Table 5-8
Summary Statistics for Mercury, Aroclors and Dioxin-Like PCB Concentrations in Surface Sediment Samples from within USEPA's Preliminary Site Perimeter

Analyte	Number of Samples	Number of Detected Measurements	Detection Frequency	Minimum	Maximum	Mean
PCB Aroclors (µg/kg dw)						
Aroclor 1016	27	0	0%	9.5	7,000	894
Aroclor 1221	27	0	0%	9.5	15,500	1,520
Aroclor 1232	27	0	0%	9.5	9,000	1,170
Aroclor 1242	27	0	0%	9.5	8,000	1,020
Aroclor 1248	27	0	0%	9.5	3,600	451
Aroclor 1254	27	0	0%	9.5	2,750	276
Aroclor 1260	27	0	0%	9.5	3,100	270
Aroclor 1262	27	0	0%	9.5	1,350	120
Aroclor 1268	27	0	0%	9.5	250	48.6
PCB Congeners (ng/kw dw)						
PCB077	31	19	61%	0.635	2,580	200
PCB081	31	6	19%	0.38	64	7.41
PCB105	31	27	87%	4.37	76,600	5,840
PCB114	31	19	61%	0.374	7,750	440
PCB118	31	26	84%	11.8	197,000	14,800
PCB123	31	19	61%	0.486	4,210	259
PCB126	31	4	13%	0.368	160	15.4
PCB156+157	31	26	84%	2.36	51,400	3,100
PCB167	31	22	71%	0.269	14,900	915
PCB169	31	1	3%	0.28	65	5.53
PCB189	31	14	45%	0.434	1,700	133
$TEQ_{P,M}$	31	30	97%	0.046	27.5	2.49
Metals (mg/kg dw)						
Mercury	124	118	95%	0.001	2.83	0.126

Notes

For all calculations, concentrations below the detection limit were set to one-half the detection limit. $TEQ_{DF,M}$ (ND=1/2DL) = Toxicity equivalent for 2,3,7,8-TCDD calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with non detects set at one-half the detection limit.

$TEQ_{P,M}$ = Toxicity equivalent for TCDD calculated for dioxin-like PCBs using mammalian toxicity eqiuvalency factors (Van den Berg et al. 2006).

dw = dry weight

PCB = polychlorinated biphenyl

USEPA = U.S. Environmental Protection Agency