

**Table 8-8 Wilcoxon Rank Sum Test Results
Bayou Verdine AOC**

		Probability (p-value) ¹					
Area of Concern	Energy Area	Aroclor 1254	Arsenic	Barium	bis(2-ethylhexyl)phthalate	Chromium	Copper
Bayou Verdine	Bayou	-- ²	0.016	0.004	0.182	0.138	0.073
		Probability (p-value) ¹					
Area of Concern	Energy Area	Lead	Mercury	Nickel	Pyrene	Zinc	2,3,7,8-TCDD TEQ
Bayou Verdine	Bayou	0.474	0.033	0.83	0.013	0.03	0.233

¹ If p-value < critical value (alpha = 0.05) then there is a statistically significant difference between the AOC and reference areas. Bold = Significant Difference. Values in parentheses are Bonferroni adjusted p-values < critical value.

² Insufficient data for analysis.

Shading indicates that reference area conditions are greater than the energy system.