

TABLE 5-5 THEORETICAL BIOACCUMULATION POTENTIAL\* FOR DIOXINS AND FURANS IN TISSUE

	Charleston Naval Base			Cooper River Berthing Area			Wando River Berthing Area		Wando River Realignment			REFERENCE
	CNB-01	CNB-02	CNB-03	CPB-01	CPB-02	CPB-03	WDB-01	WDB-02	WDR-01	WDR-02	WDR-03	
% TOC	3.34	6.75	6.18	2.48	1.61	1.1	3.77	1.8	0.91	1.34	1.53	0.56
<b>Dioxins (ng/kg)</b>												
2,3,7,8-TCDD	0.2	0.1	0.1	0.3	0.5	0.7	0.2	0.4	0.9	0.6	0.5	1.4
1,2,3,7,8-PeCDD	0.2	0.1	0.1	0.3	0.5	0.7	0.2	0.4	0.9	0.6	0.5	1.4
1,2,3,4,7,8-HxCDD	0.7	0.4	0.4	1.0	1.5	2.2	0.6	1.3	2.6	1.8	1.6	4.3
1,2,3,6,7,8-HxCDD	0.7	0.4	0.4	1.0	1.5	2.2	0.6	1.3	2.6	1.8	1.6	4.3
1,2,3,7,8,9-HxCDD	0.5	0.2	0.3	0.7	1.0	1.5	0.4	31.6	1.8	1.2	1.5	2.9
1,2,3,4,6,7,8-HpCDD	59.2	32.6	27.6	72.9	34.8	27.6	53.3	198.7	119.6	148.7	98.3	88.6
OCDD	490.1	175.6	288.2	409.4	342.9	432.7	489.5	1906.2	1241.0	955.8	804.2	478.6
<b>Furans (ng/kg)</b>												
2,3,7,8-TCDF	0.2	0.1	0.1	0.3	0.5	0.7	0.2	0.4	0.9	0.6	0.5	1.4
1,2,3,7,8-PeCDF	0.5	0.2	0.3	0.7	1.0	1.5	0.4	0.9	1.8	1.2	1.1	2.9
2,3,4,7,8-PeCDF	0.5	0.2	0.3	0.7	1.0	1.5	0.4	0.9	1.8	1.2	1.1	2.9
1,2,3,4,7,8-HxCDF	0.5	0.2	0.3	0.7	1.0	1.5	0.4	0.9	1.8	1.2	1.1	2.9
1,2,3,6,7,8-HxCDF	0.5	0.2	0.3	0.7	1.0	1.5	0.4	0.9	1.8	1.2	1.1	2.9
1,2,3,7,8,9-HxCDF	1.4	0.7	0.8	1.9	3.0	4.4	1.3	2.7	5.3	3.6	3.1	8.6
2,3,4,6,7,8-HxCDF	0.7	0.4	0.4	1.0	1.5	2.2	0.6	1.3	2.6	1.8	1.6	4.3
1,2,3,4,6,7,8-HpCDF	2.6	1.3	1.4	3.6	5.5	8.0	2.3	4.9	9.7	6.6	5.8	15.7
1,2,3,4,7,8,9-HpCDF	1.0	0.5	0.5	1.3	2.0	2.9	0.9	1.8	3.5	2.4	2.1	5.7
OCDF	2.6	1.3	1.4	3.6	5.5	8.0	2.3	4.9	9.7	6.6	5.8	15.7

\*Values based on concentrations detected in the sediment samples (dry weight) as presented in Table 4-14. For analytes that were not detected, the detection limit was used as the concentration in the sediment to calculate maximum TBP. Values based on 2% lipid content for either *Macoma* or *Neanthes* tissue.

Shaded values represent TBP values in test sediments that exceed the Reference station values.