

Table I-14 Results of Chemical and Biological Parameters for Fish Tissues Using Student-Newman-Keuls Test

Significant GLMs - All Fish							
Analyte	Degrees of Freedom	Sum of Squares	F	Probability	Zone 0 (SNK)	Zone 2 (SNK)	Zone 3 (SNK)
Arsenic	2	882.62	11.6668	0.0024	B	A	B
Benzo[a]pyrene Equivalent	2	2.13	21.8967	0.0002	B	A	B
Dibenzothiophene	2	0.00	58.2586	0.0000	C	B	A
Naphthalene	2	0.00	8.4092	0.0072	B	A	AB
Toxicity Equivalent	2	0.01	19.9730	0.0003	B	A	B
Significant GLMs - Halibut Only							
Arsenic	2	463.89	16.2029	0.0065	B	A	AB
Benzo[a]pyrene Equivalent	2	1.21	7.8125	0.0289	A	A	A
C1-Naphthalenes	2	0.00	6.8635	0.0368	A	A	A
C1-Phenanthrenes/anthracenes	2	0.00	7.7258	0.0296	B	B	A
Thallium	2	0.00	6.1029	0.0455	A	A	A
Toxicity Equivalent	2	0.00	6.5128	0.0405	A	A	A
kidney tubules	2	11.35	13.5252	0.0096	A	B	A
Significant GLMs - Halibut Only with Length as Covariant							
Arsenic	2	399.19	13.4500	0.0168	B	A	AB
Benzo[a]pyrene Equivalent	2	1.38	14.2000	0.0152	B	A	AB
C1-Naphthalenes	2	0.00	10.1300	0.0272	A	A	A
Thallium	2	0.00	15.7500	0.0127	B	A	AB
Toxicity Equivalent	2	0.00	9.7400	0.0290	A	A	A
kidney tubules	2	10.31	9.9700	0.0279	A	A	A

GLM = General Linear Model (e.g., Student-Newman-Kuels Test)