

Appendix 5

Raw data for salamander exposures

	50 mg/cm ² soil, one day			50 mg/cm ² soil, two day					
	#9889	#9872	#9891	#9880	#9886	#9890	#9885	#9865	#9892
Tissue malathion (ppm)									
Liver	0.18	0.42	0.196	1.423	1.30	1.19	0.81	0.24	0.19
Gastrointestinal	11.62	21.47	0.149						
Avisceral carcass	0	0	0.113	0.291	0.89	10.8	3.57	0.39	0.61
Visceral carcass	0.84	1.42	0.464	14.34	0.29	0.27	1.02	0.00	0.2
Sample weight (g)									
Liver	3.65	3.47	2.77	3.38	3.18	3.04	3.82	4.66	3.34
Gastrointestinal	4.12	2.38	2.38						
Avisceral carcass	4.61	21.01	18.5	50.33	14.47	8.49	19.94	9.33	8.62
Visceral carcass	48.93	50.92	44.15	20.89	47.59	46.26	39.07	45.80	49.98
Total tissue burden (ppm)									
Liver	0.67	1.45	0.544	4.8	4.12	3.63	3.09	1.10	0.64
Gastrointestinal	47.89	51.1	0.354						
Avisceral carcass	0	0	2.081	14.64	2.75	91.78	71.27	3.65	5.23
Visceral carcass	41.05	72.36	20.49	299.56	13.84	12.69	39.89	0.00	10.17
Total burden (salamander ppm)									
	1.46	1.61	0.35	3.73	0.39	1.42	1.47	0.05	0.19
Median	1.46			1.42					
Brain cholinesterase (umol/min/g brain)	5.53	4.61	5.00	9.07	9.33	11.92	5.29	9.65	4.78
Median	5.00			9.2					

Appendix 5 cont.....

	50 mg/cm ² soil/worm, two day			100 mg/cm ² soil/worm, two day			Control	
	#9877	#9884	#9875	#9870	#9871	#9879	#9864	#9874
Tissue malathion (ppm)								
Liver	1.61	1.18	0.69	0.33	0.52	1.42	0.00	0.00
Gastrointestinal								
Avisceral carcass	0.25	0.94	0.80	2.61	2.04	2.64	0.00	0.00
Visceral carcass	0.25	0.30	0.36	0.38	0.39	0.15	0.00	0.00
Sample weight (g)								
Liver	3.67	4.41	5.17	4.15	3.49	3.88	0.00	0.00
Gastrointestinal								
Avisceral carcass	21.09	9.55	8.53	9.33	24.1	6.50	0.00	0.00
Visceral carcass	57.41	60.29	60.29	55.2	57.2	51.2	0.00	0.00
Total tissue burden (ppm)								
Liver	5.93	5.22	3.57	1.36	1.81	5.49	0.00	0.00
Gastrointestinal								
Avisceral carcass	5.31	8.99	6.54	24.39	49.07	17.16	0.00	0.00
Visceral carcass	14.47	18.2	21.73	20.89	22.82	7.44	0.00	0.00
Total burden (salamander ppm)								
	0.28	0.43	0.35	0.56	0.77	0.42	0.00	0.00
Median	0.35			0.56			0.00	
Brain cholinesterase (umol/min/g brain)								
	3.63	8.12	11.38	1.17	0.85	0.72	20.61	15.59
Median	8.12			0.85			18.1	