBU5 1-1	ug/kg	<2.50	<5.00	<5.00	<5.00	<5.00	<2.50	<25.0	<25.0
116485	EBU5 2-1	ug/kg	<2.37	<4.73	<4.73	<4.73	<4.73	<2.37	<23.7	<23.7
116486	EBU5 3-1	ug/kg	<2.23	<4.46	<4.46	<4.46	<4.46	<2.23	<22.3	<22.3
116487	EBU5 4-1	ug/kg	<2.42	<4.83	<4.83	<4.83	<4.83	<2.42	<24.2	<24.2
116488	EBU5 5-1	ug/kg	<2.34	<4.68	<4.68	<4.68	<4.68	<2.34	<23.4	<23.4
BL#01	METHOD BLANK 01(61-75)	ug/kg	<2.50	<5.00	<5.00	<5.00	<5.00	<2.50	<25.0	<25.0
BL#02	LCS 01	ug/kg	N/A	N/A	13.2	13.2	N/A	18.6	16	N/A
	LCS 01 spk amt	ug/kg			20	20		20	20	
	LCS 01 % REC	ug/kg			66	66		93	80	
BL#03	METHOD BLANK 02(76-88)	ug/kg	<2.50	<5.00	<5.00	<5.00	<5.00	<2.50	<25.0	<25.0
BL#04	LCS 02	ug/kg	N/A	N/A	17.7	18.2	N/A	21.4	22.2	N/A
	LCS 02 spk amt	ug/kg			20	20		20	20	
	LCS 02 %REC	ug/kg			88.5	91		107	111	

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**Eighteenmile Creek AOC - Pesticide Tissue Report**

**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	Toxaphene	Alpha Chlordane	Gamma Chlordane	TcIXYL-S	DCLBP
116461	CONTROL -1	ug/kg	<43.4	<2.17	<2.17	83.8%	66.6%
116462	CONTROL-2	ug/kg	<41.8	<2.09	<2.09	85.8%	64.9%
116463	CONTROL-3	ug/kg	<49.8	<2.49	<2.49	64.5%	54.6%
116464	EBU1 1-1	ug/kg	<38.4	<1.92	<1.92	67.6%	60.2%
116465	EBU1 1-2	ug/kg	<46.0	<2.30	7	76.0%	66.5%
116466	EBU1 1-3	ug/kg	<36.3	<1.81	<1.81	64.9%	54.5%
116467	EBU1 1-4	ug/kg	<29.4	<1.47	<1.47	87.6%	71.0%
116468	EBU1 1-5	ug/kg	<40.8	<2.04	<2.04	76.4%	67.7%
116469	EBU2 1-1	ug/kg	<48.0	<2.40	<2.40	72.6%	65.4%
116470	EBU2 2-1	ug/kg	<47.3	<2.36	5.37	84.5%	68.7%
116471	EBU2 3-1	ug/kg	<32.6	<1.63	<1.63	92.1%	77.9%
116472	EBU2 4-1	ug/kg	<46.7	<2.34	<2.34	90.5%	72.1%
116473	EBU2 5-1	ug/kg	<44.8	<2.24	<2.24	65.2%	46.2%
116474	EBU3 1-1	ug/kg	<49.1	<2.46	8.55	81.2%	68.3%
116475	EBU3 2-1	ug/kg	<49.3	<2.46	8.96	97.4%	90.5%
116475	EBU3 2-1 MS	ug/kg	24.2	23.2	23.2		
116475	EBU3 2-1 MS spk amt	ug/kg	37.2	37.2	37.2		
116475	EBU3 2-1 MS % REC	ug/kg	65	62.5	62.5	69.1%	62.9%
116475	EBU3 2-1 MSD	ug/kg	25	24.5	24.5		
116475	EBU3 2-1 MSD spk amt	ug/kg	37	37	37		
116475	EBU3 2-1 MSD % REC	ug/kg	67.5	66.5	66.5	72.0%	63.9%
116475	EBU3 2-1 MSD RPD	ug/kg	3.8	6.2	6.2		

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**Table 1**

Results based on wet weights.

Lab ID	Field Description	Units	Toxaphene	Alpha Chlordane	Gamma Chlordane	TcIXYL-S	DCLBP
116476	EBU3 3-1	ug/kg	<43.0	<2.15	<2.15	74.4%	61.0%
116477	EBU3 4-1	ug/kg	<44.2	<2.21	<2.21	80.6%	70.2%
116478	EBU3 5-1	ug/kg	<37.3	<1.87	<1.87	74.5%	65.5%
116479	EBU4 1-1	ug/kg	<37.2	<1.86	6.35	76.1%	59.7%
116480	EBU4 2-1	ug/kg	<35.2	<1.76	5.61	58.3%	38.2%
116481	EBU4 3-1	ug/kg	<36.3	<1.82	7.83	70.3%	50.3%
116482	EBU4 4-1	ug/kg	<42.6	<2.13	10.4	72.1%	62.2%
116483	EBU4 5-1	ug/kg	<47.1	<2.36	9.96	83.8%	73.1%
116484	EBU5 1-1	ug/kg	<50.0	<2.50	<2.50	81.9%	77.9%
116485	EBU5 2-1	ug/kg	<47.3	<2.37	<2.37	85.1%	78.8%
116486	EBU5 3-1	ug/kg	<44.6	<2.23	<2.23	90.6%	79.5%
116487	EBU5 4-1	ug/kg	<48.3	<2.42	<2.42	90.3%	69.2%
116488	EBU5 5-1	ug/kg	<46.8	<2.34	<2.34	86.7%	79.9%
BL#01	METHOD BLANK 01(61-75)	ug/kg	<50.0	<2.50	<2.50	104%	93.3%
BL#02	LCS 01	ug/kg	N/A	18.2	18.1	102%	86.8%
	LCS 01 spk amt	ug/kg		20	20		
	LCS 01 % REC			91	90.5		
BL#03	METHOD BLANK 02(76-88)	ug/kg	<50.0	<2.50	<2.50	111%	102%
BL#04	LCS 02	ug/kg	N/A	21.4	21.3	111%	103%
	LCS 02 spk amt	ug/kg		20	20		
	LCS 02 %REC			107	107		

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Job Description: 18 Mile Creek Bio Buffalo - Lotufo/Karn Job File Number: 116461

## ECB Quality Assurance Corrective Action Form

Analysis: Pesticides Date: 29-December-03  
Analyst: Morrow Instrument: \_\_\_\_\_

Problem: **1. Low D-BHC recovery for 116475 Matrix Spike of 27.2 percent; method recovery limits are 40- 140 percent.**  
**2. Endosulfan sulfate recovery after subtracting the sample amount - 116475 is 7.63 ppb, matrix spike is 6.52 ppm and Matrix Spike Duplicate is 6.63 ppb**  
**3. Low decachlorobiphenyl recovery.**

Sample Number(s) Affected: **1&2) 116475 MS and 116475 MSD**  
**3) 116481**

Recommended Corrective Action:

Corrective Action Taken By Analyst: **With the exception of items 1-3, all other quality control was within control limits.**

Comments: **# indicates a RPD greater than 40 percent between primary and confirantion column.**

Date Corrective Action Taken: 29-December-03  
Reviewed by: \_\_\_\_\_

Job Description: 18 Mile Creek Bio Buffalo - Lotufo/Karn Job File Number: 116461

## ECB Quality Assurance Corrective Action Form

Analysis: Pesticide Date: 12-January-04  
Analyst: Morrow Instrument: GC #83

Problem: **More than 40 percent RPD between primary and confirmation columns.**

Sample Number(s) Affected: **116466, 116468-116475, 116477-116487**

Recommended Corrective Action:

Corrective Action Taken By Analyst: **An apparent interference is on the confirmation column. Reported the values from the primary column.**

Comments:

Date Corrective Action Taken: 12-January-04  
Reviewed by: \_\_\_\_\_

**Eighteenmile Creek AOC - PCB Congener Tissue Report**

Table 2

Results based on wet weights.

Lab ID	Field Description	Units	PCB 15	PCB 18	Q	PCB 31	Q	PCB 40	Q	PCB 44	Q	PCB 49	PCB 52	PCB 54	PCB 60	Q	PCB 77	Q
116489	CONTROL-1	ug/kg	<0.95	<0.95		<0.95		<0.95		<0.95		<0.95	1.62	<1.90	<1.90		<0.95	
116490	CONTROL-2	ug/kg	<1.00	<1.00		<1.00		<1.00		<1.00		0.58	1.04	<2.00	<2.00		<1.00	
116491	CONTROL-3	ug/kg	<0.96	<0.96		<0.96		<0.96		<0.96		<0.96	<0.96	<1.92	<1.92		<0.96	
116492	EBU1 1-1	ug/kg	NR	4.82		8.67	C	2.16	C	9.72	C	13.6	17.3	<1.72	1.15	C	0.74	C
116493	EBU1 1-2	ug/kg	NR	6.11	#	15.1	C	3.19	C	16.5	C	24.2	23.6	<1.98	2.28	C	1.39	C
116494	EBU1 1-3	ug/kg	NR	5.4		10.3	C	2.07	C	10.1	C	13.7	17	<1.24	1.33	C	0.73	C
116495	EBU1 1-4	ug/kg	NR	5.5		10.9	C	2.45	C	11.7	C	16.8	20.5	<1.18	1.62	C	0.79	C
116496	EBU1 1-5	ug/kg	NR	5.06		8.6	C	1.95	C	10.2	C	13.6	17.4	<1.84	1.45	C	0.86	C
116497	EBU2 1-1	ug/kg	NR	6.74		10.3	C	2.06	C	9.75	C	13.8	16.7	<1.98	1.16	C	0.91	C
116497	EBU2 1-1MS	ug/kg		19.6		25.2				24.4		29.1	16.7				22.9	
116497	EBU2 1-1MS Spike Amt			26.5		26.5				26.5		26.5	26.5				26.5	
116497	EBU2 1-1MS % REC			48.7		56.2				55.5		57.7	55.8				83	
116497	EBU2 1-1MSD			26.1		33				30.5		31.7	35.7				27.4	
116497	EBU2 1-1MSD Spike Amt			33		33				33		33	33				33	
116497	EBU2 1-1MSD % REC			58.8		68.8				63		54.2	57.6				80.3	
116497	EBU2 1-1MSD RPD			18.8		20.2				12.7		6.3	3.2				3.3	
116498	EBU2 2-1	ug/kg	NR	7.41		12.3	C	2.44	C	12.1	C	18.4	21.1	<1.86	1.1	C	0.85	C
116499	EBU2 3-1	ug/kg	NR	7.38		10.2	C	4.48	C	13.3	C	16	18.4	<1.88	1.04	C	2.95	C
116500	EBU2 4-1	ug/kg	NR	8.63		10.9	C	2.96	C	14	C	20.7	24.2	<1.86	1.28	C	0.8	C
116501	EBU2 5-1	ug/kg	NR	8.56		11.9	C	3.44	C	14.7	C	18.3	21.6	<1.98	1.03	C	0.88	C
116502	EBU3 1-1	ug/kg	NR	14.9		16.1	C	4.65	C	20.7	C	23.8	26.5	<1.70	1.11	C	1.5	C
116503	EBU3 2-1	ug/kg	NR	13.9		18.5	C	4.41	C	20.3	C	21.9	26.1	<1.46	1.08	C	1	C
116504	EBU3 3-1	ug/kg	NR	14.6		18.6	C	4.75	C	22.1	C	22.9	27.1	<1.90	1.29	C	1.39	C
116505	EBU3 4-1	ug/kg	NR	11.6		14.1	C	3.54	C	16.2	C	18.2	21.3	<1.46	1.15	C	1.54	C
116506	EBU3 5-1	ug/kg	NR	10.2		15.9	C	3.48	C	15.8	C	18.9	21.2	<1.70	1.22	C	1.52	C

**Notes:**

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**

Results based on wet weights.

Lab ID	Field Description	Units	PCB 15	PCB 18	Q	PCB 31	Q	PCB 40	Q	PCB 44	Q	PCB 49	PCB 52	PCB 54	PCB 60	Q	PCB 77	Q
116507	EBU4 1-1	ug/kg	NR	7.4		12.6	C	2.91	C	13.6	C	18.5	21.9	<1.12	1.72	C	0.73	C
116508	EBU4 2-1	ug/kg	NR	8.85		14.8	C	3.48	C	16.5	C	21.9	26.3	<1.42	1.86	C	0.88	C
116509	EBU4 3-1	ug/kg	NR	6.83		13.7	C	2.63	C	12.1	C	17.7	20.8	<1.98	1.65	C	0.85	C
116510	EBU4 4-1	ug/kg	NR	7.7		13.1	C	2.55	C	13	C	19.9	25.3	<1.98	1.74	C	0.91	C
116511	EBU4 5-1	ug/kg	NR	7.69		13.6	C	3.2	C	15.3	C	22.1	25.5	<2.00	1.72	C	0.87	C
116512	EBU5 1-1	ug/kg	NR	2.63	#	4.9	C	1.11	C	6.31	C	9.15	12.5	<2.00	1.11	C	0.57	C
116513	EBU5 2-1	ug/kg	NR	3.07	#	5.24	C	1.11	C	6.01	C	9.33	12.5	<2.00	1.08	C	0.79	C
116514	EBU5 3-1	ug/kg	NR	3.76		7.03	C	1.53	C	7.74	C	10.5	14.7	<1.86	0.93	C	0.67	C
116515	EBU5 4-1	ug/kg	NR	3.33		6.24	C	1.29	C	6.46	C	9.24	12.5	<1.94	0.89	C	0.75	C
116516	EBU5 5-1	ug/kg	NR	4.02		6.35	C	1.46	C	7.74	C	11.3	15.2	<1.98	1.11	C	0.59	C
BL#01	METHOD BLANK 01 (116489-116503)	ug/kg	<1.00	<1.00		<1.00		<1.00		<1.00		<1.00	<1.0	<2.00	<2.00		<1.00	
BL#02	LCS 01 (116489-116503)	ug/kg	N/A	18		17		N/A		18.6		18.3	16.1	N/A	N/A		22.7	
BL#02	LCS 01 (116489-116503) Spk Amt			20		20				20		20	20				20	
BL#02	LCS 01 (116489-116503) % REC			90		85				93		91.5	80.5				113.5	
BL#02	LCSD 01 (116489-116503) Dupl			17.6		15.8				18.3		17.9	15.8				20.9	
BL#02	LCSD 01 (116489-116503) Spk Amt			20		20				20		20	20				20	
BL#02	LCSD 01 (116489-116503) % REC			88		79				91.5		89.5	79				104.5	
BL#02	LCSD 01 (116489-116503) RPD			2.25		7.32				1.6		2.2	1.9				8.3	
BL#03	METHOD BLANK 02 (116504-116516)	ug/kg	<1.00	<1.00		<1.00		<1.00		<1.00		<1.00	<1.00	<2.00	<2.00		<1.00	
BL#04	LCS 02 (116504-116516)	ug/kg	N/A	16.9		15.8		N/A		17.6		17.2	15.3	N/A	N/A		24.2	
BL#04	LCS 02 (116504-116516) Spk Amt			20		20				20		20	20				20	
BL#04	LCS 02 (116504-116516) % REC			84.5		79				88		86	76.5				121	

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**

Results based on wet weights.

Lab ID	Field Description	Units	PCB 86	PCB 87	Q	PCB 97	Q	PCB 101	PCB 103	PCB 105	Q	PCB 114	PCB 118	Q	PCB 121	PCB 128	Q	PCB 129	Q
116489	CONTROL-1	ug/kg	N/A	<0.95		<0.95		<0.95	<0.95	<0.95		<0.95	<0.95		<0.95	<0.95		<1.90	
116490	CONTROL-2	ug/kg	N/A	<1.00		<1.00		<1.00	<1.00	<1.00		<1.00	<1.00		<1.00	<1.00		<2.00	
116491	CONTROL-3	ug/kg	N/A	<0.96		<0.96		<0.96	<0.96	<0.96		<0.96	<0.96		<0.96	<0.96		<1.92	
116492	EBU1 1-1	ug/kg	N/A	5.16	C	3.84	C	11.6	<0.86	3.07	C	<0.86	5.75	#	<0.86	0.89	#	<1.72	
116493	EBU1 1-2	ug/kg	N/A	10.8	C	7.57	C	19.1	<0.99	5.93	C	<0.99	10.5	#	<0.99	1.86	#	<1.98	
116494	EBU1 1-3	ug/kg	N/A	5.55	C	4.11	C	10.7	<0.62	3.32	C	<0.62	6.14	#	<0.62	0.84	#	<1.24	
116495	EBU1 1-4	ug/kg	N/A	7.15	C	5.34	C	14.8	<0.59	4.32	C	<0.59	7.32	#	<0.59	1.49	#	<1.18	
116496	EBU1 1-5	ug/kg	N/A	5.41	C	4.06	C	9.89	<0.92	3.22	C	<0.92	5.77	#	<0.92	0.88	#	<1.84	
116497	EBU2 1-1	ug/kg	N/A	4.27	C	3.68	C	7.77	<0.99	2.64	C	<0.99	4.06	#	<0.99	0.73	#	<1.98	
116497	EBU2 1-1MS	ug/kg		27.7						22.3		18.7	23.1		20.4	22.9			
116497	EBU2 1-1MS Spike Amt			26.5						26.5		26.5	26.5		26.5	26.5			
116497	EBU2 1-1MS % REC			88.3						74.3		70.6	71.7		77	83.8			
116497	EBU2 1-1MSD			36						26.5		21.8	30		26.5	24.3			
116497	EBU2 1-1MSD Spike Amt			33						33		33	33		33	33			
116497	EBU2 1-1MSD % REC			96.1						72.4		66.1	78.5		80.3	71.5			
116497	EBU2 1-1MSD RPD			8.5						2.6		6.6	9.1		4.2	15.8			
116498	EBU2 2-1	ug/kg	N/A	5.38	C	4.56	C	11.2	<0.93	2.93	C	<0.93	5.26	#	<0.93	1.08	#	<1.86	
116499	EBU2 3-1	ug/kg	N/A	3.95	C	3.94	C	11.3	<0.94	2.6	C	<0.94	4.9	#	<0.94	0.68	#	<1.88	
116500	EBU2 4-1	ug/kg	N/A	5.99	C	5.23	C	15.5	<0.93	3.99	C	<0.93	6.87	#	<0.93	1.13	#	<1.86	
116501	EBU2 5-1	ug/kg	N/A	4.67	C	4.09	C	7.09	<0.99	2.74	C	<0.99	6.07	#	<0.99	1.05	#	<1.98	
116502	EBU3 1-1	ug/kg	N/A	6.32	C	5.98	C	16.8	<0.85	3.88	C	0.78	9.39		<0.85	1.29		<1.70	
116503	EBU3 2-1	ug/kg	N/A	5.58	C	5.96	C	15	<0.73	3.49	C	<0.73	9.4		<0.73	1.22		<1.46	
116504	EBU3 3-1	ug/kg	N/A	7.19	C	6.88	C	17.6	<0.95	4.28	C	<0.95	11.7		<0.95	1.58		<1.90	
116505	EBU3 4-1	ug/kg	N/A	5.97	C	5.84	C	15.8	<0.73	3.93	C	<0.73	9.87		<0.73	1.65		<1.46	
116506	EBU3 5-1	ug/kg	N/A	5.69	C	5.63	C	16.2	<0.85	3.68	C	<0.85	9.12		<0.85	1.28		<1.70	

**Notes:**

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Eighteenmile Creek AOC - PCB Congener Tissue Report

Table 2

Results based on wet weights.

Lab ID	Field Description	Units	PCB 86	PCB 87	Q	PCB 97	Q	PCB 101	PCB 103	PCB 105	Q	PCB 114	PCB 118	Q	PCB 121	PCB 128	Q	PCB 129	Q
116507	EBU4 1-1	ug/kg	N/A	6.96	C	5.26	C	16.1	<0.56	4.59	C	<0.56	8.57	C	<0.56	1.3	0.55		C
116508	EBU4 2-1	ug/kg	N/A	8.24	C	6.17	C	17	<0.71	4.79	C	<0.71	10.9	C	<0.71	1.28	<1.42		
116509	EBU4 3-1	ug/kg	N/A	6.93	C	5.07	C	14.1	<0.99	4.14	C	<0.99	8.06	C	<0.99	1.05	<1.98		
116510	EBU4 4-1	ug/kg	N/A	8.54	C	6.97	C	18.4	<0.99	4.97	C	<0.99	8.68	C	<0.99	1.79	<1.98		
116511	EBU4 5-1	ug/kg	N/A	8.6	C	6.75	C	20.2	<1.00	5.23	C	<1.00	8.93	C	<1.00	1.54	<2.00		
116512	EBU5 1-1	ug/kg	N/A	4.89	C	3.69	C	8.9	<1.00	3.14	C	<1.00	4.03	C	<1.00	1.04	<2.00		
116513	EBU5 2-1	ug/kg	N/A	4.53	C	3.51	C	9.15	<1.00	3.22	C	<1.00	3.1	C	<1.00	1	<2.00		
116514	EBU5 3-1	ug/kg	N/A	5.04	C	3.75	C	10.1	<0.93	3.21	C	<0.93	4.42	C	<0.93	1.02	<1.86		
116515	EBU5 4-1	ug/kg	N/A	4.97	C	3.75	C	9.93	<0.97	3.59	C	<0.97	4.13	C	<0.97	1.04	<1.94		
116516	EBU5 5-1	ug/kg	N/A	5.15	C	4.26	C	12.1	<0.99	3.42	C	<0.99	4.52	C	<0.99	1.14	<1.98		
BL#01	METHOD BLANK 01 (116489-116503)	ug/kg	<1.00	<1.00		<1.00		<1.00	<1.00	<1.00		<1.00	<1.00		<1.00	<1.00	<2.00		
BL#02	LCS 01 (116489-116503)	ug/kg	N/A	23.5	N/A	N/A	N/A	N/A	N/A	19.2	N/A	18.6	20.1	N/A	21.4	18.6	N/A		
BL#02	LCS 01 (116489-116503) Spk Amt			20						20		20	20		20	20			
BL#02	LCS 01 (116489-116503) % REC			117.5						96		93	100.5		107	93			
BL#02	LCSD 01 (116489-116503) Dupl			23.2						19.1		18.5	20.1		21.4	18.2			
BL#02	LCSD 01 (116489-116503) Spk Amt			20						20		20	20		20	20			
BL#02	LCSD 01 (116489-116503) % REC			116						95.5		92.5	100.5		107	91			
BL#02	LCSD 01 (116489-116503) RPD			1.3						0.5		0.5	0.0		0.0	2.2			
BL#03	METHOD BLANK 02 (116504-116516)	ug/kg	<1.00	<1.00		<1.00		<1.00	<1.00	<1.00		<1.00	<1.00		<1.00	<1.00	<2.00		
BL#04	LCS 02 (116504-116516)	ug/kg	N/A	23.7	N/A	N/A	N/A	N/A	N/A	19.3	N/A	19.7	21	N/A	21.6	13.8	N/A		
BL#04	LCS 02 (116504-116516) Spk Amt			20						20		20	20		20	20			
BL#04	LCS 02 (116504-116516) % REC			118.5						96.5		98.5	105		108	69			

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Eighteenmile Creek AOC - PCB Congener Tissue Report

Table 2  
Results based on wet weights.

Lab ID	Field Description	Units	PCB 138	Q	PCB 141	Q	PCB 143	Q	PCB 151	Q	PCB 153	PCB 154	PCB 156	PCB 159	PCB 167	PCB 171	PCB 173	PCB 180	Q
116489	CONTROL-1	ug/kg	<0.95		<0.95		<0.95		<0.95		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	
116490	CONTROL-2	ug/kg	<1.00		<1.00		<1.00		<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
116491	CONTROL-3	ug/kg	<0.96		<0.96		<0.96		<0.96		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	
116492	EBU1 1-1	ug/kg	6.68	C	NR		<0.86		1.65	#	NR	<0.86	NR	NR	<0.86	NR	<0.86	1.03	#
116493	EBU1 1-2	ug/kg	14.1	C	NR		<0.99		3.51		NR	<0.99	NR	NR	<0.99	NR	<0.99	1.77	#
116494	EBU1 1-3	ug/kg	6.59	C	NR		<0.62		1.39		NR	<0.62	NR	NR	<0.62	NR	<0.62	1.14	#
116495	EBU1 1-4	ug/kg	8.85	C	NR		<0.59		2.2	#	NR	<0.59	NR	NR	<0.59	NR	<0.59	1.47	C#
116496	EBU1 1-5	ug/kg	7.29	C	NR		<0.92		1.65	#	NR	<0.92	NR	NR	<0.92	NR	<0.92	1.31	C#
116497	EBU2 1-1	ug/kg	7.3	C	NR		<0.99		1.57	#	NR	<0.99	NR	NR	<0.99	NR	<0.99	0.79	
116497	EBU2 1-1MS	ug/kg	17.1						18.8										
116497	EBU2 1-1MS Spike Amt		26.5						26.5										
116497	EBU2 1-1MS % REC		37						64.9										
116497	EBU2 1-1MSD		31.9						24.5										
116497	EBU2 1-1MSD Spike Amt		33						33										
116497	EBU2 1-1MSD % REC		74.5						69.4										
116497	EBU2 1-1MSD RPD		67.3						6.7										
116498	EBU2 2-1	ug/kg	8.31	C	NR		<0.93		2.04		NR	<0.93	NR	NR	<0.93	NR	<0.93	0.85	C
116499	EBU2 3-1	ug/kg	6.52	C	NR		<0.94		1.6		NR	<0.94	NR	NR	<0.94	NR	<0.94	0.89	C
116500	EBU2 4-1	ug/kg	9.84	C	NR		<0.93		2.44		NR	<0.93	NR	NR	<0.93	NR	<0.93	1.07	C#
116501	EBU2 5-1	ug/kg	9.36	C	NR		<0.99		2.37	#	NR	<0.99	NR	NR	<0.99	NR	<0.99	4.61	C
116502	EBU3 1-1	ug/kg	11	C	NR		<0.85		3.24		NR	<0.85	NR	NR	<0.85	NR	<0.85	1.6	C
116503	EBU3 2-1	ug/kg	8.13	C	NR		<0.73		2.96	#	NR	<0.73	NR	NR	<0.73	NR	<0.73	1.09	C
116504	EBU3 3-1	ug/kg	10.2	C	NR		<0.95		3.41	#	NR	<0.95	NR	NR	<0.95	NR	<0.95	1.57	C
116505	EBU3 4-1	ug/kg	9.06	C	NR		<0.73		2.68	#	NR	<0.73	NR	NR	<0.73	NR	<0.73	1.21	C
116506	EBU3 5-1	ug/kg	9.3	C	NR		<0.85		3.66	#	NR	<0.85	NR	NR	<0.85	NR	<0.85	0.9	C

Notes:

= BRL  
 = J Value


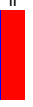
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Eighteenmile Creek AOC - PCB Congener Tissue Report

Table 2  
Results based on wet weights.

Lab ID	Field Description	Units	PCB 138	Q	PCB 141	Q	PCB 143	Q	PCB 153	Q	PCB 154	Q	PCB 156	Q	PCB 167	Q	PCB 171	Q	PCB 173	Q	PCB 180	Q
116507	EBU4 1-1	ug/kg	8.2	C	NR	<0.56	2.47	#	NR	<0.56	NR	NR	NR	NR	0.65	NR	NR	NR	<0.56	NR	2.38	#
116508	EBU4 2-1	ug/kg	8.92	C	NR	<0.71	2.51	#	NR	<0.71	NR	NR	NR	NR	0.6	NR	NR	NR	<0.71	NR	1.64	#
116509	EBU4 3-1	ug/kg	8.45	C	NR	<0.99	1.94	#	NR	<0.99	NR	NR	NR	NR	0.67	NR	NR	NR	<0.99	NR	1.53	#
116510	EBU4 4-1	ug/kg	11.7	C	NR	<0.99	2.93	#	NR	<0.99	NR	NR	NR	NR	0.56	NR	NR	NR	<0.99	NR	1.8	#
116511	EBU4 5-1	ug/kg	12.2	C	NR	<1.00	2.88	#	NR	<1.00	NR	NR	NR	NR	0.59	NR	NR	NR	<1.00	NR	1.62	#
116512	EBU5 1-1	ug/kg	9.84	C	NR	<1.00	2.26	#	NR	<1.00	NR	NR	NR	NR	0.4	NR	NR	NR	<1.00	NR	1.06	#
116513	EBU5 2-1	ug/kg	9.23	C	NR	<1.00	2.23	#	NR	<1.00	NR	NR	NR	NR	<1.00	NR	NR	NR	<1.00	NR	1.69	#
116514	EBU5 3-1	ug/kg	5.58	C	NR	<0.93	1.81	#	NR	<0.93	NR	NR	NR	NR	<0.93	NR	NR	NR	<0.93	NR	1.02	#
116515	EBU5 4-1	ug/kg	9.25	C	NR	<0.97	1.82	#	NR	<0.97	NR	NR	NR	NR	<0.97	NR	NR	NR	<0.97	NR	1.12	#
116516	EBU5 5-1	ug/kg	9.74	C	NR	<0.99	2.16	#	NR	<0.99	NR	NR	NR	NR	<0.99	NR	NR	NR	<0.99	NR	0.95	#
BL#01	METHOD BLANK 01 (116489-116503)	ug/kg	<1.00		<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
BL#02	LCS 01 (116489-116503)	ug/kg	20		19	N/A	18.3		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BL#02	LCS 01 (116489-116503) Spk Amt		20		20		91.5															
BL#02	LCS 01 (116489-116503) % REC		100		95		18.1															
BL#02	LCSD 01 (116489-116503) Dupl		19.8		18.6																	
BL#02	LCSD 01 (116489-116503) Spk Amt		20		20		90.5															
BL#02	LCSD 01 (116489-116503) % REC		99		93		1.1															
BL#02	LCSD 01 (116489-116503) RPD		1.0		2.1																	
BL#03	METHOD BLANK 02 (116504-116516)	ug/kg	<1.00		<1.00	<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
BL#04	LCS 02 (116504-116516)	ug/kg	20.9		21.1		18.5		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BL#04	LCS 02 (116504-116516) Spk Amt		20		20		92.5															
BL#04	LCS 02 (116504-116516) % REC		104.5		105.5																	

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**  
Results based on wet weights.

Lab ID	Field Description	Units	PCB 182	Q	PCB 183	Q	PCB 185	Q	PCB 187	Q	PCB 189	Q	PCB 191	Q	PCB 194	Q	PCB 195	Q	PCB 196	Q	PCB 199	Q	PCB 201	Q	PCB 202	Q	
116489	CONTROL-1	ug/kg	<0.95		<0.95		<0.95		0.59		<0.95		<0.95		<0.95		<0.95		<0.95		<0.95		<0.95		<0.95		<0.95
116490	CONTROL-2	ug/kg	<1.00		<1.00		<1.00		0.61		<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<1.00		<1.00
116491	CONTROL-3	ug/kg	<0.96		<0.96		<0.96		0.62		<0.96		<0.96		<0.96		<0.96		<0.96		<0.96		<0.96		<0.96		<0.96
116492	EBU1 1-1	ug/kg	<0.86		0.36		<0.86		NR		<0.86		<0.86		<0.86		<0.86		<0.86		<0.86		0.45		<0.86		<0.86
116493	EBU1 1-2	ug/kg	<0.99		0.73		0.58		NR		<0.99		<0.99		<0.99		<0.99		<0.99		<0.99		1.06		<0.99		<0.99
116494	EBU1 1-3	ug/kg	<0.62		0.36		0.31		NR		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		0.46		<0.62		<0.62
116495	EBU1 1-4	ug/kg	<0.59		0.64		0.39		NR		<0.59		<0.59		0.23		<0.59		<0.59		<0.59		0.618		<0.59		<0.59
116496	EBU1 1-5	ug/kg	<0.92		<0.92		0.39		NR		<0.92		<0.92		<0.92		<0.92		<0.92		<0.92		0.46		<0.92		<0.92
116497	EBU2 1-1	ug/kg	<0.99		<0.99		0.43		NR		<0.99		<0.99		<0.99		<0.99		<0.99		<0.99		0.44		<0.99		<0.99
116497	EBU2 1-1MS	ug/kg			19.3												17.5										
116497	EBU2 1-1MS Spike Amt				26.5												26.5										
116497	EBU2 1-1MS % REC				72.8												66										
116497	EBU2 1-1MSD				23.1												20.3										
116497	EBU2 1-1MSD Spike Amt				33												33										
116497	EBU2 1-1MSD % REC				70												61.5										
116497	EBU2 1-1MSD RPD				3.9												7.1										
116498	EBU2 2-1	ug/kg	<0.93		0.39		0.31		NR		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		0.59		<0.93		<0.93
116499	EBU2 3-1	ug/kg	<0.94		<0.94		<0.94		NR		<0.94		<0.94		<0.94		1.17		C		<0.94		0.44		<0.94		<0.94
116500	EBU2 4-1	ug/kg	0.38		0.44		0.38		NR		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		0.76		<0.93		<0.93
116501	EBU2 5-1	ug/kg	<0.99		1.62		0.44		NR		<0.99		<0.99		1.14		0.62		C		<0.99		1.31		<0.99		<0.99
116502	EBU3 1-1	ug/kg	<0.85		1.05		0.89		NR		<0.85		<0.85		<0.85		0.28		C		<0.85		<0.85		<0.85		<0.85
116503	EBU3 2-1	ug/kg	<0.73		0.51		<0.73		NR		<0.73		<0.73		<0.73		<0.73		<0.73		<0.73		1.53		<0.73		0.29
116504	EBU3 3-1	ug/kg	<0.95		0.63		0.36		NR		<0.95		<0.95		0.36		<0.95		<0.95		<0.95		1.07		<0.95		<0.95
116505	EBU3 4-1	ug/kg	<0.73		0.43		0.33		NR		<0.73		<0.73		0.35		<0.73		<0.73		<0.73		0.91		<0.73		<0.73
116506	EBU3 5-1	ug/kg	<0.85		0.49		0.32		NR		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		0.95		<0.85		<0.85

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**  
Results based on wet weights.

Lab ID	Field Description	Units	PCB 182	Q	PCB 183	Q	PCB 185	Q	PCB 187	PCB 189	PCB 191	PCB 194	PCB 195	Q	PCB 196	Q	PCB 199	PCB 201	Q	PCB 202	Q
116507	EBU4 1-1	ug/kg	0.814	C	1.13	C	0.29	C	NR	<0.56	<0.56	0.19	<0.56	C	<0.56		0.25	0.55	C	<0.56	
116508	EBU4 2-1	ug/kg	<0.71		1.3	C	0.55	C	NR	<0.71	<0.71	<0.71	0.26	C	<0.71		<0.71	1.12	C	<0.71	
116509	EBU4 3-1	ug/kg	<0.99		0.55	C	0.36	C	NR	<0.99	<0.99	<0.99	<0.99		<0.99		<0.99	0.67	C	<0.99	
116510	EBU4 4-1	ug/kg	<0.99		0.97	C	0.48	C	NR	<0.99	<0.99	<0.99	<0.99		<0.99		<0.99	0.83	C	<0.99	
116511	EBU4 5-1	ug/kg	<1.00		0.75	C	0.55	C	NR	<1.00	<1.00	<1.00	<1.00		<1.00		<1.00	0.88	C	<1.00	
116512	EBU5 1-1	ug/kg	<1.00		0.59	C	<1.00	C	NR	<1.00	<1.00	<1.00	<1.00		<1.00		<1.00	0.95	C	<1.00	
116513	EBU5 2-1	ug/kg	<1.00		0.82	C	0.47	C	NR	<1.00	<1.00	<1.00	<1.00		<1.00		<1.00	0.87	C	<1.00	
116514	EBU5 3-1	ug/kg	<0.93		0.59	C	0.39	C	NR	<0.93	<0.93	<0.93	<0.93		<0.93		<0.93	0.71	C	<0.93	
116515	EBU5 4-1	ug/kg	<0.97		0.44	C	0.38	C	NR	<0.97	<0.97	<0.97	<0.97		<0.97		<0.97	0.83	C	<0.97	
116516	EBU5 5-1	ug/kg	<1.00		0.52	C	0.62	C	NR	<0.99	<0.99	<0.99	<0.99		<0.99		<0.99	1.03	C	<0.99	
BL#01	METHOD BLANK 01 (116489-116503)	ug/kg	<1.00		<1.00	C	<1.00	C	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00		<1.00	<1.00	<1.00	<1.00	
BL#02	LCS 01 (116489-116503)	ug/kg	N/A		18.8		N/A		18.7	N/A	N/A	N/A	17.4		N/A		N/A	N/A	N/A	N/A	
BL#02	LCS 01 (116489-116503) Spk Amt				20				20				20								
BL#02	LCS 01 (116489-116503) % REC				94				93.5				87								
BL#02	LCSD 01 (116489-116503) Dupl				18.4				18.4				17.2								
BL#02	LCSD 01 (116489-116503) Spk Amt				20				20				20								
BL#02	LCSD 01 (116489-116503) % REC				92				92				86								
BL#02	LCSD 01 (116489-116503) RPD				2.2				1.6				1.2								
BL#03	METHOD BLANK 02 (116504-116516)	ug/kg	<1.00		<1.00	C	<1.00	C	<1.00	<1.00	<1.00	<1.00	<1.00		<1.00		<1.00	<1.00	<1.00	<1.00	
BL#04	LCS 02 (116504-116516)	ug/kg	N/A		20.9		N/A		20	N/A	N/A	N/A	17.5		N/A		N/A	N/A	N/A	N/A	
BL#04	LCS 02 (116504-116516) Spk Amt				20				20				20								
BL#04	LCS 02 (116504-116516) % REC				104.5				0				87.5								

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**

Results based on wet weights.

Lab ID	Field Description	Units	PCB 203	Q	PCB 205	PCB 206	PCB 207	PCB 208	Q	PCB 155	TMX
116489	CONTROL-1	ug/kg	<0.95		<0.95	<0.95	<0.95	<0.95		<0.95	51.9%
116490	CONTROL-2	ug/kg	<1.00		<1.00	<1.00	<1.00	<1.00		<1.00	72.9%
116491	CONTROL-3	ug/kg	<0.96		<0.96	<0.96	<0.96	<0.96		<0.96	76.9%
116492	EBU1 1-1	ug/kg	0.27	C	<0.86	0.47	<0.86	0.33	C	<0.86	58.8%
116493	EBU1 1-2	ug/kg	0.77	C	<0.99	0.91	<0.99	0.76	C	<0.99	81.6%
116494	EBU1 1-3	ug/kg	0.27	C	<0.62	0.51	<0.62	0.33	C	<0.62	80.2%
116495	EBU1 1-4	ug/kg	0.34	C	<0.59	0.612	<0.59	0.49	C	<0.59	75.2%
116496	EBU1 1-5	ug/kg	<0.92		<0.92	0.49	<0.92	0.4	C	<0.92	58.4%
116497	EBU2 1-1	ug/kg	<0.99		<0.99	0.54	<0.99	0.44	C	<0.99	66.1%
116497	EBU2 1-1MS	ug/kg			16.8						
116497	EBU2 1-1MS Spike Amt				26.5						68.7%
116497	EBU2 1-1MS % REC				61.5						
116497	EBU2 1-1MSD				18.5						
116497	EBU2 1-1MSD Spike Amt				33						
116497	EBU2 1-1MSD % REC				54.5						65.7%
116497	EBU2 1-1MSD RPD				12.1						
116498	EBU2 2-1	ug/kg	0.31	C	<0.93	0.65	<0.93	0.59	C	<0.93	71.0%
116499	EBU2 3-1	ug/kg	0.33	C	<0.94	<0.94	<0.94	0.63	C	<0.94	62.1%
116500	EBU2 4-1	ug/kg	0.42	C	<0.93	1.05	<0.93	0.72	C	<0.93	73.3%
116501	EBU2 5-1	ug/kg	0.9	C	<0.99	0.9	<0.99	0.58	C	<0.99	70.8%
116502	EBU3 1-1	ug/kg	0.5	C	<0.85	1.18	<0.85	0.97	C	<0.85	78.8%
116503	EBU3 2-1	ug/kg	0.57	C	<0.73	1.05	<0.73	0.87	C	<0.73	71.8%
116504	EBU3 3-1	ug/kg	0.55	C	0.95	1.46	<0.95	1.1	C	<0.95	73.1%
116505	EBU3 4-1	ug/kg	0.48	C	<0.73	1.21	<0.73	0.92	C	<0.73	68.5%
116506	EBU3 5-1	ug/kg	0.51	C	<0.85	1.26	<0.85	1	C	<0.85	55.2%

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**Eighteenmile Creek AOC - PCB Congener Tissue Report**

**Table 2**

Results based on wet weights.

Lab ID	Field Description	Units	PCB 203	Q	PCB 205	PCB 206	PCB 207	PCB 208	Q	PCB 155	TMX
116507	EBU4 1-1	ug/kg	0.32	C	<0.56	0.52	<0.56	0.47	C	<0.56	70.1%
116508	EBU4 2-1	ug/kg	0.53	C	<0.71	1.19	<0.71	0.68	C	<0.71	65.7%
116509	EBU4 3-1	ug/kg	0.37	C	<0.99	0.66	<0.99	0.55	C	<0.99	52.8%
116510	EBU4 4-1	ug/kg	0.36	C	<0.99	0.78	<0.99	0.65	C	<0.99	55.9%
116511	EBU4 5-1	ug/kg	0.45	C	<1.00	0.85	<1.00	0.64	C	<1.00	69.9%
116512	EBU5 1-1	ug/kg	0.42	C	<1.00	1.45	<1.00	1.06	C	<1.00	69.8%
116513	EBU5 2-1	ug/kg	0.38	C	<1.00	1.16	<1.00	0.98	C	<1.00	77.8%
116514	EBU5 3-1	ug/kg	0.45	C	<0.93	0.93	0.35	0.71	C	<0.93	66.3%
116515	EBU5 4-1	ug/kg	0.4	C	<0.97	1.24	<0.97	0.97	C	<0.97	74.7%
116516	EBU5 5-1	ug/kg	0.45	C	<0.99	1.33	<0.99	1.1	C	<0.99	78.7%
BL#01	METHOD BLANK 01 (116489-116503)	ug/kg	<1.00		<1.00	<1.00	<1.00	<1.00		<1.00	107%
BL#02	LCS 01 (116489-116503)	ug/kg	N/A		N/A	16.4	N/A	N/A		N/A	106%
BL#02	LCS 01 (116489-116503) Spk Amt					20					
BL#02	LCS 01 (116489-116503) % REC					82					98.2%
BL#02	LCSD 01 (116489-116503) Dupl					16.2					
BL#02	LCSD 01 (116489-116503) Spk Amt					20					
BL#02	LCSD 01 (116489-116503) % REC					81					
BL#02	LCSD 01 (116489-116503) RPD					1.2					
BL#03	METHOD BLANK 02 (116504-116516)	ug/kg	<1.00		<1.00	<1.00	<1.00	<1.00		<1.00	111%
BL#04	LCS 02 (116504-116516)	ug/kg	N/A		N/A	17.7	N/A	N/A		N/A	20
BL#04	LCS 02 (116504-116516) Spk Amt					20					5.55
BL#04	LCS 02 (116504-116516) % REC					88.5					

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Job Description: 18 Mile Creek-Bio Buffalo - Lotufo/Karn Job File Number: 116489

## ECB Quality Assurance Corrective Action Form

Analysis: PCB congeners Date: 12-January-04  
Analyst: Harrison Instrument: 92

Problem: **(1) Interference with congener 151 on 2nd column, values >40% between columns**  
**(2) No spike recovery for congener 187**

Sample Number(s) Affected: **(1) All except 116493-94, 116489-116501**  
**(2) 116504 BS**

Recommended Corrective Action:

Corrective Action Taken By Analyst: **(1) 1st column reported as estimated value**  
**(2) Peaks cannot be resolved due to interferences**

Comments:

Date Corrective Action Taken: 12-January-04  
Reviewed by: \_\_\_\_\_

**Eighteenmile Creek AOC - Metals Tissue Report**

**Table 3**

Results based on wet weights.

LAB ID	Field Description	Units	SB	AS	BE	CD	CR	CU	PB	NI	SE	AG	TL	ZN	AL	BA
116517	CONTROL-1	mg/kg	0.0466	1.39	0.028	0.0576	1.34	5.43	3	1.89	0.678	<0.025	<0.025	37	412	122
116518	CONTROL-2	mg/kg	<0.025	0.843	<0.025	0.0465	0.283	4.73	2.21	1.03	0.607	<0.025	<0.025	38.2	158	118
116519	CONTROL-3	mg/kg	<0.025	1.12	<0.025	0.0648	0.0711	4.61	1.33	1.18	0.647	<0.025	<0.025	36.1	236	31.1
116520	EBU1 1-1	mg/kg	0.029	1.09	0.0357	0.192	5.23	10.1	7.65	5.25	0.43	<0.025	0.191	80	279	26.9
116521	EBU1 1-2	mg/kg	0.0574	1.16	0.0336	0.112	6.89	10.4	8.91	4.27	0.552	<0.025	<0.025	58.9	265	73.6
116522	EBU1 1-3	mg/kg	<0.025	0.41	0.0564	0.247	5.85	13.2	1.48	7.52	0.392	<0.025	0.0259	96.2	342	13.9
116523	EBU1 1-4	mg/kg	<0.025	0.769	<0.025	0.0547	1.9	4.31	3.94	2.14	0.435	<0.025	0.0457	39.4	145	56.4
116524	EBU1 1-5	mg/kg	0.0281	1.04	0.0401	0.166	6.15	11	13.4	4.3	0.467	<0.025	0.0362	75.3	431	55.9
116525	EBU2 1-1	mg/kg	0.0349	1.24	0.048	0.297	11.2	19.4	15.2	10.2	0.493	<0.025	0.0362	127	433	30.6
116526	EBU2 2-1	mg/kg	0.0881	0.954	0.0277	0.155	4.13	9.1	10	3.87	0.452	0.0289	<0.025	73.7	284	64.9
116527	EBU2 3-1	mg/kg	0.0909	1.31	0.0537	0.313	8.07	19.1	20.8	6.92	0.485	<0.025	0.0339	96.4	462	63.6
116527	EBU2 3-1 MS	mg/kg	0.984	1.62	2.3	2.74	15.78	26.1	3.43	18.3	2.71	1.49	1.73	146	N/A	18.1
116527	EBU2 3-1 MS spk amt		12	6	3	3	12	12	6	12	3	3	3	50	N/A	30
116527	EBU2 3-1 MS % REC	mg/kg	7.44	5.23	75	80.96	64.3	57.97		94.9	74	49	56.5	99.2		
116527	EBU2 3-1 MD	mg/kg	<0.025	1.07	0.0572	0.336	12.3	19.6	8	10.5	4.22	<0.025	0.0471	134	507	16.5
116527	EBU2 3-1 MD RPD	mg/kg	114	25.7	9.37	11.7	59.38	3.61	215	56.18	14.7	0	28.4	32.3	9.29	128
116527	EBU2 3-1 PD AS	mg/kg	31.6	32.5	32.79	29.9	39.8	48.6	50.1	37.59	31.4	30.5	31.95	192		92.2
116527	EBU2 3-1 PD AS spk amt		32	32	32	32	32	32	32	32	32	32	32	100		32
116527	EBU2 3-1 PD AS % REC	mg/kg	98.3	97.3	102.2	92.4	97.8	92	91.6	95.8	96.5	95.1	99.7	95.8		90.4
116527	EBU2 3-1 PD AD	mg/kg	0.0813	1.29	0.0499	0.308	8.26	18.9	20.4	6.72	0.469	<0.25	0.0316	95.7	460	61.4
116527	EBU2 3-1 PD AD RPD	mg/kg	11.2	0.985	7.3	1.65	2.35	1.35	1.86	2.82	3.49	0	7.03	0.73	0.434	2.98
116528	EBU2 4-1	mg/kg	<0.025	0.756	<0.025	0.52	2.17	5.93	5.39	2.01	0.514	0.0371	<0.025	44.6	254	81.9
116529	EBU2 5-1	mg/kg	0.106	1.94	0.0802	0.461	13.3	24.3	30.4	19.6	0.476	0.0329	0.0557	170	676	48.4
116530	EBU3 1-1	mg/kg	0.0642	1.06	0.0423	0.32	15.9	26.6	29.5	15.1	0.0448	0.0283	0.0324	152	386	76
116531	EBU3 2-1	mg/kg	0.142	1.34	0.0535	0.31	15	23.4	26.2	22	0.413	0.0516	0.0446	168	369	61.3
116532	EBU3 3-1	mg/kg	0.0425	1.22	0.0487	0.282	13.7	21.3	22.8	20	0.376	0.047	0.0406	159	212	55.7
116533	EBU3 4-1	mg/kg	0.0486	1.52	0.0483	0.387	21.3	33.8	42.8	27.5	0.446	0.0433	0.054	214	442	70.6
116534	EBU3 5-1	mg/kg	0.026	1.09	0.0602	0.297	12.5	22.1	28.1	16.8	0.402	0.0309	0.0354	171	638	80.1

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 PD AS - Post Digest Analytical Spike  
 PD AD - Post Digest Analytical Duplicate  
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**Eighteenmile Creek AOC - Metals Tissue Report**

**Table 3**

Results based on wet weights.

LAB ID	Field Description	Units	SB	AS	BE	CD	CR	CU	PB	NI	SE	AG	TL	ZN	AL	BA
116535	EBU4 1-1	mg/kg	0.105	1.05	0.0588	0.186	15.2	19.5	40.6	6.2	0.38	0.0315	0.0514	74	460	55.8
116536	EBU4 2-1	mg/kg	0.0543	0.843	0.041	0.141	5.32	18.2	20.1	4.58	0.402	<0.025	<0.025	71	353	67.1
116537	EBU4 3-1	mg/kg	0.0568	1.69	0.109	0.321	29.6	26.2	30.8	10.6	0.421	0.039	0.0408	117	886	49.7
116538	EBU4 4-1	mg/kg	<0.025	0.916	<0.025	0.0612	5.38	6.49	6.83	2.17	0.466	<0.025	<0.025	96.6	510	88.2
116538	EBU4 4-1 MS	mg/kg	13.99	40.9	10.3	10.2	51.9	65.5	53.3	49.6	9.94	10	9.92	450	N/A	205
116538	EBU4 4-1 MS spk amt		39.4	19.68	9.84	9.84	39.35	39.35	19.68	39.35	9.84	9.84	9.84	49.2	N/A	98.4
116538	EBU4 4-1 MS % REC	mg/kg	35.5	203	104.8	103	118	150	236	120.5	96.3	101.7	100.7	717	118	118
116538	EBU4 4-1 MD	mg/kg	0.0613	0.93	0.0433	0.127	3.72	7.74	10.2	4.29	0.322	<0.025	0.027	284	1450	53.2
116538	EBU4 4-1 MD RPD	mg/kg	137	1.56	53.6	69.9	36.4	17.6	39.2	65.8	36.5	0	7.69	114	95.9	49.6
116538	EBU4 4-1 PD AS	mg/kg	42.98	42.7	43.4	40.4	47.3	47.6	48.5	43.2	41.1	41.3	42.5	187	130	130
116538	EBU4 4-1 PD AS spk amt		42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	50	N/A	42.8
116538	EBU4 4-1 PD AS % REC	mg/kg	100.4	97.7	101	94.3	97.8	94	97.2	95.7	94.9	96.4	99.2	181	N/A	98
116538	EBU4 4-1 PD AD	mg/kg	<0.025	0.854	0.0294	0.0552	5.51	6.56	6.63	2.19	0.474	<0.025	<0.025	220	1120	84.2
116538	EBU4 4-1 PD AD RPD	mg/kg	0	7.06	16.2	10.3	2.52	1.05	3.05	1.18	1.82	0	0	78	74.8	4.57
116539	EBU4 5-1	mg/kg	<0.025	0.833	0.0294	0.0675	2.47	8.02	8.7	2.77	0.444	0.059	<0.025	107	718	87.5
116540	EBU5 1-1	mg/kg	0.153	0.793	<0.025	0.0833	6.36	4.64	4.49	1.15	0.31	0.326	<0.025	39	99.6	73.1
116541	EBU5 2-1	mg/kg	0.0481	0.73	0.034	0.0997	2.92	6.08	7.97	3.37	0.253	<0.025	<0.025	51.3	246	41.7
116542	EBU5 3-1	mg/kg	0.0338	1.02	0.0827	0.197	16.4	11.2	16.3	5.59	0.207	0.0768	0.0639	143	1460	31.2
116543	EBU5 4-1	mg/kg	0.0406	1.03	0.0314	0.23	15.9	8.63	22.7	2.51	0.357	<0.025	<0.025	136	609	69.4
116544	EBU5 5-1	mg/kg	<0.025	0.844	0.0274	0.0725	13.8	6.05	6.34	2.08	0.38	<0.025	<0.025	96	744	99.4
BL#01	METHOD BLANK 01(517-531)	mg/kg	<0.025	<0.025	<0.025	<0.025	1.04	0.281	<0.025	0.478	<0.025	<0.025	<0.025	2.16	<2.00	0.152
BL#02	LCS 01	mg/kg	20.6	10	4.92	4.85	20.5	21.6	12.1	20.9	4.61	4.77	5.26	46.1	N/A	51.1
	LCS 01 spk amt	mg/kg	20	10	5	5	20	20	10	20	5	5	5	50	50	50
	LCS 01 % REC	mg/kg	103	100	98.4	97	102.5	108	121	104.5	92.2	95.4	105.2	92.2	102.2	102.2
BL#03	EXTERNAL QC 01	mg/kg	2.81	10.9	<0.025	0.138	2.99	13.2	49.2	1.86	0.0914	0.0629	0.209	30.7	101	41.9
BL#04	METHOD BLANK 02 (532-544)	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	0.122	<0.025	0.0453	<0.025	<0.025	<0.025	1.26	<2.00	0.0735
BL#05	LCS 02	mg/kg	21.3	9.99	4.9	4.89	21	21.7	10.9	20.2	4.46	4.96	5.31	45.3	N/A	50.8
	LCS 02 spk amt	mg/kg	20	10	5	5	20	20	10	20	5	5	5	50	50	50
	LCS 02 %REC	mg/kg	106.5	99.9	98	97.8	105	108.5	109	101	89.2	99.2	106.2	90.6	101.6	101.6
BL#06	EXTERNAL QC 02	mg/kg	2.9	10.8	<0.025	0.134	1.57	12.7	46.6	1.42	0.0423	0.0862	0.0991	28.9	86.5	42.5

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**Eighteenmile Creek AOC - Metals Tissue Report**

**Table 3**

Results based on wet weights.

LAB ID	Field Description	Units	CA	CO	FE	MG	MN	K	NA	V
116517	CONTROL-1	mg/kg	1260	0.665	1330	692	33.8	1200	772	1.45
116518	CONTROL-2	mg/kg	365	0.449	764	314	15.5	1330	758	0.568
116519	CONTROL-3	mg/kg	738	0.562	485	537	32.5	1340	691	1.09
116520	EBU1 1-1	mg/kg	1360	1.04	1270	330	35.3	791	495	1.61
116521	EBU1 1-2	mg/kg	1300	0.77	1190	331	27.4	1290	866	0.992
116522	EBU1 1-3	mg/kg	4100	1.61	397	464	97.6	628	424	2.11
116523	EBU1 1-4	mg/kg	723	0.39	676	200	13.2	1110	728	0.518
116524	EBU1 1-5	mg/kg	1420	0.931	1580	362	34.1	986	629	1.73
116525	EBU2 1-1	mg/kg	1070	1.47	1770	362	24.4	917	582	1.82
116526	EBU2 2-1	mg/kg	584	0.709	1100	258	14.9	1070	702	1.06
116527	EBU2 3-1	mg/kg	1110	1.08	1840	377	26.5	986	616	1.91
116527	EBU2 3-1 MS	mg/kg	N/A	11.5	N/A	N/A	41.4	N/A	N/A	7.68
116527	EBU2 3-1 MS spk amt	mg/kg	N/A	12	N/A	N/A	12	N/A	N/A	12
116527	EBU2 3-1 MS % REC	mg/kg	87				124			48.1
116527	EBU2 3-1 MD	mg/kg	1330	1.41	1610	473	32.9	786	494	2.38
116527	EBU2 3-1 MD RPD	mg/kg	21.4	37.2	20.6	28.4	27.5	21	19.9	32.6
116527	EBU2 3-1 PD AS	mg/kg	2650	32.3	3090	1700	56.5	2290	1940	33.4
116527	EBU2 3-1 PD AS spk amt	mg/kg	1310	32	1310	1310	32	1310	1310	32
116527	EBU2 3-1 PD AS % REC	mg/kg	117.6	97.4	94.6	100.5	93.8	99	100.9	98.4
116527	EBU2 3-1 PD AD	mg/kg	1110	1.05	1800	375	25.7	986	621	1.88
116527	EBU2 3-1 PD AD RPD	mg/kg	0	2.41	2.46	0.511	2.94	0	0.725	1.69
116528	EBU2 4-1	mg/kg	323	0.434	720	245	10.4	1330	976	0.552
116529	EBU2 5-1	mg/kg	2310	2.31	3210	537	45.8	719	431	3.25
116530	EBU3 1-1	mg/kg	861	1.42	1690	343	33	1120	591	1.99
116531	EBU3 2-1	mg/kg	1340	1.75	1920	404	44.1	948	573	2.43
116532	EBU3 3-1	mg/kg	1220	1.59	1750	368	40.1	863	521	2.21
116533	EBU3 4-1	mg/kg	1200	2.4	2280	452	45.8	1050	615	2.85
116534	EBU3 5-1	mg/kg	1200	1.62	1930	447	37.2	1170	643	2.12

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**Eighteenmile Creek AOC - Metals Tissue Report**

**Table 3**

Results based on wet weights.

LAB ID	Field Description	Units	CA	CO	FE	MG	MN	K	NA	V
116535	EBU4 1-1	mg/kg	2510	2.48	2510	379	45.8	849	500	2.48
116536	EBU4 2-1	mg/kg	1690	0.886	1770	342	31.1	1030	679	1.74
116537	EBU4 3-1	mg/kg	3600	1.86	4220	629	89.8	767	435	4.66
116538	EBU4 4-1	mg/kg	554	0.54	1070	283	17.6	1350	899	0.787
116538	EBU4 4-1 MS	mg/kg	N/A	72.7	N/A	N/A	125	N/A	N/A	45.1
116538	EBU4 4-1 MS spk amt	M	39.4	N/A	N/A	N/A	39.35	N/A	N/A	39.35
116538	EBU4 4-1 MS % REC	mg/kg	107				272			113
116538	EBU4 4-1 MD	mg/kg	1110	0.734	1940	319	40.5	859	532	2.13
116538	EBU4 4-1 MD RPD	mg/kg	67.1	30.5	57.7	12	78.5	44.6	51.4	92
116538	EBU4 4-1 PD AS	mg/kg	2740	42.8	2830	2110	59.7	3240	2740	42.7
116538	EBU4 4-1 PD AS spk amt	mg/kg	1760	42.8	1760	1760	42.8	1760	1760	42.8
116538	EBU4 4-1 PD AS % REC	mg/kg	124	97.7	100	104	98.2	107.6	105	98
116538	EBU4 4-1 PD AD	mg/kg	577	0.552	1100	287	17.8	1410	908	0.789
116538	EBU4 4-1 PD AD RPD	mg/kg	4.09	2.19	3.15	1.5	0.966	4.33	0.948	0.326
116539	EBU4 5-1	mg/kg	601	0.695	1230	304	28.6	1290	835	0.994
116540	EBU5 1-1	mg/kg	328	0.3	651	212	15.6	1190	656	0.714
116541	EBU5 2-1	mg/kg	874	0.576	1520	250	31.7	674	417	1.67
116542	EBU5 3-1	mg/kg	2280	1	2190	536	61.3	618	293	2.82
116543	EBU5 4-1	mg/kg	2770	0.574	1210	341	34.8	1100	596	1.36
116544	EBU5 5-1	mg/kg	536	0.626	1240	371	30.1	1370	771	1.1
BL#01	METHOD BLANK 01(517-531)	mg/kg	<20.0	0.148	12.3	<10.0	0.241	<20.0	<20.0	<0.025
BL#02	LCS 01	mg/kg	N/A	20.9	N/A	N/A	22.1	N/A	N/A	20.5
	LCS 01 spk amt	mg/kg		20			20			20
	LCS 01 % REC	mg/kg		104.5			110.5			102.5
BL#03	EXTERNAL QC 01	mg/kg		0.148	381	6000	89.1	14400	69.2	0.399
BL#04	METHOD BLANK 02 (532-544)	mg/kg	20000	<0.025	29.4	<10.0	0.108	<20.0	<20.0	<0.025
BL#05	LCS 02	mg/kg	N/A	21	N/A	N/A	21.3	N/A	N/A	21.1
	LCS 02 spk amt	mg/kg		20			20			20
	LCS 02 %REC	mg/kg		105			106.5			105.5
BL#06	EXTERNAL QC 02	mg/kg	20600	0.134	238	6120	87.5	14900	61.8	0.51

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**Eighteenmile Creek AOC - Mercury Tissue Summary Report  
Table 4**

**Results based on wet weights.**

<b>Lab ID</b>	<b>Field Description</b>	<b>Units</b>	<b>HG</b>
116545	CONTROL-1	mg/kg	0.0313
116546	CONTROL-2	mg/kg	0.0378
116547	CONTROL-3	mg/kg	0.187
116548	EBU1 1-1	mg/kg	0.0853
116548	EBU1 1-1 MS	mg/kg	0.17112
116548	EBU1 1-1 MS spk amt	mg/kg	0.0743
116548	EBU1 1-1 MS % REC		115.5
116548	EBU1 1-1 MD	mg/kg	0.0848
116548	EBU1 1-1 MD RPD		0.6
116549	EBU1 1-2	mg/kg	11.5
116550	EBU1 1-3	mg/kg	0.112
116551	EBU1 1-4	mg/kg	0.0833
116552	EBU1 1-5	mg/kg	0.0718
116553	EBU2 1-1	mg/kg	0.116
116554	EBU2 2-1	mg/kg	0.0929
116555	EBU2 3-1	mg/kg	0.195
116556	EBU2 4-1	mg/kg	0.0436
116557	EBU2 5-1	mg/kg	0.113
116558	EBU3 1-1	mg/kg	0.148
116559	EBU3 2-1	mg/kg	0.116
116560	EBU3 3-1	mg/kg	0.227
116561	EBU3 4-1	mg/kg	0.198
116562	EBU3 5-1	mg/kg	0.169
116563	EBU4 1-1	mg/kg	0.105
116564	EBU4 2-1	mg/kg	0.0607
116565	EBU4 3-1	mg/kg	0.128
116566	EBU4 4-1	mg/kg	0.0241
116567	EBU4 5-1	mg/kg	0.0409
116568	EBU5 1-1	mg/kg	0.0304
116569	EBU5 2-1	mg/kg	0.0434
116570	EBU5 3-1	mg/kg	0.0269
116571	EBU5 4-1	mg/kg	0.029
116572	EBU5 5-1	mg/kg	0.0148
BL#01	METHOD BLANK 01	mg/kg	<0.0040
BL#02	LCS 01	mg/kg	0.0414
	LCS 01 spk amt	mg/kg	0.04
	LCS 01 % REC		103.5
BL#03	EXTERNAL QC 01	mg/kg	0.0508
	EXTERNAL QC 01 spk amt	mg/kg	0.471
	EXTERNAL QC 01 % REC		107.9
BL#04	METHOD BLANK 02	mg/kg	<0.0040
BL#05	LCS 02	mg/kg	0.0423
	LCS 01 spk amt	mg/kg	0.04
	LCS 01 % REC		105.8
BL#06	EXTERNAL QC 02	mg/kg	0.543
	EXTERNAL QC 02 spk amt	mg/kg	0.471
	EXTERNAL QC 02 % REC		115.3

**Notes:**

 = BRL

BRL = Below Reporting Limit

**APPENDIX F**

**EIGHTEENMILE CREEK AOC**

**BIOACCUMULATION SUMMARY**

**TOXICOLOGY RESULTS**

## Eighteenmile Creek AOC - Average Biomass of *L. variegatus* (g wet weight)

**Table 1**

<b>Treatment Sample ID</b>	<b>Average grams wet weight</b>	<b>Standard Deviation</b>
Control	3.34	0.260
EBU-1	5.79	2.076
EBU-2	5.86	1.055
EBU-3	5.61	2.274
EBU-4	4.86	2.246
EBU-5	3.16	0.050

The averages for test tissues were obtained from five replicates and the average for the control tissue was obtained from three replicates.

## Eighteenmile Creek AOC - *L. variegatus* Lipid Summaries

**Table 2**

<b>Sample ID</b>	<b>Average % Lipids</b>	<b>Standard Deviation</b>
Initial	0.71	0.29
Control	0.78	0.19
EBU-1	1.27	0.62
EBU-2	1.69	0.65
EBU-3	1.15	0.87
EBU-4	0.96	0.22
EBU-5	0.96	0.32

Averages calculated using five replicates except for Initial and Control which were based upon 3 replicates.

## Pre-Exposure Dry-to-Wet Weight Ratio in *L. variegatus*

**Table 3**

<b>Average (g/g)</b>	<b>Standard Deviation</b>
0.164	0.034

Averages calculated using five replicates.

**Eighteenmile Creek AOC - Average Concentration (ug/Kg) of Pesticides Detected in *L. variegatus***

**Table 4**

<b>Pesticides</b>	<b>Control</b>	<b>EBU-1</b>	<b>EBU-2</b>	<b>EBU-3</b>	<b>EBU-4</b>	<b>EBU-5</b>
ALDRIN	1.01	0.64	0.73	0.74	0.66	0.79
A-BHC	1.94	0.64	0.73	2.37	0.66	0.79
B-BHC	0.75	0.64	0.73	0.89	0.66	0.79
G-BHC	0.75	0.64	0.73	0.74	0.66	0.79
D-BHC	0.75	0.64	0.73	0.74	0.66	0.79
PPDDD	1.50	2.01	1.46	1.49	1.32	1.58
PPDDE	1.50	19.33	10.45	13.36	12.37	11.26
PPDDT	1.50	1.70	2.18	1.49	1.32	2.40
Heptachlor	0.75	0.77	0.83	0.74	1.11	0.89
Dieldrin	1.50	1.31	1.46	1.49	1.32	1.58
A-Endosulfan	0.75	0.64	0.73	0.74	0.66	0.79
B-Endosulfan	1.76	1.31	1.46	1.49	1.32	1.58
Endosulfan sulfate	7.83	1.31	1.46	5.58	3.52	1.58
Endrin	1.50	1.31	1.46	1.63	1.32	1.58
Endrin Aldehyde	3.94	1.31	1.46	1.49	1.32	1.58
Heptachlor Epoxide	0.75	0.64	0.73	0.74	0.66	0.79
Methoxychlor	7.50	6.36	7.31	7.43	6.62	7.91
Chlordane	7.50	6.36	7.31	7.43	6.62	7.91
Toxaphene	15.00	12.73	14.63	14.86	13.23	15.80
Alpha Chlordane	0.75	0.64	0.73	0.74	0.66	0.79
Gamma Chlordane	0.75	1.88	1.65	3.92	8.03	0.79

**Eighteenmile Creek AOC - Average Concentration (ug/Kg) of PCB Congeners Detected in *L. variegatus***

**Table 5**

<b>PCB Congeners</b>	<b>Control</b>	<b>EBU-1</b>	<b>EBU-2</b>	<b>EBU-3</b>	<b>EBU-4</b>	<b>EBU-5</b>
PCB 15	0.32					
PCB 18	0.32	5.38	7.74	13.04	7.69	3.36
PCB 31	0.32	10.71	11.12	16.64	13.56	5.95
PCB 40	0.32	2.36	3.08	4.17	2.95	1.30
PCB 44	0.32	11.64	12.77	19.02	14.10	6.85
PCB 49	0.41	16.38	17.44	21.14	20.02	9.90
PCB 52	0.99	19.16	20.40	24.44	23.96	13.48
PCB 54	0.65	0.53	0.64	0.55	0.57	0.65
PCB 60	0.65	1.57	1.12	1.17	1.74	1.02
PCB 77	0.32	0.90	1.28	1.39	0.85	0.67
PCB 86						
PCB 87	0.32	6.81	4.85	6.15	7.85	4.92
PCB 97	0.32	4.98	4.30	6.06	6.04	3.79
PCB 101	0.32	13.22	10.57	16.28	17.16	10.04
PCB 103	0.32	0.27	0.32	0.27	0.28	0.33
PCB 105	0.32	3.97	2.98	3.85	4.74	3.32
PCB 114	0.32	0.27	0.32	0.37	0.28	0.33
PCB 118	0.32	7.10	5.43	9.90	9.03	4.04
PCB 121	0.32	0.27	0.32	0.27	0.28	0.33
PCB 128	0.32	1.19	0.93	1.40	1.39	1.05
PCB 129	0.65	0.53	0.64	0.55	0.60	0.65
PCB 138	0.32	8.70	8.27	9.54	9.89	8.73
PCB 141	0.32	0.37				
PCB 143	0.32	0.27	0.32	0.27	0.28	0.33
PCB 151	0.32	2.08	2.00	3.19	2.55	2.06
PCB 153	0.32					
PCB 154	0.32	0.27	0.32	0.27	0.28	0.33
PCB 155	0.32	0.27	0.32	0.27	0.28	0.33
PCB 156	0.32					
PCB 159	0.32					
PCB 167	0.32	0.27	0.32	0.27	0.61	0.34
PCB 171	0.32					
PCB 173	0.32	0.27	0.32	0.27	0.28	0.33
PCB 180	0.32	1.34	1.64	1.27	1.79	1.17
PCB 182	0.32	0.27	0.33	0.27	0.41	0.33
PCB 183	0.32	0.48	0.62	0.62	0.94	0.59
PCB 185		0.41	0.37	0.43	0.45	0.44
PCB 187	0.61					
PCB 189	0.32	0.27	0.32	0.27	0.28	0.33
PCB 191	0.32	0.27	0.32	0.27	0.28	0.33
PCB 194	0.32	0.27	0.48	0.30	0.28	0.33
PCB 195	0.32	0.27	0.55	0.27	0.29	0.33
PCB 196	0.32	0.27	0.42	0.27	0.28	0.33
PCB 199	0.32	0.27	0.32	0.27	0.30	0.33
PCB 201	0.32	0.61	0.71	0.95	0.81	0.88
PCB 202	0.32	0.27	0.32	0.28	0.28	0.33
PCB 203	0.32	0.39	0.46	0.52	0.41	0.42
PCB 205	0.32	0.27	0.32	0.40	0.28	0.33
PCB 206	0.32	0.60	0.69	1.23	0.80	1.22
PCB 207	0.32	0.27	0.32	0.24	0.28	0.33
PCB 208	0.32	0.46	0.59	0.97	0.60	0.96
Sum PCB	17.52	126.67	126.89	169.63	156.07	93.35

**Eighteenmile Creek AOC - Average Concentration (mg/Kg) of Metals Detected in *L. variegatus***

**Table 6**

<b>Metals</b>	<b>Control</b>	<b>EBU-1</b>	<b>EBU-2</b>	<b>EBU-3</b>	<b>EBU-4</b>	<b>EBU-5</b>
SB	0.021	0.026	0.066	0.065	0.047	0.057
AS	1.118	0.894	1.240	1.246	1.066	0.883
BE	0.015	0.035	0.044	0.051	0.049	0.037
CD	0.056	0.154	0.349	0.319	0.155	0.137
CR	0.6	5.2	7.8	15.7	11.6	11.1
CU	4.9	9.8	15.6	25.4	15.7	7.3
PB	2.2	7.1	16.4	29.9	21.4	11.6
NI	1.4	4.7	8.5	20.3	5.3	2.9
SE	0.64	0.46	0.48	0.34	0.42	0.30
AG	0.008	0.008	0.023	0.040	0.029	0.086
TL	0.008	0.056	0.028	0.041	0.023	0.019
ZN	37.1	70.0	102.3	172.8	93.1	93.1
AL	268.7	292	422	409	585	632
BA	90.4	45.3	57.9	68.7	69.7	63.0
CA	788	1781	1079	1164	1791	1358
CO	0.56	0.95	1.20	1.76	1.29	0.62
FE	860	1023	1728	1914	2160	1362
MG	514	337	356	403	387	342
MN	27.3	41.5	24.4	40.0	42.6	34.7
K	1290	961	1004	1030	1057	990
NA	740	628	661	589	670	547
V	1.04	1.39	1.72	2.32	2.13	1.53
HG	0.09	2.37	0.11	0.17	0.07	0.03

**APPENDIX G**

**EIGHTEENMILE CREEK AOC**

**BIOACCUMULATION REPORTS**

**TOXICOLOGY RESULTS**

**Eighteenmile Creek AOC - *L. variegatus* Final Biomass (g wet weight)**

**Table 1**

<b>Treatment</b>	<b>Replicate</b>	<b>Wet wt. (g)</b>	<b>Average</b>	<b>Standard deviation</b>
<b>Control</b>	1	3.55	3.34	0.26
	2	3.42		
	3	3.05		
<b>EBU-1</b>	1	8.67	5.79	2.08
	2	3.30		
	3	4.43		
	4	6.75		
	5	5.82		
<b>EBU-2</b>	1	5.83	5.86	1.06
	2	5.13		
	3	7.43		
	4	6.20		
	5	4.71		
<b>EBU-3</b>	1	4.83	5.61	2.27
	2	6.65		
	3	3.69		
	4	9.07		
	5	3.79		
<b>EBU-4</b>	1	6.07	4.86	2.25
	2	8.25		
	3	3.60		
	4	3.27		
	5	3.10		
<b>EBU-5</b>	1	3.08	3.16	0.05
	2	3.14		
	3	3.20		
	4	3.19		
	5	3.18		

**Eighteenmile Creek AOC - Lipids in *L. variegatus***

**Table 2**

	<b>Replicate</b>	<b>Sample Mass (mg)</b>	<b>% Lipids</b>	<b>Average</b>	<b>Standard deviation</b>
<b>Initial</b>	1	97	1.02	0.71	0.29
	2	86	0.45		
	3	111	0.65		
<b>Control</b>	1	79	0.56	0.78	0.19
	2	85	0.83		
	3	81	0.93		
<b>EBU-1</b>	1	73	1.50	1.27	0.62
	2	100	0.82		
	3	61	2.23		
	4	101	0.74		
	5	78	1.04		
<b>EBU-2</b>	1	83	1.93	1.69	0.65
	2	98	1.68		
	3	90	1.22		
	4	125	0.98		
	5	84	2.65		
<b>EBU-3</b>	1	86	2.45	1.15	0.87
	2	94	1.65		
	3	125	0.43		
	4	94	0.64		
	5	85	0.58		
<b>EBU-4</b>	1	91	0.88	0.96	0.22
	2	93	1.01		
	3	90	1.30		
	4	92	0.71		
	5	92	0.87		
<b>EBU-5</b>	1	84	1.13	0.96	0.32
	2	52	1.44		
	3	111	0.67		
	4	82	0.75		
	5	61	0.80		

**Eighteenmile Creek AOC - Dry/Wet Ratio for *L. variegatus***


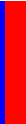
**Table 3**

<b>Replicate</b>	<b>Dry-to-wet weight ratio</b>	<b>Average</b>	<b>Standard deviation</b>
1	0.192	0.164	0.034
2	0.183		
3	0.120		
4	0.190		
5	0.133		

**Eighteenmile Creek AOC - Pesticides in *L. variegatus***

**TABLE 4**

SEDIMENT	REP	ALDRIN	A-BHC	B-BHC	G-BHC	D-BHC	PPDDD	PPDDE	PPDDT	Heptachlor	Dieldrin	A-Endosulfan	B-Endosulfan	Endosulfan sulfate
CONTROL	1	0.72	0.72	0.72	0.72	0.72	1.45	1.45	1.45	0.72	1.45	0.72	2.23	1.45
CONTROL	2	1.49	0.70	0.70	0.70	0.70	1.39	1.39	1.39	0.70	1.39	0.70	1.39	7.35
CONTROL	3	0.83	4.41	0.83	0.83	0.83	1.66	1.66	1.66	0.83	1.66	0.83	1.66	14.70
AVG		1.01	1.94	0.75	0.75	0.75	1.50	1.50	1.50	0.75	1.50	0.75	1.76	7.83
STD		0.42	2.14	0.07	0.07	0.07	0.14	0.14	0.14	0.07	0.14	0.07	0.43	6.64
CV		0.41	1.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.24	0.85
EBU-1	1	0.64	0.64	0.64	0.64	0.64	1.28	6.87	3.21	1.29	1.28	0.64	1.28	1.28
EBU-1	2	0.77	0.77	0.77	0.77	0.77	5.23	56.60	1.74	0.77	1.74	0.77	1.74	1.74
EBU-1	3	0.60	0.60	0.60	0.60	0.60	1.21	8.90	1.21	0.60	1.21	0.60	1.21	1.21
EBU-1	4	0.49	0.49	0.49	0.49	0.49	14.50	14.50	0.98	0.49	0.98	0.49	0.98	0.98
EBU-1	5	0.68	0.68	0.68	0.68	0.68	9.76	9.76	1.36	0.68	1.36	0.68	1.36	1.36
AVG		0.64	0.64	0.64	0.64	0.64	2.01	19.33	1.70	0.77	1.31	0.64	1.31	1.31
STD		0.10	0.10	0.10	0.10	0.10	1.80	21.02	0.89	0.31	0.28	0.10	0.28	0.28
CV		0.16	0.16	0.16	0.16	0.16	0.90	1.09	0.52	0.40	0.21	0.16	0.21	0.21
EBU-2	1	0.80	0.80	0.80	0.80	0.80	1.60	16.60	2.61	0.80	1.60	0.80	1.60	1.60
EBU-2	2	0.79	0.79	0.79	0.79	0.79	8.45	8.45	3.02	0.79	1.58	0.79	1.58	1.58
EBU-2	3	0.54	0.54	0.54	0.54	0.54	1.09	9.35	1.09	0.84	1.09	0.54	1.09	1.09
EBU-2	4	0.78	0.78	0.78	0.78	0.78	10.80	10.80	1.56	0.99	1.56	0.78	1.56	1.56
EBU-2	5	0.75	0.75	0.75	0.75	0.75	7.03	7.03	2.61	0.75	1.49	0.75	1.49	1.49
AVG		0.73	0.73	0.73	0.73	0.73	1.46	10.45	2.18	0.83	1.46	0.73	1.46	1.46
STD		0.11	0.11	0.11	0.11	0.11	0.21	3.70	0.82	0.09	0.21	0.11	0.21	0.21
CV		0.15	0.15	0.15	0.15	0.15	0.15	0.35	0.37	0.11	0.15	0.15	0.15	0.15

 =BRL  
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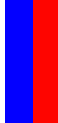
BRL values (<) were divided by three

Results based upon wet weights - ug/kg

**Eighteenmile Creek AOC - Pesticides in *L. variegatus***

**TABLE 4**

SEDIMENT	REP	ALDRIN	A-BHC	B-BHC	G-BHC	D-BHC	PPDD	PPDE	PPDDT	Heptachlor	Dieldrin	A-Endosulfan	B-Endosulfan	Endosulfan sulfate
EBU-3	1	0.82	0.82	1.55	0.82	0.82	1.64	12.30	1.64	0.82	1.64	0.82	1.64	1.64
EBU-3	2	0.82	1.42	0.82	0.82	0.82	1.64	13.20	1.64	0.82	1.64	0.82	1.64	1.64
EBU-3	3	0.72	5.34	0.72	0.72	0.72	1.43	13.80	1.43	0.72	1.43	0.72	1.43	1.43
EBU-3	4	0.74	2.09	0.74	0.74	0.74	1.47	15.20	1.47	0.74	1.47	0.74	1.47	10.50
EBU-3	5	0.62	2.17	0.62	0.62	0.62	1.24	12.30	1.24	0.62	1.24	0.62	1.24	12.70
AVG		0.74	2.37	0.89	0.74	0.74	1.49	13.36	1.49	0.74	1.49	0.74	1.49	5.58
STD		0.08	1.75	0.38	0.08	0.08	0.17	1.21	0.17	0.08	0.17	0.08	0.17	5.55
CV		0.11	0.74	0.42	0.11	0.11	0.11	0.09	0.11	0.11	0.11	0.11	0.11	0.99
EBU-4	1	0.62	0.62	0.62	0.62	0.62	1.24	10.20	1.24	1.54	1.24	0.62	1.24	1.24
EBU-4	2	0.59	0.59	0.59	0.59	0.59	1.17	9.34	1.17	0.94	1.17	0.59	1.17	10.30
EBU-4	3	0.61	0.61	0.61	0.61	0.61	1.21	10.60	1.21	0.61	1.21	0.61	1.21	1.21
EBU-4	4	0.71	0.71	0.71	0.71	0.71	1.42	15.10	1.42	1.36	1.42	0.71	1.42	3.27
EBU-4	5	0.79	0.79	0.79	0.79	0.79	1.57	16.60	1.57	1.12	1.57	0.79	1.57	1.57
AVG		0.66	0.66	0.66	0.66	0.66	1.32	12.37	1.32	1.11	1.32	0.66	1.32	3.52
STD		0.08	0.08	0.08	0.08	0.08	0.17	3.25	0.17	0.36	0.17	0.08	0.17	3.88
CV		0.13	0.13	0.13	0.13	0.13	0.13	0.26	0.13	0.33	0.13	0.13	0.13	1.10
EBU-5	1	0.83	0.83	0.83	0.83	0.83	1.67	5.44	3.53	0.83	1.67	0.83	1.67	1.67
EBU-5	2	0.79	0.79	0.79	0.79	0.79	1.58	7.82	3.83	0.79	1.58	0.79	1.58	1.58
EBU-5	3	0.74	0.74	0.74	0.74	0.74	1.49	9.54	1.49	1.22	1.49	0.74	1.49	1.49
EBU-5	4	0.81	0.81	0.81	0.81	0.81	1.61	4.42	1.61	0.81	1.61	0.81	1.61	1.61
EBU-5	5	0.78	0.78	0.78	0.78	0.78	1.56	29.10	1.56	0.78	1.56	0.78	1.56	1.56
AVG		0.79	0.79	0.79	0.79	0.79	1.58	11.26	2.40	0.89	1.58	0.79	1.58	1.58
STD		0.03	0.03	0.03	0.03	0.03	0.07	10.17	1.17	0.19	0.07	0.03	0.07	0.07
CV		0.04	0.04	0.04	0.04	0.04	0.04	0.90	0.49	0.21	0.04	0.04	0.04	0.04

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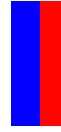
BRL values (<) were divided by three

Results based upon wet weights - ug/kg

**Eighteenmile Creek AOC - Pesticides in *L. variegatus***

**TABLE 4**

<b>SEDIMENT</b>	<b>REP</b>	<b>Endrin</b>	<b>Endrin Aldehyde</b>	<b>Heptachlor Epoxide</b>	<b>Methoxychlor</b>	<b>Chlordane</b>	<b>Toxaphene</b>	<b>Alpha Chlordane</b>	<b>Gamma Chlordane</b>
CONTROL	1	1.45	8.78	0.72	7.23	7.23	14.47	0.72	0.72
CONTROL	2	1.39	1.39	0.70	6.97	6.97	13.93	0.70	0.70
CONTROL	3	1.66	1.66	0.83	8.30	8.30	16.60	0.83	0.83
AVG		1.50	3.94	0.75	7.50	7.50	15.00	0.75	0.75
STD		0.14	4.19	0.07	0.71	0.71	1.41	0.07	0.07
CV		0.09	1.06	0.09	0.09	0.09	0.09	0.09	0.09
EBU-1	1	1.28	1.28	0.64	6.40	6.40	12.80	0.64	0.64
EBU-1	2	1.74	1.74	0.77	7.67	7.67	15.33	0.77	0.77
EBU-1	3	1.21	1.21	0.60	6.03	6.03	12.10	0.60	0.60
EBU-1	4	0.98	0.98	0.49	4.90	4.90	9.80	0.49	0.49
EBU-1	5	1.36	1.36	0.68	6.80	6.80	13.60	0.68	0.68
AVG		1.31	1.31	0.64	6.36	6.36	12.73	0.64	0.64
STD		0.28	0.28	0.10	1.02	1.02	2.03	0.10	0.10
CV		0.21	0.21	0.16	0.16	0.16	0.16	0.16	0.16
EBU-2	1	1.60	1.60	0.80	8.00	8.00	16.00	0.80	0.80
EBU-2	2	1.58	1.58	0.79	7.87	7.87	15.77	0.79	0.79
EBU-2	3	1.09	1.09	0.54	5.43	5.43	10.87	0.54	0.54
EBU-2	4	1.56	1.56	0.78	7.80	7.80	15.57	0.78	0.78
EBU-2	5	1.49	1.49	0.75	7.47	7.47	14.93	0.75	0.75
AVG		1.46	1.46	0.73	7.31	7.31	14.63	0.73	0.73
STD		0.21	0.21	0.11	1.07	1.07	2.14	0.11	0.11
CV		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15


  
 =BRL
   
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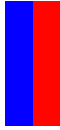
BRL values (<) were divided by three

Results based upon wet weights - ug/kg

**Eighteenmile Creek AOC - Pesticides in *L. variegatus***

**TABLE 4**

SEDIMENT	REP	Endrin	Endrin Aldehyde	Heptachlor Epoxide	Methoxychlor	Chlordane	Toxaphene	Alpha Chlordane	Gamma Chlordane
EBU-3	1	1.64	1.64	0.82	8.20	8.20	16.37	0.82	8.55
EBU-3	2	1.64	1.64	0.82	8.20	8.20	16.43	0.82	8.96
EBU-3	3	1.43	1.43	0.72	7.17	7.17	14.33	0.72	0.72
EBU-3	4	1.47	1.47	0.74	7.37	7.37	14.73	0.74	0.74
EBU-3	5	1.95	1.24	0.62	6.23	6.23	12.43	0.62	0.62
AVG		1.63	1.49	0.74	7.43	7.43	14.86	0.74	3.92
STD		0.20	0.17	0.08	0.82	0.82	1.65	0.08	4.42
CV		0.13	0.11	0.11	0.11	0.11	0.11	0.11	1.13
EBU-4	1	1.24	1.24	0.62	6.20	6.20	12.40	0.62	6.35
EBU-4	2	1.17	1.17	0.59	5.87	5.87	11.73	0.59	5.61
EBU-4	3	1.21	1.21	0.61	6.07	6.07	12.10	0.61	7.83
EBU-4	4	1.42	1.42	0.71	7.10	7.10	14.20	0.71	10.40
EBU-4	5	1.57	1.57	0.79	7.87	7.87	15.70	0.79	9.96
AVG		1.32	1.32	0.66	6.62	6.62	13.23	0.66	8.03
STD		0.17	0.17	0.08	0.84	0.84	1.68	0.08	2.12
CV		0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.26
EBU-5	1	1.67	1.67	0.83	8.33	8.33	16.67	0.83	0.83
EBU-5	2	1.58	1.58	0.79	7.90	7.90	15.77	0.79	0.79
EBU-5	3	1.49	1.49	0.74	7.43	7.43	14.87	0.74	0.74
EBU-5	4	1.61	1.61	0.81	8.07	8.07	16.10	0.81	0.81
EBU-5	5	1.56	1.56	0.78	7.80	7.80	15.60	0.78	0.78
AVG		1.58	1.58	0.79	7.91	7.91	15.80	0.79	0.79
STD		0.07	0.07	0.03	0.33	0.33	0.66	0.03	0.03
CV		0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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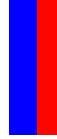
BRL values (<) were divided by three

Results based upon wet weights - ug/kg

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 15	PCB 18	PCB 31	PCB 40	PCB 44	PCB 49	PCB 52	PCB 54	PCB 60	PCB 77	PCB 86	PCB 87	PCB 97	PCB 101	PCB 103
CONTROL	1	0.32	0.32	0.32	0.32	0.32	0.32	1.62	0.63	0.63	0.32	N/A	0.32	0.32	0.32	0.32
CONTROL	2	0.33	0.33	0.33	0.33	0.33	0.58	1.04	0.67	0.67	0.33	N/A	0.33	0.33	0.33	0.33
CONTROL	3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.64	0.64	0.32	N/A	0.32	0.32	0.32	0.32
AVG		0.32	0.32	0.32	0.32	0.32	0.41	0.99	0.65	0.65	0.32		0.32	0.32	0.32	0.32
STD		0.01	0.01	0.01	0.01	0.01	0.15	0.65	0.02	0.02	0.01		0.01	0.01	0.01	0.01
CV		0.03	0.03	0.03	0.03	0.03	0.37	0.66	0.03	0.03	0.03		0.03	0.03	0.03	0.03
EBU-1	1	NR	4.82	8.67	2.16	9.72	13.60	17.30	0.57	1.15	0.74	N/A	5.16	3.84	11.60	0.29
EBU-1	2	NR	6.11	15.10	3.19	16.50	24.20	23.60	0.66	2.28	1.39	N/A	10.80	7.57	19.10	0.33
EBU-1	3	NR	5.40	10.30	2.07	10.10	13.70	17.00	0.41	1.33	0.73	N/A	5.55	4.11	10.70	0.21
EBU-1	4	NR	5.50	10.90	2.45	11.70	16.80	20.50	0.39	1.62	0.79	N/A	7.15	5.34	14.80	0.20
EBU-1	5	NR	5.06	8.60	1.95	10.20	13.60	17.40	0.61	1.45	0.86	N/A	5.41	4.06	9.89	0.31
AVG		5.38	10.71	11.64	2.36	11.64	16.38	19.16	0.53	1.57	0.90		6.81	4.98	13.22	0.27
STD		0.49	2.65	2.82	0.50	2.82	4.58	2.86	0.12	0.43	0.28		2.36	1.56	3.78	0.06
CV		0.09	0.25	0.24	0.21	0.24	0.28	0.15	0.23	0.28	0.31		0.35	0.31	0.29	0.23
EBU-2	1	NR	6.74	10.30	2.06	9.75	13.80	16.70	0.66	1.16	0.91	N/A	4.27	3.68	7.77	0.33
EBU-2	2	NR	7.41	12.30	2.44	12.10	18.40	21.10	0.62	1.10	0.85	N/A	5.38	4.56	11.20	0.31
EBU-2	3	NR	7.38	10.20	4.48	13.30	16.00	18.40	0.63	1.04	2.95	N/A	3.95	3.94	11.30	0.31
EBU-2	4	NR	8.63	10.90	2.96	14.00	20.70	24.20	0.62	1.28	0.80	N/A	5.99	5.23	15.50	0.31
EBU-2	5	NR	8.56	11.90	3.44	14.70	18.30	21.60	0.66	1.03	0.88	N/A	4.67	4.09	7.09	0.33
AVG		7.74	11.12	12.77	3.08	12.77	17.44	20.40	0.64	1.12	1.28		4.85	4.30	10.57	0.32
STD		0.82	0.94	1.94	0.94	1.94	2.63	2.92	0.02	0.10	0.94		0.83	0.61	3.36	0.01
CV		0.11	0.08	0.15	0.31	0.15	0.15	0.14	0.03	0.09	0.73		0.17	0.14	0.32	0.03

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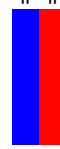
BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 15	PCB 18	PCB 31	PCB 40	PCB 44	PCB 49	PCB 52	PCB 54	PCB 60	PCB 77	PCB 86	PCB 87	PCB 97	PCB 101	PCB 103
EBU-3	1	NR	14.90	16.10	4.65	20.70	23.80	26.50	0.57	1.11	1.50	N/A	6.32	5.98	16.80	0.28
EBU-3	2	NR	13.90	18.50	4.41	20.30	21.90	26.10	0.49	1.08	1.00	N/A	5.58	5.96	15.00	0.24
EBU-3	3	NR	14.60	18.60	4.75	22.10	22.90	27.10	0.63	1.29	1.39	N/A	7.19	6.88	17.60	0.32
EBU-3	4	NR	11.60	14.10	3.54	16.20	18.20	21.30	0.49	1.15	1.54	N/A	5.97	5.84	15.80	0.24
EBU-3	5	NR	10.20	15.90	3.48	15.80	18.90	21.20	0.57	1.22	1.52	N/A	5.69	5.63	16.20	0.28
AVG			13.04	16.64	4.17	19.02	21.14	24.44	0.55	1.17	1.39		6.15	6.06	16.28	0.27
STD			2.05	1.91	0.61	2.84	2.47	2.93	0.06	0.09	0.23		0.65	0.48	0.99	0.03
CV			0.16	0.11	0.15	0.15	0.12	0.12	0.11	0.07	0.16		0.11	0.08	0.06	0.11
EBU-4	1	NR	7.40	12.60	2.91	13.60	18.50	21.90	0.37	1.72	0.73	N/A	6.96	5.26	16.10	0.19
EBU-4	2	NR	8.85	14.80	3.48	16.50	21.90	26.30	0.47	1.86	0.88	N/A	8.24	6.17	17.00	0.24
EBU-4	3	NR	6.83	13.70	2.63	12.10	17.70	20.80	0.66	1.65	0.85	N/A	6.93	5.07	14.10	0.33
EBU-4	4	NR	7.70	13.10	2.55	13.00	19.90	25.30	0.66	1.74	0.91	N/A	8.54	6.97	18.40	0.33
EBU-4	5	NR	7.69	13.60	3.20	15.30	22.10	25.50	0.67	1.72	0.87	N/A	8.60	6.75	20.20	0.33
AVG			7.69	13.56	2.95	14.10	20.02	23.96	0.57	1.74	0.85		7.85	6.04	17.16	0.28
STD			0.74	0.82	0.39	1.78	1.97	2.44	0.14	0.08	0.07		0.84	0.86	2.31	0.07
CV			0.10	0.06	0.13	0.13	0.10	0.10	0.24	0.04	0.08		0.11	0.14	0.13	0.24
EBU-5	1	NR	2.63	4.90	1.11	6.31	9.15	12.50	0.67	1.11	0.57	N/A	4.89	3.69	8.90	0.33
EBU-5	2	NR	3.07	5.24	1.11	6.01	9.33	12.50	0.67	1.08	0.79	N/A	4.53	3.51	9.15	0.33
EBU-5	3	NR	3.76	7.03	1.53	7.74	10.50	14.70	0.62	0.93	0.67	N/A	5.04	3.75	10.10	0.31
EBU-5	4	NR	3.33	6.24	1.29	6.46	9.24	12.50	0.65	0.89	0.75	N/A	4.97	3.75	9.93	0.32
EBU-5	5	NR	4.02	6.35	1.46	7.74	11.30	15.20	0.66	1.11	0.59	N/A	5.15	4.26	12.10	0.33
AVG			3.36	5.95	1.30	6.85	9.90	13.48	0.65	1.02	0.67		4.92	3.79	10.04	0.33
STD			0.55	0.87	0.19	0.83	0.95	1.35	0.02	0.11	0.10		0.24	0.28	1.26	0.01
CV			0.16	0.15	0.15	0.12	0.10	0.10	0.03	0.10	0.14		0.05	0.07	0.13	0.03

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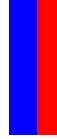
BRL values (<) were divided by three

results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 105	PCB 114	PCB 118	PCB 121	PCB 128	PCB 129	PCB 138	PCB 141	PCB 143	PCB 151	PCB 153	PCB 154	PCB 155	PCB 156	PCB 159
CONTROL	1	0.32	0.32	0.32	0.32	0.32	0.63	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
CONTROL	2	0.33	0.33	0.33	0.33	0.33	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
CONTROL	3	0.32	0.32	0.32	0.32	0.32	0.64	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
AVG		0.32	0.32	0.32	0.32	0.32	0.65	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
STD		0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CV		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
EBU-1	1	3.07	0.29	5.75	0.29	0.89	0.57	6.68	0.29	0.29	1.65	NR	0.29	0.29	NR	NR
EBU-1	2	5.93	0.33	10.50	0.33	1.86	0.66	14.10	0.62	0.33	3.51	NR	0.33	0.33	NR	NR
EBU-1	3	3.32	0.21	6.14	0.21	0.84	0.41	6.59	0.21	0.21	1.39	NR	0.21	0.21	NR	NR
EBU-1	4	4.32	0.20	7.32	0.20	1.49	0.39	8.85	NR	0.20	2.20	NR	0.20	0.20	NR	NR
EBU-1	5	3.22	0.31	5.77	0.31	0.88	0.61	7.29	NR	0.31	1.65	NR	0.31	0.31	NR	NR
AVG		3.97	0.27	7.10	0.27	1.19	0.53	8.70	0.37	0.27	2.08	NR	0.27	0.27	NR	NR
STD		1.20	0.06	2.01	0.06	0.46	0.12	3.15	0.22	0.06	0.85	NR	0.06	0.06	NR	NR
CV		0.30	0.23	0.28	0.23	0.39	0.23	0.36	0.59	0.23	0.41	NR	0.23	0.23	NR	NR
EBU-2	1	2.64	0.33	4.06	0.33	0.73	0.66	7.30	NR	0.33	1.57	NR	0.33	0.33	NR	NR
EBU-2	2	2.93	0.31	5.26	0.31	1.08	0.62	8.31	NR	0.31	2.04	NR	0.31	0.31	NR	NR
EBU-2	3	2.60	0.31	4.90	0.31	0.68	0.63	6.52	NR	0.31	1.60	NR	0.31	0.31	NR	NR
EBU-2	4	3.99	0.31	6.87	0.31	1.13	0.62	9.84	NR	0.31	2.44	NR	0.31	0.31	NR	NR
EBU-2	5	2.74	0.33	6.07	0.33	1.05	0.66	9.36	NR	0.33	2.37	NR	0.33	0.33	NR	NR
AVG		2.98	0.32	5.43	0.32	0.93	0.64	8.27	NR	0.32	2.00	NR	0.32	0.32	NR	NR
STD		0.58	0.01	1.08	0.01	0.21	0.02	1.38	0.01	0.01	0.41	NR	0.01	0.01	NR	NR
CV		0.19	0.03	0.20	0.03	0.23	0.03	0.17	0.03	0.03	0.21	NR	0.03	0.03	NR	NR

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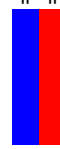
BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 105	PCB 114	PCB 118	PCB 121	PCB 128	PCB 129	PCB 138	PCB 141	PCB 143	PCB 151	PCB 153	PCB 154	PCB 155	PCB 156	PCB 159
EBU-3	1	3.88	0.78	9.39	0.28	1.29	0.57	11.00	NR	0.28	3.24	NR	0.28	0.28	NR	NR
EBU-3	2	3.49	0.24	9.40	0.24	1.22	0.49	8.13	NR	0.24	2.96	NR	0.24	0.24	NR	NR
EBU-3	3	4.28	0.32	11.70	0.32	1.58	0.63	10.20	NR	0.32	3.41	NR	0.32	0.32	NR	NR
EBU-3	4	3.93	0.24	9.87	0.24	1.65	0.49	9.06	NR	0.24	2.68	NR	0.24	0.24	NR	NR
EBU-3	5	3.68	0.28	9.12	0.28	1.28	0.57	9.30	NR	0.28	3.66	NR	0.28	0.28	NR	NR
AVG		3.85	0.37	9.90	0.27	1.40	0.55	9.54		0.27	3.19		0.27	0.27		
STD		0.30	0.23	1.04	0.03	0.20	0.06	1.10		0.03	0.38		0.03	0.03		
CV		0.08	0.61	0.11	0.11	0.14	0.11	0.12		0.11	0.12		0.11	0.11		
EBU-4	1	4.59	0.19	8.57	0.19	1.30	0.55	8.20	NR	0.19	2.47	NR	0.19	0.19	NR	NR
EBU-4	2	4.79	0.24	10.90	0.24	1.28	0.47	8.92	NR	0.24	2.51	NR	0.24	0.24	NR	NR
EBU-4	3	4.14	0.33	8.06	0.33	1.05	0.66	8.45	NR	0.33	1.94	NR	0.33	0.33	NR	NR
EBU-4	4	4.97	0.33	8.68	0.33	1.79	0.66	11.70	NR	0.33	2.93	NR	0.33	0.33	NR	NR
EBU-4	5	5.23	0.33	8.93	0.33	1.54	0.67	12.20	NR	0.33	2.88	NR	0.33	0.33	NR	NR
AVG		4.74	0.28	9.03	0.28	1.39	0.60	9.89		0.28	2.55		0.28	0.28		
STD		0.41	0.07	1.09	0.07	0.28	0.09	1.90		0.07	0.40		0.07	0.07		
CV		0.09	0.24	0.12	0.24	0.20	0.14	0.19		0.24	0.16		0.24	0.24		
EBU-5	1	3.14	0.33	4.03	0.33	1.04	0.67	9.84	NR	0.33	2.26	NR	0.33	0.33	NR	NR
EBU-5	2	3.22	0.33	3.10	0.33	1.00	0.67	9.23	NR	0.33	2.23	NR	0.33	0.33	NR	NR
EBU-5	3	3.21	0.31	4.42	0.31	1.02	0.62	5.58	NR	0.31	1.81	NR	0.31	0.31	NR	NR
EBU-5	4	3.59	0.32	4.13	0.32	1.04	0.65	9.25	NR	0.32	1.82	NR	0.32	0.32	NR	NR
EBU-5	5	3.42	0.33	4.52	0.33	1.14	0.66	9.74	NR	0.33	2.16	NR	0.33	0.33	NR	NR
AVG		3.32	0.33	4.04	0.33	1.05	0.65	8.73		0.33	2.06		0.33	0.33		
STD		0.19	0.01	0.56	0.01	0.05	0.02	1.78		0.01	0.22		0.01	0.01		
CV		0.06	0.03	0.14	0.03	0.05	0.03	0.20		0.03	0.11		0.03	0.03		

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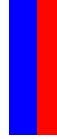
BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 167	PCB 171	PCB 173	PCB 180	PCB 182	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 194	PCB 195	PCB 196	PCB 199	PCB 201
CONTROL	1	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.59	0.32	0.32	0.32	0.32	0.32	0.32	0.32
CONTROL	2	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.61	0.33	0.33	0.33	0.33	0.33	0.33	0.33
CONTROL	3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.62	0.32	0.32	0.32	0.32	0.32	0.32	0.32
AVG		0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.61	0.32	0.32	0.32	0.32	0.32	0.32	0.32
STD		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CV		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
EBU-1	1	0.29	NR	0.29	1.03	0.29	0.36	0.36	NR	0.29	0.29	0.29	0.29	0.29	0.29	0.45
EBU-1	2	0.33	NR	0.33	1.77	0.33	0.73	0.58	NR	0.33	0.33	0.33	0.33	0.33	0.33	1.06
EBU-1	3	0.21	NR	0.21	1.14	0.21	0.36	0.31	NR	0.21	0.21	0.21	0.21	0.21	0.21	0.46
EBU-1	4	0.20	NR	0.20	1.47	0.20	0.64	0.39	NR	0.20	0.20	0.23	0.20	0.20	0.20	0.62
EBU-1	5	0.31	NR	0.31	1.31	0.31	0.31	0.39	NR	0.31	0.31	0.31	0.31	0.31	0.31	0.46
AVG		0.27	0.27	0.27	1.34	0.27	0.48	0.41	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.61
STD		0.06	0.06	0.06	0.29	0.06	0.19	0.10	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.26
CV		0.23	0.23	0.23	0.22	0.23	0.40	0.25	0.23	0.23	0.23	0.19	0.23	0.23	0.23	0.43
EBU-2	1	0.33	NR	0.33	0.79	0.33	0.33	0.43	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.44
EBU-2	2	0.31	NR	0.31	0.85	0.31	0.39	0.31	NR	0.31	0.31	0.31	0.31	0.31	0.31	0.59
EBU-2	3	0.31	NR	0.31	0.89	0.31	0.31	0.31	NR	0.31	0.31	0.31	1.17	0.31	0.31	0.44
EBU-2	4	0.31	NR	0.31	1.07	0.38	0.44	0.38	NR	0.31	0.31	0.31	0.31	0.31	0.31	0.76
EBU-2	5	0.33	NR	0.33	4.61	0.33	1.62	0.44	NR	0.33	0.33	1.14	0.62	0.82	0.33	1.31
AVG		0.32	0.32	0.32	1.64	0.33	0.62	0.37	0.32	0.32	0.32	0.48	0.55	0.42	0.32	0.71
STD		0.01	0.01	0.01	1.66	0.03	0.56	0.06	0.01	0.01	0.01	0.37	0.37	0.23	0.01	0.36
CV		0.03	0.03	0.03	1.01	0.08	0.91	0.17	0.03	0.03	0.03	0.77	0.68	0.54	0.03	0.51

 =BRL  
=J

BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 167	PCB 171	PCB 173	PCB 180	PCB 182	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 194	PCB 195	PCB 196	PCB 199	PCB 201
EBU-3	1	0.28	NR	0.28	1.60	0.28	1.05	0.89	NR	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EBU-3	2	0.24	NR	0.24	1.09	0.24	0.51	0.24	NR	0.24	0.24	0.24	0.24	0.24	0.24	1.53
EBU-3	3	0.32	NR	0.32	1.57	0.32	0.63	0.36	NR	0.32	0.32	0.36	0.32	0.32	0.32	1.07
EBU-3	4	0.24	NR	0.24	1.21	0.24	0.43	0.33	NR	0.24	0.24	0.35	0.24	0.24	0.24	0.91
EBU-3	5	0.28	NR	0.28	0.90	0.28	0.49	0.32	NR	0.28	0.28	0.28	0.28	0.28	0.28	0.95
AVG		0.27	0.27	0.27	1.27	0.27	0.62	0.43	NR	0.27	0.27	0.30	0.27	0.27	0.27	0.95
STD		0.03	0.03	0.03	0.30	0.03	0.25	0.26	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.45
CV		0.11	0.11	0.11	0.24	0.11	0.40	0.61	0.11	0.11	0.11	0.16	0.11	0.11	0.11	0.47
EBU-4	1	0.65	NR	0.19	2.38	0.81	1.13	0.29	NR	0.19	0.19	0.19	0.19	0.19	0.25	0.55
EBU-4	2	0.60	NR	0.24	1.64	0.24	1.30	0.55	NR	0.24	0.24	0.24	0.26	0.24	0.24	1.12
EBU-4	3	0.67	NR	0.33	1.53	0.33	0.55	0.36	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.67
EBU-4	4	0.56	NR	0.33	1.80	0.33	0.97	0.48	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.83
EBU-4	5	0.59	NR	0.33	1.62	0.33	0.75	0.55	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.88
AVG		0.61	0.28	0.41	1.79	0.41	0.94	0.45	NR	0.28	0.28	0.28	0.29	0.28	0.30	0.81
STD		0.05	0.07	0.23	0.34	0.23	0.30	0.12	0.07	0.07	0.07	0.07	0.06	0.07	0.05	0.22
CV		0.07	0.24	0.56	0.19	0.56	0.32	0.26	0.24	0.24	0.24	0.23	0.22	0.24	0.16	0.27
EBU-5	1	0.40	NR	0.33	1.06	0.33	0.59	0.33	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.95
EBU-5	2	0.33	NR	0.33	1.69	0.33	0.82	0.47	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.87
EBU-5	3	0.31	NR	0.31	1.02	0.31	0.59	0.39	NR	0.31	0.31	0.31	0.31	0.31	0.31	0.71
EBU-5	4	0.32	NR	0.32	1.12	0.32	0.44	0.38	NR	0.32	0.32	0.32	0.32	0.32	0.32	0.83
EBU-5	5	0.33	NR	0.33	0.95	0.33	0.52	0.62	NR	0.33	0.33	0.33	0.33	0.33	0.33	1.03
AVG		0.34	0.33	0.33	1.17	0.33	0.59	0.44	NR	0.33	0.33	0.33	0.33	0.33	0.33	0.88
STD		0.04	0.01	0.01	0.30	0.01	0.14	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12
CV		0.10	0.03	0.03	0.26	0.03	0.24	0.26	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.14

 =BRL  
=J

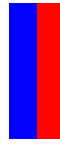
BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 202	PCB 203	PCB 205	PCB 206	PCB 207	PCB 208	Sum PCB
CONTROL	1	0.32	0.32	0.32	0.32	0.32	0.32	0.32
CONTROL	2	0.33	0.33	0.33	0.33	0.33	0.33	0.33
CONTROL	3	0.32	0.32	0.32	0.32	0.32	0.32	0.32
AVG		0.32	0.32	0.32	0.32	0.32	0.32	17.52
STD		0.01	0.01	0.01	0.01	0.01	0.01	
CV		0.03	0.03	0.03	0.03	0.03	0.03	
EBU-1	1	0.29	0.27	0.29	0.47	0.29	0.33	0.33
EBU-1	2	0.33	0.77	0.33	0.91	0.33	0.76	0.76
EBU-1	3	0.21	0.27	0.21	0.51	0.21	0.33	0.33
EBU-1	4	0.20	0.34	0.20	0.61	0.20	0.49	0.49
EBU-1	5	0.31	0.31	0.31	0.49	0.31	0.40	0.40
AVG		0.27	0.39	0.27	0.60	0.27	0.46	126.67
STD		0.06	0.21	0.06	0.18	0.06	0.18	
CV		0.23	0.55	0.23	0.31	0.22	0.39	
EBU-2	1	0.33	0.33	0.33	0.54	0.33	0.44	0.44
EBU-2	2	0.31	0.31	0.31	0.65	0.31	0.59	0.59
EBU-2	3	0.31	0.33	0.31	0.31	0.31	0.63	0.63
EBU-2	4	0.31	0.42	0.31	1.05	0.31	0.72	0.72
EBU-2	5	0.33	0.90	0.33	0.90	0.33	0.58	0.58
AVG		0.32	0.46	0.32	0.69	0.32	0.59	126.89
STD		0.01	0.25	0.01	0.29	0.01	0.10	
CV		0.03	0.55	0.03	0.42	0.03	0.17	


  
 =BRL
   
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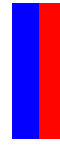
BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - PCB Congeners in *L. variegatus***

**TABLE 5**

SEDIMENT	REP	PCB 202	PCB 203	PCB 205	PCB 206	PCB 207	PCB 208	Sum PCB
EBU-3	1	0.28	0.50	0.28	1.18	0.28	0.97	
EBU-3	2	0.29	0.57	0.24	1.05	0.24	0.87	
EBU-3	3	0.32	0.55	0.95	1.46	0.17	1.10	
EBU-3	4	0.24	0.48	0.24	1.21	0.24	0.92	
EBU-3	5	0.28	0.51	0.28	1.26	0.28	1.00	
AVG		0.28	0.52	0.40	1.23	0.24	0.97	<b>169.63</b>
STD		0.03	0.04	0.31	0.15	0.04	0.09	
CV		0.09	0.07	0.77	0.12	0.19	0.09	
EBU-4	1	0.19	0.32	0.19	0.52	0.19	0.47	
EBU-4	2	0.24	0.53	0.24	1.19	0.24	0.68	
EBU-4	3	0.33	0.37	0.33	0.66	0.33	0.55	
EBU-4	4	0.33	0.36	0.33	0.78	0.33	0.65	
EBU-4	5	0.33	0.45	0.33	0.85	0.33	0.64	
AVG		0.28	0.41	0.28	0.80	0.28	0.60	<b>156.07</b>
STD		0.07	0.08	0.07	0.25	0.07	0.09	
CV		0.24	0.21	0.24	0.31	0.23	0.14	
EBU-5	1	0.33	0.42	0.33	1.45	0.33	1.06	
EBU-5	2	0.33	0.38	0.33	1.16	0.33	0.98	
EBU-5	3	0.31	0.45	0.31	0.93	0.35	0.71	
EBU-5	4	0.32	0.40	0.32	1.24	0.32	0.97	
EBU-5	5	0.33	0.45	0.33	1.33	0.33	1.10	
AVG		0.33	0.42	0.33	1.22	0.33	0.96	<b>93.35</b>
STD		0.01	0.03	0.01	0.20	0.01	0.15	
CV		0.03	0.07	0.03	0.16	0.03	0.16	


  
 =BRL
   
 =J

BRL values (<) were divided by three

Results based upon wet weights - ug/k

**Eighteenmile Creek AOC - Metals in *L. variegatus***

**TABLE 6**

SEDIMENT	REP	SB	AS	BE	CD	CR	CU	PB	NI	SE	AG	TL
CONTROL	1	0.047	1.390	0.028	0.058	1.3	5.4	3.0	1.9	0.68	0.008	0.008
CONTROL	2	0.008	0.843	0.008	0.047	0.3	4.7	2.2	1.0	0.61	0.008	0.008
CONTROL	3	0.008	1.120	0.008	0.065	0.1	4.6	1.3	1.2	0.65	0.008	0.008
AVG		0.021	1.118	0.015	0.056	0.6	4.9	2.2	1.4	0.64	0.008	0.008
STD		0.022	0.274	0.011	0.009	0.7	0.4	0.8	0.5	0.04	0.000	0.000
CV		1.05	0.24	0.76	0.16	1.20	0.09	0.38	0.34	0.06	0.00	0.00
EBU-1	1	0.029	1.090	0.036	0.192	5.2	10.1	7.7	5.3	0.43	0.008	0.191
EBU-1	2	0.057	1.160	0.034	0.112	6.9	10.4	8.9	4.3	0.55	0.008	0.008
EBU-1	3	0.008	0.410	0.056	0.247	5.9	13.2	1.5	7.5	0.39	0.008	0.026
EBU-1	4	0.008	0.769	0.008	0.055	1.9	4.3	3.9	2.1	0.44	0.008	0.046
EBU-1	5	0.028	1.040	0.040	0.166	6.2	11.0	13.4	4.3	0.47	0.008	0.008
AVG		0.026	0.894	0.035	0.154	5.2	9.8	7.1	4.7	0.46	0.008	0.056
STD		0.020	0.308	0.017	0.074	1.9	3.3	4.6	1.9	0.06	0.000	0.077
CV		0.77	0.35	0.50	0.48	0.37	0.34	0.65	0.41	0.13	0.00	1.38
EBU-2	1	0.035	1.240	0.048	0.297	11.2	19.4	15.2	10.2	0.49	0.008	0.036
EBU-2	2	0.088	0.954	0.028	0.155	4.1	9.1	10.0	3.9	0.45	0.029	0.008
EBU-2	3	0.091	1.310	0.054	0.313	8.1	19.1	20.8	6.9	0.49	0.008	0.034
EBU-2	4	0.008	0.756	0.008	0.520	2.2	5.9	5.4	2.0	0.51	0.037	0.008
EBU-2	5	0.106	1.940	0.080	0.461	13.3	24.3	30.4	19.6	0.48	0.033	0.056
AVG		0.066	1.240	0.044	0.349	7.8	15.6	16.4	8.5	0.48	0.023	0.028
STD		0.042	0.450	0.027	0.144	4.7	7.7	9.7	6.9	0.02	0.014	0.020
CV		0.64	0.36	0.62	0.41	0.60	0.50	0.60	0.81	0.05	0.60	0.71

**[Redacted]** =BRL

BRL values (<) were divided by three

**Eighteenmile Creek AOC - Metals in *L. variegatus***

**TABLE 6**

<b>SEDIMENT</b>	<b>REP</b>	<b>SB</b>	<b>AS</b>	<b>BE</b>	<b>CD</b>	<b>CR</b>	<b>CU</b>	<b>PB</b>	<b>NI</b>	<b>SE</b>	<b>AG</b>	<b>TL</b>
EBU-3	1	0.064	1.060	0.042	0.320	15.9	26.6	29.5	15.1	0.04	0.028	0.032
EBU-3	2	0.142	1.340	0.054	0.310	15.0	23.4	26.2	22.0	0.41	0.052	0.045
EBU-3	3	0.043	1.220	0.049	0.282	13.7	21.3	22.8	20.0	0.38	0.047	0.041
EBU-3	4	0.049	1.520	0.048	0.387	21.3	33.8	42.8	27.5	0.45	0.043	0.054
EBU-3	5	0.026	1.090	0.060	0.297	12.5	22.1	28.1	16.8	0.40	0.031	0.035
AVG		0.065	1.246	0.051	0.319	15.7	25.4	29.9	20.3	0.34	0.040	0.041
STD		0.045	0.189	0.007	0.040	3.4	5.1	7.6	4.9	0.16	0.010	0.008
CV		0.70	0.15	0.13	0.13	0.22	0.20	0.26	0.24	0.49	0.25	0.20
EBU-4	1	0.105	1.050	0.059	0.186	15.2	19.5	40.6	6.2	0.38	0.032	0.051
EBU-4	2	0.054	0.843	0.041	0.141	5.3	18.2	20.1	4.6	0.40	0.008	0.008
EBU-4	3	0.057	1.690	0.109	0.321	29.6	26.2	30.8	10.6	0.42	0.039	0.041
EBU-4	4	0.008	0.916	0.008	0.061	5.4	6.5	6.8	2.2	0.47	0.008	0.008
EBU-4	5	0.008	0.833	0.029	0.068	2.5	8.0	8.7	2.8	0.44	0.059	0.008
AVG		0.047	1.066	0.049	0.155	11.6	15.7	21.4	5.3	0.42	0.029	0.023
STD		0.040	0.359	0.038	0.106	11.2	8.3	14.4	3.4	0.03	0.022	0.021
CV		0.87	0.34	0.77	0.68	0.96	0.53	0.67	0.64	0.08	0.74	0.90
EBU-5	1	0.153	0.793	0.008	0.083	6.4	4.6	4.5	1.2	0.31	0.326	0.008
EBU-5	2	0.048	0.730	0.034	0.100	2.9	6.1	8.0	3.4	0.25	0.008	0.008
EBU-5	3	0.034	1.020	0.083	0.197	16.4	11.2	16.3	5.6	0.21	0.077	0.064
EBU-5	4	0.041	1.030	0.031	0.230	15.9	8.6	22.7	2.5	0.36	0.008	0.008
EBU-5	5	0.008	0.844	0.027	0.073	13.8	6.1	6.3	2.1	0.38	0.008	0.008
AVG		0.057	0.883	0.037	0.137	11.1	7.3	11.6	2.9	0.30	0.086	0.019
STD		0.056	0.135	0.028	0.072	6.1	2.6	7.7	1.7	0.07	0.138	0.025
CV		0.98	0.15	0.75	0.53	0.55	0.36	0.67	0.57	0.24	1.61	1.28

**█ =BRL**

BRL values (<) were divided by three

**Eighteenmile Creek AOC - Metals in *L. variegatus***

**TABLE 6**

SEDIMENT	REP	ZN	AL	BA	CA	CO	FE	MG	MN	K	NA	V	HG
CONTROL	1	37.0	412	122.0	1260	0.67	1330	692	33.8	1200	772	1.45	0.03
CONTROL	2	38.2	158	118.0	365	0.45	764	314	15.5	1330	758	0.57	0.04
CONTROL	3	36.1	236	31.1	738	0.56	485	537	32.5	1340	691	1.09	0.19
AVG		37.1	268.7	90.4	788	0.56	860	514	27.3	1290	740	1.04	0.09
STD		1.1	130.1	51.4	450	0.11	431	190	10.2	78	43	0.44	0.09
CV		0.03	0.48	0.57	0.57	0.19	0.50	0.37	0.37	0.06	0.06	0.43	1.03
EBU-1	1	80.0	279	26.9	1360	1.04	1270	330	35.3	791	495	1.61	0.09
EBU-1	2	58.9	265	73.6	1300	0.77	1190	331	27.4	1290	866	0.99	11.50
EBU-1	3	96.2	342	13.9	4100	1.61	397	464	97.6	628	424	2.11	0.11
EBU-1	4	39.4	145	56.4	723	0.39	676	200	13.2	1110	728	0.52	0.08
EBU-1	5	75.3	431	55.9	1420	0.93	1580	362	34.1	986	629	1.73	0.07
AVG		70.0	292	45.3	1781	0.95	1023	337	41.5	961	628	1.39	2.37
STD		21.6	105	24.3	1326	0.44	477	94	32.6	260	177	0.63	5.10
CV		0.31	0.36	0.54	0.74	0.47	0.47	0.28	0.78	0.27	0.28	0.45	2.15
EBU-2	1	127.0	433	30.6	1070	1.47	1770	362	24.4	917	582	1.82	0.12
EBU-2	2	73.7	284	64.9	584	0.71	1100	258	14.9	1070	702	1.06	0.09
EBU-2	3	96.4	462	63.6	1110	1.08	1840	377	26.5	986	616	1.91	0.20
EBU-2	4	44.6	254	81.9	323	0.43	720	245	10.4	1330	976	0.55	0.04
EBU-2	5	170.0	676	48.4	2310	2.31	3210	537	45.8	719	431	3.25	0.11
AVG		102.3	422	57.9	1079	1.20	1728	356	24.4	1004	661	1.72	0.11
STD		48.4	168	19.3	764	0.73	951	117	13.7	223	201	1.02	0.05
CV		0.47	0.40	0.33	0.71	0.61	0.55	0.33	0.56	0.22	0.30	0.60	0.49

**█** =BRL

BRL values (<) were divided by three

**Eighteenmile Creek AOC - Metals in *L. variegatus***

**TABLE 6**

<b>SEDIMENT</b>	<b>REP</b>	<b>ZN</b>	<b>AL</b>	<b>BA</b>	<b>CA</b>	<b>CO</b>	<b>FE</b>	<b>MG</b>	<b>MN</b>	<b>K</b>	<b>NA</b>	<b>V</b>	<b>HG</b>
EBU-3	1	152.0	386	76.0	861	1.42	1690	343	33.0	1120	591	1.99	0.15
EBU-3	2	168.0	369	61.3	1340	1.75	1920	404	44.1	948	573	2.43	0.12
EBU-3	3	159.0	212	55.7	1220	1.59	1750	368	40.1	863	521	2.21	0.23
EBU-3	4	214.0	442	70.6	1200	2.40	2280	452	45.8	1050	615	2.85	0.20
EBU-3	5	171.0	638	80.1	1200	1.62	1930	447	37.2	1170	643	2.12	0.17
<b>AVG</b>		172.8	409	68.7	1164	1.76	1914	403	40.0	1030	589	2.32	0.17
<b>STD</b>		24.2	154	10.1	179	0.38	230	48	5.2	125	46	0.34	0.04
<b>CV</b>		0.14	0.38	0.15	0.15	0.22	0.12	0.12	0.13	0.12	0.08	0.15	0.25
EBU-4	1	74.0	460	55.8	2510	2.48	2510	379	45.8	849	500	2.48	0.11
EBU-4	2	71.0	353	67.1	1690	0.89	1770	342	31.1	1030	679	1.74	0.06
EBU-4	3	117.0	886	49.7	3600	1.86	4220	629	89.8	767	435	4.66	0.13
EBU-4	4	96.6	510	88.2	554	0.54	1070	283	17.6	1350	899	0.79	0.02
EBU-4	5	107.0	718	87.5	601	0.70	1230	304	28.6	1290	835	0.99	0.04
<b>AVG</b>		93.1	585	69.7	1791	1.29	2160	387	42.6	1057	670	2.13	0.07
<b>STD</b>		20.2	214	17.7	1299	0.84	1282	140	28.2	259	202	1.56	0.04
<b>CV</b>		0.22	0.37	0.25	0.73	0.65	0.59	0.36	0.66	0.24	0.30	0.73	0.61
EBU-5	1	39.0	99.6	73.1	328	0.30	651	212	15.6	1190	656	0.71	0.03
EBU-5	2	51.3	246	41.7	874	0.58	1520	250	31.7	674	417	1.67	0.04
EBU-5	3	143.0	1460	31.2	2280	1.00	2190	536	61.3	618	293	2.82	0.03
EBU-5	4	136.0	609	69.4	2770	0.57	1210	341	34.8	1100	596	1.36	0.03
EBU-5	5	96.0	744	99.4	536	0.63	1240	371	30.1	1370	771	1.10	0.01
<b>AVG</b>		93.1	632	63.0	1358	0.62	1362	342	34.7	990	547	1.53	0.03
<b>STD</b>		47.5	532	27.1	1097	0.25	560	126	16.6	330	191	0.80	0.01
<b>CV</b>		0.51	0.84	0.43	0.81	0.41	0.41	0.37	0.48	0.33	0.35	0.52	0.35

**=BRL**

BRL values (<) were divided by three