Table D1.5-1. Samples with Greater Than Ten-Fold Difference Between Total Aroclor and Total PCB Congener Results.

Location	Sample ID	River Mile	Total Aroclors (µg/kg)	Total Congeners (µg/kg)
Surface Sediment				
G025	LW2-G025	2.4	432 T	9780 T
G147	LW2-G147	4.7	15.1 T	153 T
GCRSP11E	LW3-GCRSP11E	11.3	900 T	10.7 JT
GCA12W	LW3-GCA12W-C00	11.9	5.5 JT	62.5 JT
UG02C	LW3-UG02C	16.7	52.8 JT	2.57 JT
Subsurface Sediment				
C025-1	LW2-C025-C1	2.4	7170 JT	0.291 JT
C019-1	LW2-C019-C1	2.9	96.2 JT	1160 JT
C266	LW2-C266-C	6.5	79.5 JT	0.00252 JT
C703	LW3-C703-D	8	0.88 JT	0.0418 JT
C724	LW3-C724-E	8.7	1.7 JT	0.0719 JT
Sediment Trap Samples				
ST007	LW3-ST-2007	11.3	71 JT	840 T

Notes:

Qualifier Definitions:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

PCB - polychlorinated biphenyl

Table D1.5-2. Summary of RPDs and Ratios for Total Aroclors and Total PCB Congeners in Field Samples and Field and Laboratory Duplicates.

Sample Type	Number of Samples	Maximum RPD [a]	Mean RPD [a]	Median RPD [a]	95th percentile	Minimum Ratio [b]	Maximum Ratio [b]	Mean Ratio [b]	Median Ratio [b]
Samples Analyzed by Both PCB Methods									
Total Aroclors and Total PCB Congeners									
Surface Sediment	241	195%	53%	41%	152%	0.044	84	1.9	1.1
Subsurface Sediment	122	200%	53%	45%	141%	0.083	31548	462	0.84
Biota	51	142%	35%	24%	100%	0.17	3.1	0.98	0.87
Sediment Trap Samples	30	169%	55%	51%	131%	0.085	5.2	1.3	0.88
Field Duplicates									
Total Aroclors									
Surface Sediment	16	79%	23%	13%	70%	0.50	2.3	1.1	1.0
Subsurface Sediment	11	199%	55%	29%	180%	0.11	331	31	1.1
Biota	--	--	--	--	--	--	--	--	--
Sediment Trap Samples	3	39%	--	--	--	0.68	1.2	--	--
Total PCB Congeners									
Surface Sediment	8	102%	27%	11%	84%	0.33	1.4	0.94	1.0
Subsurface Sediment	2	91%	--	--	--	0.37	0.61	--	--
Biota	10	88%	14%	5%	56%	0.85	2.58	1.16	1.01
Sediment Trap Samples	3	16%	--	--	--	0.95	0.96	--	--
Laboratory Precision									
Total Aroclors, MS/MSDs									
Surface Sediment	87	170%	13%	9%	37%	0.08	1.5	0.98	0.98
Subsurface Sediment	92	57%	9%	5%	32%	0.56	1.7	1.00	1.00
Biota	16	32%	9%	7%	30%	0.74	1.4	1.0	1.0
Sediment Trap Samples	6	40%	11%	6%	32%	0.94	1.5	1.1	1.0
Total PCB Congeners, Laboratory Duplicates									
Surface Sediment	19	166%	31%	12%	133%	0.094	1.3	0.86	0.94
Subsurface Sediment	9	130%	44%	43%	111%	0.21	1.7	0.90	1.0
Biota	11	11%	3%	2%	9%	0.90	1.1	1.0	1.0
Sediment Trap Samples	4	84%	36%	27%	76%	0.41	1.0	0.74	0.76

Notes:

[a] RPD is the difference between duplicate results divided by the average of the duplicate results, expressed as a percentage

[b] Ratio of the total Aroclor concentration to the total PCB congener concentration for samples analyzed by both methods; ratio of duplicate to parent sample for field and laboratory duplicates and MS/MSD.

MS/MSD - matrix spike/matrix spike duplicate
RPD - relative percent difference