

**TABLE 4-14 RESULTS OF BULK CHEMISTRY ANALYSIS FOR DANIEL ISLAND MARINE CARGO TERMINAL:
DIOXINS AND FURANS**

dry weight (ng/kg)	MDL	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	
Dioxins													
2,3,7,8-TCDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDD	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDD	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	0.2	ND	ND	ND	ND	ND	ND	ND	7.1	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	0.2	24.7	27.5	21.3	22.6	7.0	3.8 J	25.1	44.7	13.6	24.9	18.8	6.2
OCDD	1	204.6	148.2	222.6	126.9	69.0	59.5	230.7	428.9	142.3	160.1	153.8	33.5
Furans													
2,3,7,8-TCDF	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDF	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,7,8-PeCDF	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDF	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDF	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6,7,8-HxCDF	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OCDF	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MDL = Method Detection Limit

ND = Not Detected

J = The analyte was detected at concentrations between the calibrated range and the detection limit.

Shaded values represent concentrations that exceed the reference value.

TEQs	TEF	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	
Dioxins													
2,3,7,8-TCDD	1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-PeCDD	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-HxCDD	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-HxCDD	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-HxCDD	0.1	-	-	-	-	-	-	-	0.71	-	-	-	-
1,2,3,4,6,7,8-HpCDD	0.01	0.25	0.27	0.21	0.23	0.07	0.04	0.25	0.45	0.14	0.25	0.19	0.06
OCDD	0.001	0.2	0.15	0.22	0.13	0.07	0.06	0.23	0.43	0.14	0.16	0.15	0.03
Furans													
2,3,7,8-TCDF	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8-PeCDF	0.05	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,7,8-PeCDF	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8-HxCDF	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,6,7,8-HxCDF	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,7,8,9-HxCDF	0.1	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6,7,8-HxCDF	0.1	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,6,7,8-HpCDF	0.01	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3,4,7,8,9-HpCDF	0.01	-	-	-	-	-	-	-	-	-	-	-	-
OCDF	0.001	-	-	-	-	-	-	-	-	-	-	-	-

TOTAL 2,3,7,8-TCDD TOXICITY

(1989 ITEF) EQUIVALENTS (ng/kg): 0.45 0.42 0.43 0.36 0.14 0.1 0.48 1.59 0.28 0.41 0.34 0.09