

**Table I-13 Correlations between Biological Parameters and Tissue Chemical Parameters;
All Fish Considered (.05>z>.01 = *; .01>z>.001 = **; z<.001 = ***)**

Parameter	Associated Parameter	Pearson's Correlation	z	Significant	r-Square
kidney tubules	Acenaphthene	-0.716	0.020	*	0.512
kidney tubules	C1-Naphthalenes	-0.832	0.003	**	0.692
kidney tubules	Antimony	-0.646	0.043	*	0.418
kidney vascular endothel	Iron	-0.744	0.014	*	0.554
length	Iron	-0.781	0.008	**	0.611
length	Mercury	0.883	0.001	***	0.779
length	kidney vascular endothel	0.778	0.008	**	0.605
Toxicity Equivalent	Naphthalene	0.874	0.000	***	0.764
Toxicity Equivalent	Pyrene	0.590	0.034	*	0.348
Toxicity Equivalent	Benzo[a]pyrene Equivalent	0.991	0.000	***	0.982