

PCB Blank Correction Example

Sample results are "corrected" to account for laboratory contamination. If a sample result is within a certain factor of the laboratory blank, it is removed from the total. A "3X" blank correction identifies congeners that are less than three times the associated blank result and counts these congeners as zero when totaling.

The following is a simplified example to demonstrate the concept:

Laboratory Results			No Correction	3X Blank Correction			10X Blank Correction				
Congener	Lab Blank	Sample	"0X"	3*Blank	Sample	Corrected	10*Blank	Sample	Corrected		
Congener 1	ND	100	100	ND	100	100	ND	100	100		
Congener 2	5	100	100	15	100	100	50	100	100		
Congener 3	25	100	100	75	100	100	250	100	0		
Congener 4	50	100	100	150	100	0	500	100	0		
Congener 5	100	100	100	300	100	0	1000	100	0		
TOTAL			500				300				200