Table 6-5
Chemical Analysis Hierarchical Prioritization[a]
and Weight Requirements For Sediment Samples
and Associated Laboratory QC Samples

Number	Analyses	Desired Minimum Sample Weight Wet (g)	Cumulative Weight Wet (g)	Sample Weight for QC Samples[c]		
				MS Weight Wet (g)	MSD Weight Wet (g)	Duplicate Weight Wet (g)
---	Volatile Organics/Percent Moisture[b]	15/5	20	15	15	NA
1	PCDDs/PCDFs	100	120	100	100	NA
2	PCB Congeners and Homologues	100	220	100	100	NA
3	Pesticides and Aroclor PCBs	80	300	80	80	NA
4	Semivolatile Organics	80	380	80	80	NA
5	Mercury	5	385	5	NA	5
6	Inorganics	45	430	45	NA	45
7	Herbicides	80	510	80	120	NA
8	Cyanide	40	550	40	NA	40
9	TEPH	80	630	80	80	NA
10	Total Organic Carbon (TOC)	40	670	40	40	NA
11	Organotins	35	705	30	30	NA
12	Grain Size	10	715	NA	NA	NA
13	Percent Moisture	10	725	NA	NA	NA
	Total	725	- -	695	605	90

Notes:

a. For a given sample, if insufficient mass is obtained to complete all of the listed analyses, then collect Volatile Organics/Percent Moisture and proceed to collect samples in sequence in this table, beginning with Item Number 1.

b. Samples for volatile organic analysis and percent moisture (for the volatile organics) must be collected prior to homogenization.

c. QC sample weights are in addition to desired minimums listed. QC samples do not need to be obtained from the same field sample for all analytical groups.

g = grams

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

QC = Quality Control