Table 5-3
Summary Statistics for Mercury, Aroclors, and Dioxin-Like PCB Concentrations in Surface Soil Samples from the TxDOT Right-of-Way and North of I-10

Analyte	Units	Number of Samples	Number of Detected Measurements	Detection Frequency	Detected Data		All Data
					Minimum	Maximum	Mean
Area 1							
Aroclor 1016	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1221	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1232	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1242	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1248	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1254	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1260	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1262	µg/kg	3	0	0%	NA	NA	9.50
Aroclor 1268	µg/kg	3	0	0%	NA	NA	9.50
Metals							
Mercury	mg/kg	21	19	90%	0.003	12.9	1.15
Area 2							
Aroclor 1016	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1221	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1232	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1242	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1248	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1254	µg/kg	12	1	8%	130	130	19.5
Aroclor 1260	µg/kg	12	3	25%	24.0	44.0	15.5
Aroclor 1262	µg/kg	12	0	0%	NA	NA	9.50
Aroclor 1268	µg/kg	12	0	0%	NA	NA	9.50
PCB077	ng/kg	12	11	92%	12.5	133	43.7
PCB081	ng/kg	12	3	25%	1.22	4.06	1.34
PCB105	ng/kg	12	11	92%	64.6	4,330	650
PCB114	ng/kg	12	9	75%	3.61	252	34.0
PCB118	ng/kg	12	11	92%	114	10,500	1,440
PCB123	ng/kg	12	9	75%	3.41	154	24.6
PCB126	ng/kg	12	6	50%	2.26	24.5	7.52
PCB156+157	ng/kg	12	11	92%	64.9	1,840	389
PCB167	ng/kg	12	11	92%	26.7	524	131
PCB169	ng/kg	12	3	25%	5.27	9.52	2.50
PCB189	ng/kg	12	10	83%	13.5	105	40.0

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Table 5-3
Summary Statistics for Mercury, Aroclors, and Dioxin-Like PCB Concentrations in Surface Soil Samples from the TxDOT Right-of-Way and North of I-10

Analyte	Units	Number of Samples	Number of Detected Measurements	Detection Frequency	Detected Data		All Data
					Minimum	Maximum	Mean
Metals							
Mercury	mg/kg	12	12	100%	0.004	0.081	0.0259
Area 3							
Aroclor 1016	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1221	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1232	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1242	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1248	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1254	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1260	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1262	µg/kg	0	0	0%	NA	NA	NA
Aroclor 1268	µg/kg	0	0	0%	NA	NA	NA
PCB077	ng/kg	0	0	0%	NA	NA	NA
PCB081	ng/kg	0	0	0%	NA	NA	NA
PCB105	ng/kg	0	0	0%	NA	NA	NA
PCB114	ng/kg	0	0	0%	NA	NA	NA
PCB118	ng/kg	0	0	0%	NA	NA	NA
PCB123	ng/kg	0	0	0%	NA	NA	NA
PCB126	ng/kg	0	0	0%	NA	NA	NA
PCB156+157	ng/kg	0	0	0%	NA	NA	NA
PCB167	ng/kg	0	0	0%	NA	NA	NA
PCB169	ng/kg	0	0	0%	NA	NA	NA
PCB189	ng/kg	0	0	0%	NA	NA	NA
Metals							
Mercury	mg/kg	9	9	100%	0.01	1.89	0.587

Notes

Mean calculations include detected and nondetected values. Nondetected values were set to one-half the detection limit.
Surface is defined as any sample with an upper depth of 0 feet.
NA = not applicable, no detected values
PCB = polychlorianted biphenyl
TxDOT = Texas Department of Transportation