

6 APPENDIX

Tables and figures that were not shown in the text above are listed below.

6.1 TABLES

Table 6-1 shows endotoxin recovery of radiated and non-radiated filter pieces. For detailed information see 2.2.4.4.

TABLE 6-1 ENDOTOXIN ACTIVITY ON Co60- / NOT RADIATED FILTER PIECES

Type of Filter	Recovered Endotoxin (EU)	
	Radiated	Non Radiated
Glass fiber	487.8	770.4
	79.4	586.8
	772.2	547.2
	392.4	540.0
	133.2	612.0
Synthetic fiber	153.0	235.8
	415.8	466.2
	37.8	527.4
	50.4	244.8
	181.8	259.2
Cellulose fiber	61.2	37.8
	55.8	64.8
	19.8	19.8
	27.0	1.8
	106.2	1.8

For explanation please see Results 4.6.1.

TABLE 6-2 ENDOTOXIN ACTIVITY IN PTTs WITH DIFFERENT CONTAMINATIONS AND EXTRACTION METHODS

Extraction procedure	T/U/LPS 2,000	T/S/LPS 2,000	P/U/LPS 2,000	P/S/LPS 2,000
Mean	739 EU	990.7 EU	1664.3 EU	2060 EU
Standard error mean	265.0 EU	323.8 EU	187.1 EU	378 EU
Median	650 EU	812 EU	1507 EU	2060 EU
Standard deviation	459.0 EU	560.8 EU	324.0 EU	534.6 EU
Number of vials	3	3	3	2
Confidence interval (95%)	±519.4 EU	±634.6 EU	±366.7 EU	±740.9 EU

Extraction procedure	T/U/LPS 200	T/S/LPS 200	P/U/LPS 200	P/S/LPS 200
Mean	152.3 EU	90.7 EU	44.3 EU	104.3 EU
Standard error mean	20.7 EU	26.7 EU	2.8 EU	43.8 EU
Median	143 EU	109 EU	42 EU	72 EU
Standard deviation	35.9 EU	46.3 EU	4.9 EU	75.9 EU
Number of vials	3	3	3	3
Confidence interval (95%)	±40.6 EU	±52.4 EU	±5.6 EU	±85.8 EU

Extraction procedure	T/U/ <i>P.aeruginosa</i>	T/S/ <i>P.aeruginosa</i>	P/U/ <i>P.aeruginosa</i>	P/S/ <i>P.aeruginosa</i>
Mean	1244 EU	2072.8 EU	259.2 EU	326.8 EU
Standard error mean	349.6 EU	1116.1 EU	201.2 EU	15.6 EU
Median	1580 EU	1235 EU	63.3 EU	323.6 EU
Standard deviation	605.5 EU	1933.1 EU	348.4 EU	27.0 EU
Number of vials	3	3	3	3
Confidence interval (95%)	±685.2 EU	±2187.5 EU	±394.3 EU	±30.6 EU

Extraction procedure	T/U/Dust	T/S/Dust	P/U/Dust	P/S/Dust
Mean	610.3 EU	283.7 EU	460 EU	166.7 EU
Standard error mean	217.9 EU	72.3 EU	153.7 EU	50.4 EU
Median	721 EU	341 EU	430 EU	190 EU
Standard deviation	377.4 EU	125.3 EU	266.3 EU	87.4 EU
Number of vials	3	3	3	3
Confidence interval (95%)	±427.0 EU	±141.7 EU	±301.3 EU	±98.9 EU

T = Tween 20,

P = TAP buffer,

U = sonication,

S = shaking

6.2 FIGURES

Recovered endotoxin on ½ filter pieces is shown in Figure 6-1 till

FIGURE 6-11 ACTIVITY MEASURED ON ½ SYNTHETIC FIBER FILTER WITH SONICATION AND TAP

. For explanation see 3.1.1. No value express filter with failed spikes, 0.0 EU indicate a recovered activity below the detection limit of the LAL test (<0.005 EU/ml).

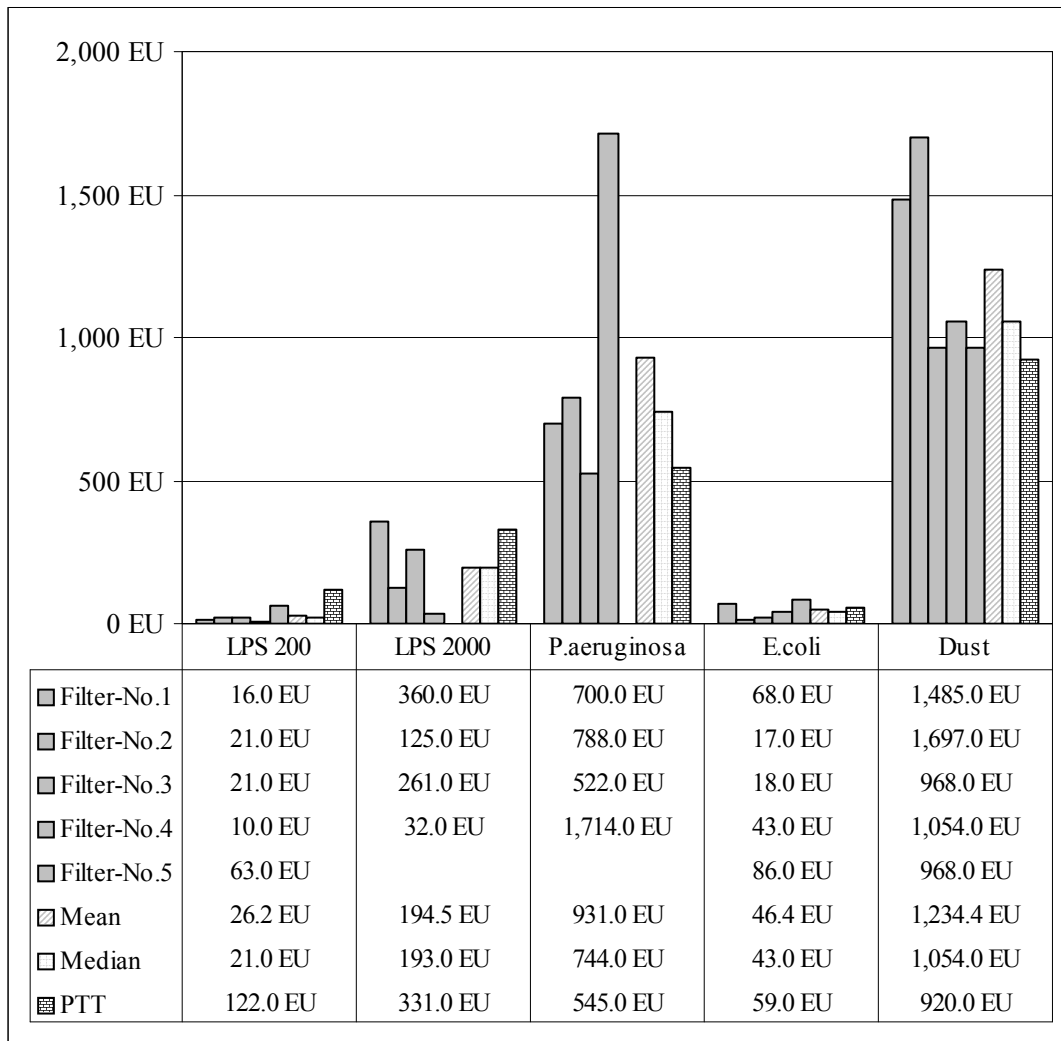


FIGURE 6-1 ACTIVITY MEASURED ON 1/2 GLASS FIBER FILTER WITH SONICATION AND TWEEN

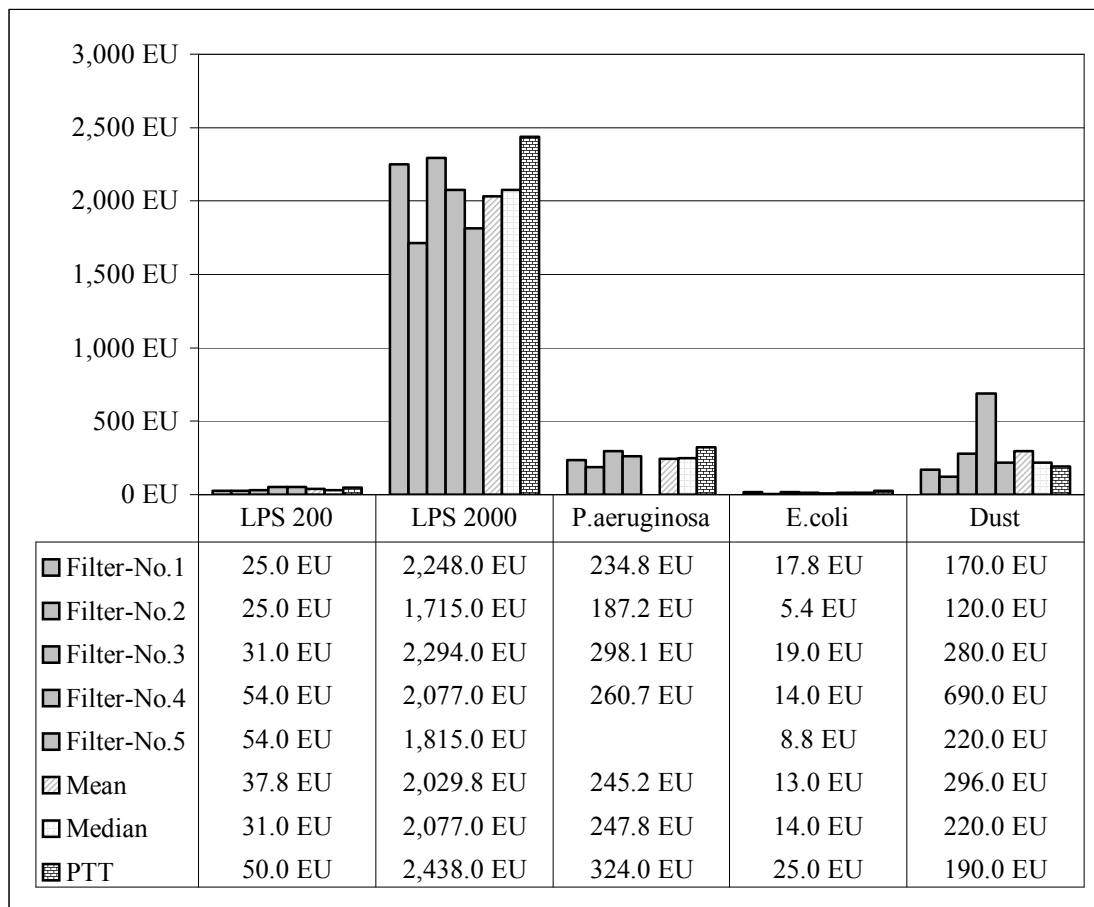


FIGURE 6-2 ACTIVITY MEASURED ON ½ GLASS FIBER FILTER WITH SHAKING AND TAP

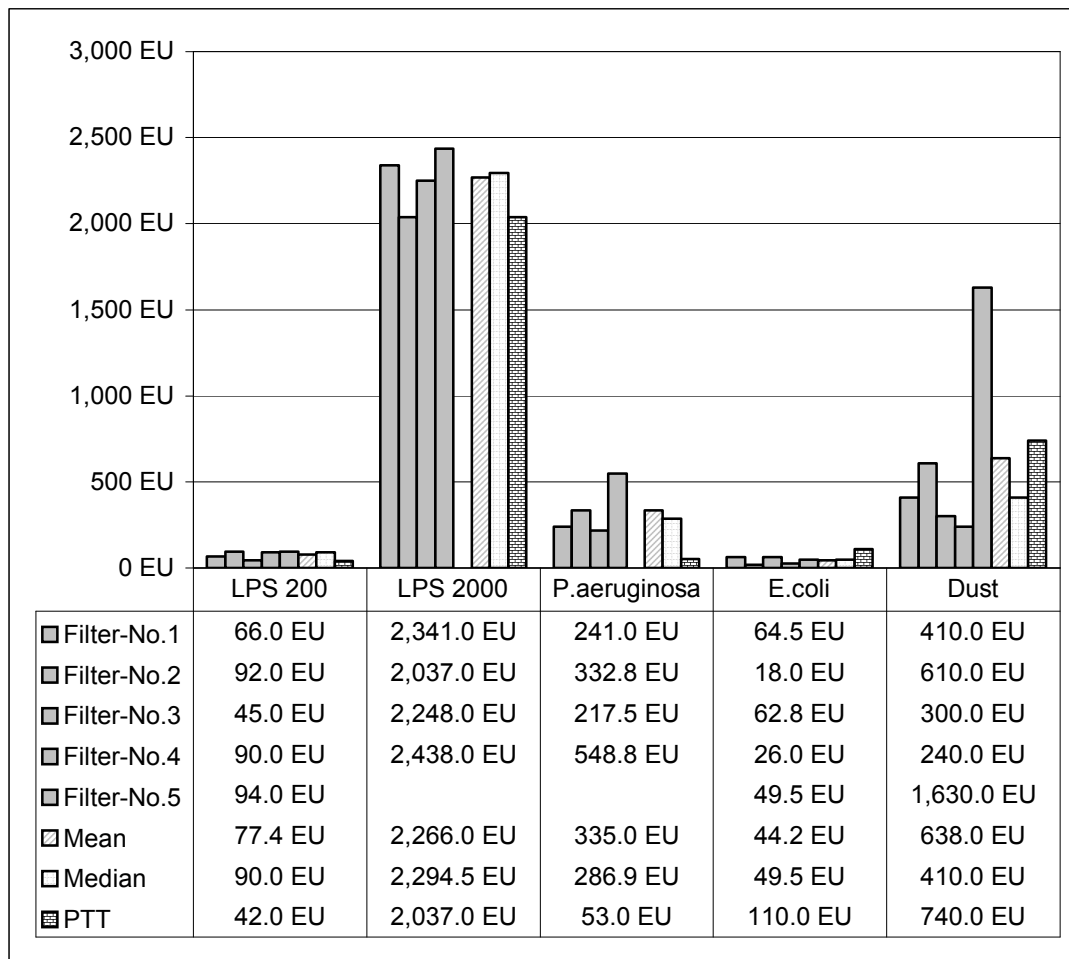


FIGURE 6-3 ACTIVITY MEASURED ON ½ GLASS FIBER FILTER WITH SONICATION AND TAP

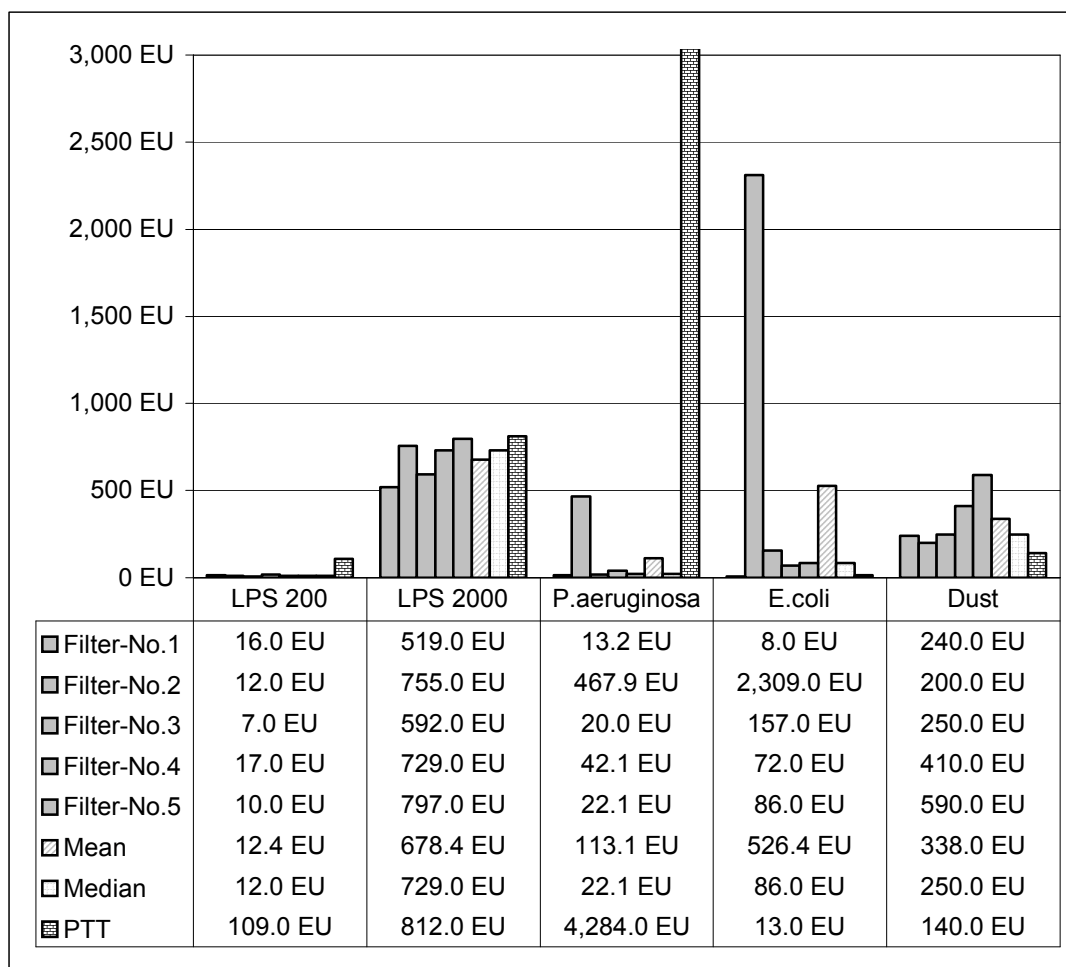


FIGURE 6-4 ACTIVITY MEASURED ON 1/2 CELLULOSE FIBER FILTER WITH SHAKING AND TWEEN

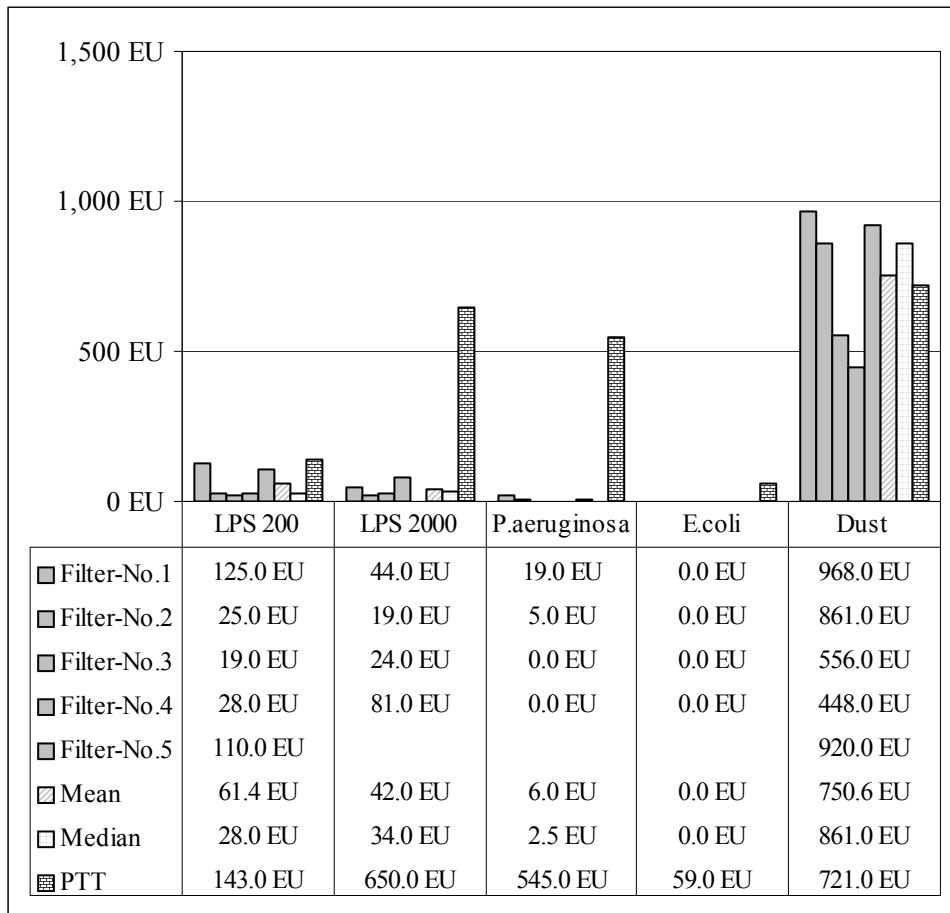


FIGURE 6-5 ACTIVITY MEASURED ON 1/2 CELLULOSE FIBER FILTER WITH SONICATION AND TWEEN

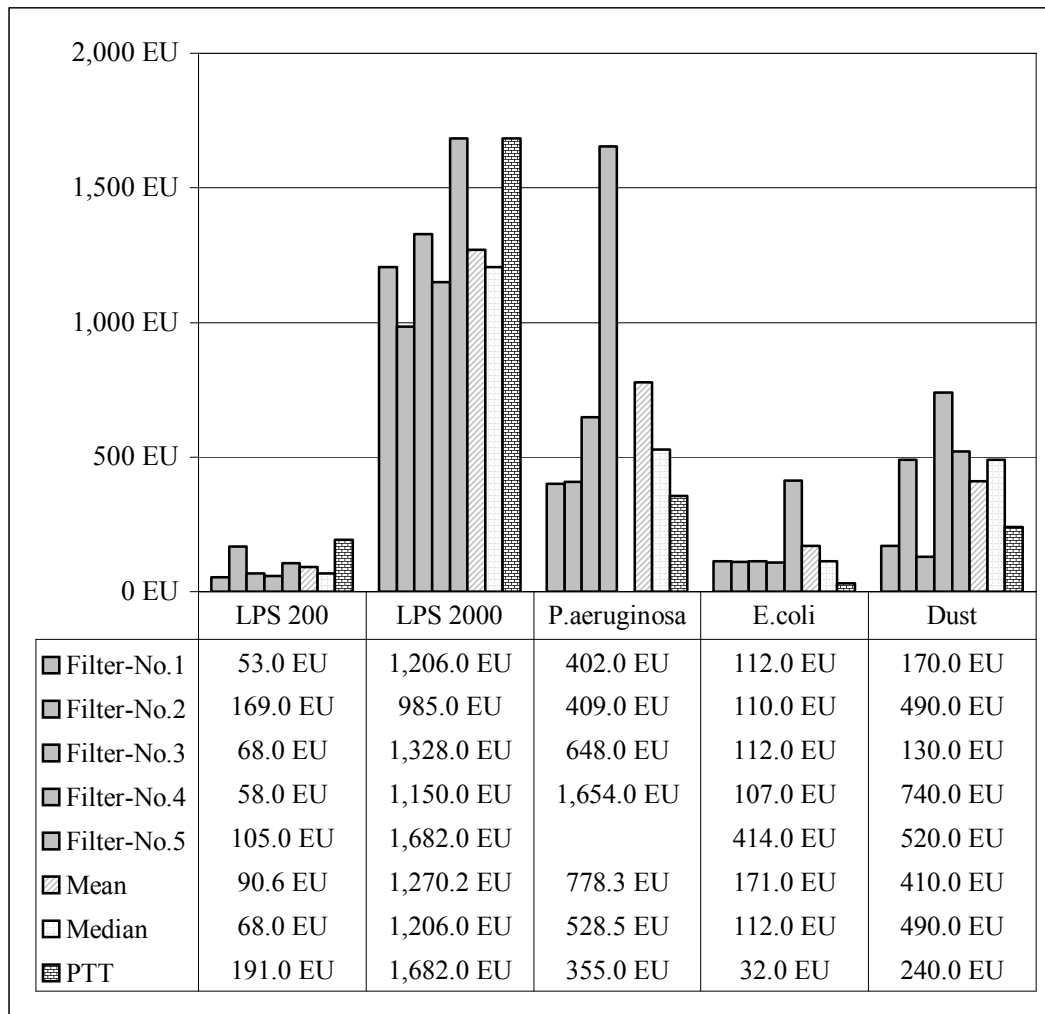


FIGURE 6-6 ACTIVITY MEASURED ON 1/2 CELLULOSE FIBER FILTER WITH SHAKING AND TAP

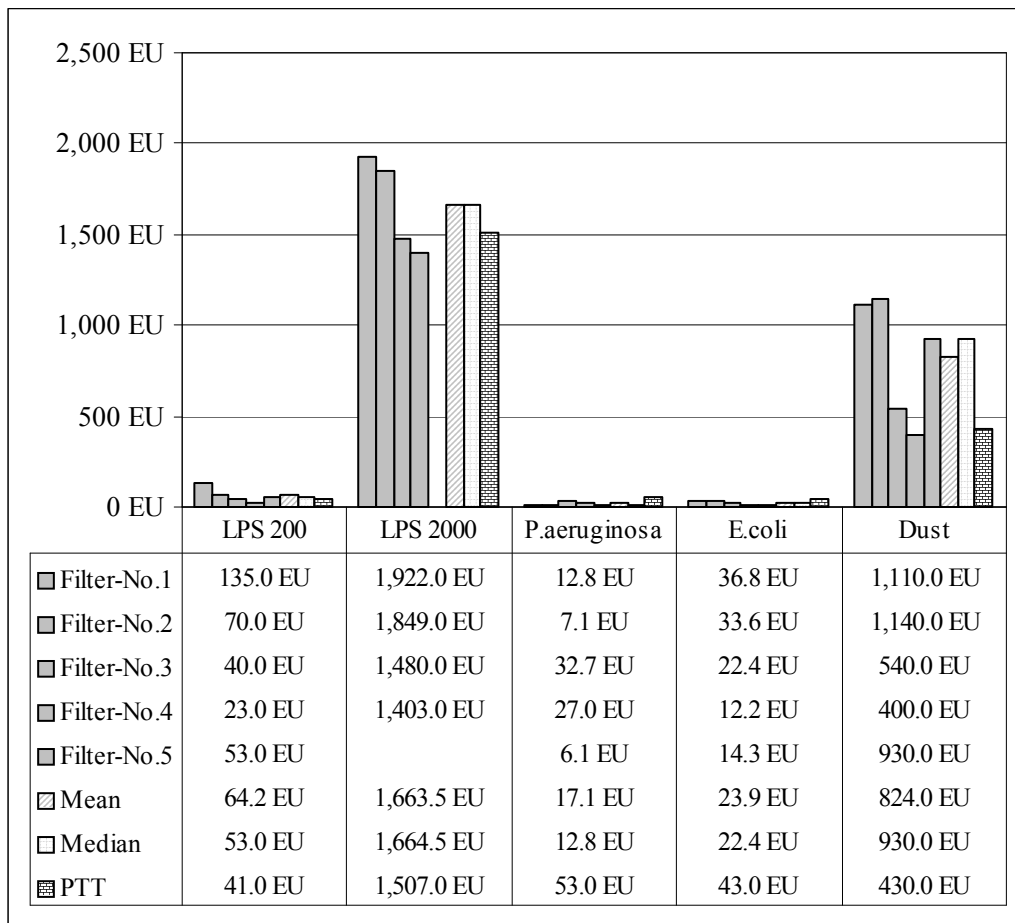


FIGURE 6-7 ACTIVITY MEASURED ON 1/2 CELLULOSE FIBER FILTER WITH SONICATION AND TAP

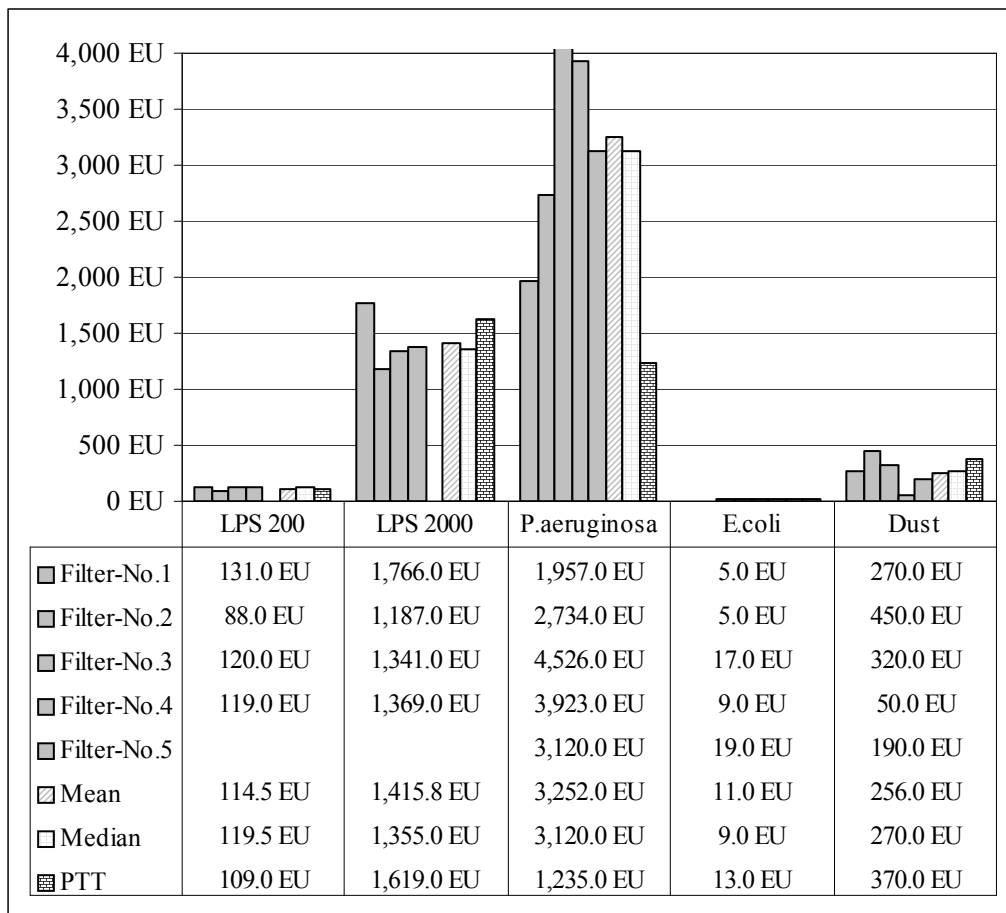


FIGURE 6-8 ACTIVITY MEASURED ON 1/2 SYNTHETIC FIBER FILTER WITH SHAKING AND TWEEN

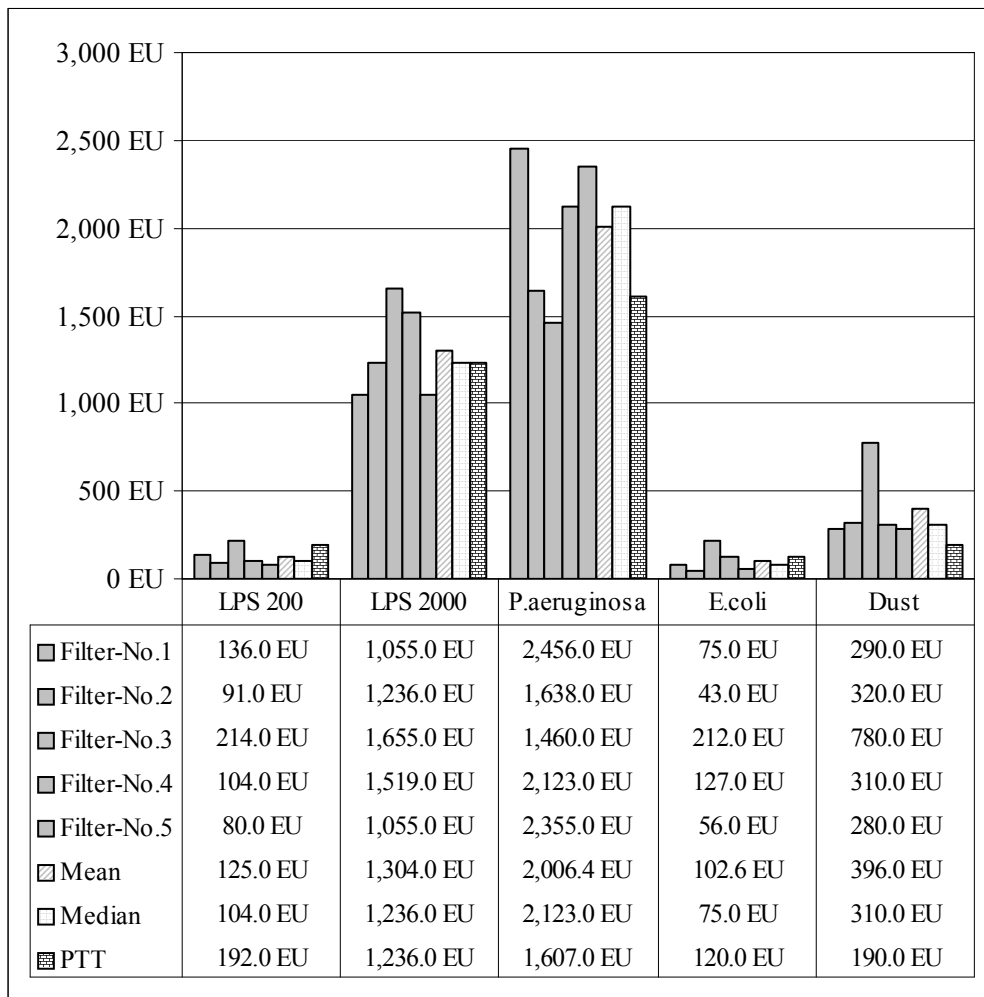


FIGURE 6-9 ACTIVITY MEASURED ON ½ SYNTHETIC FIBER FILTER WITH SONICATION AND TWEEN

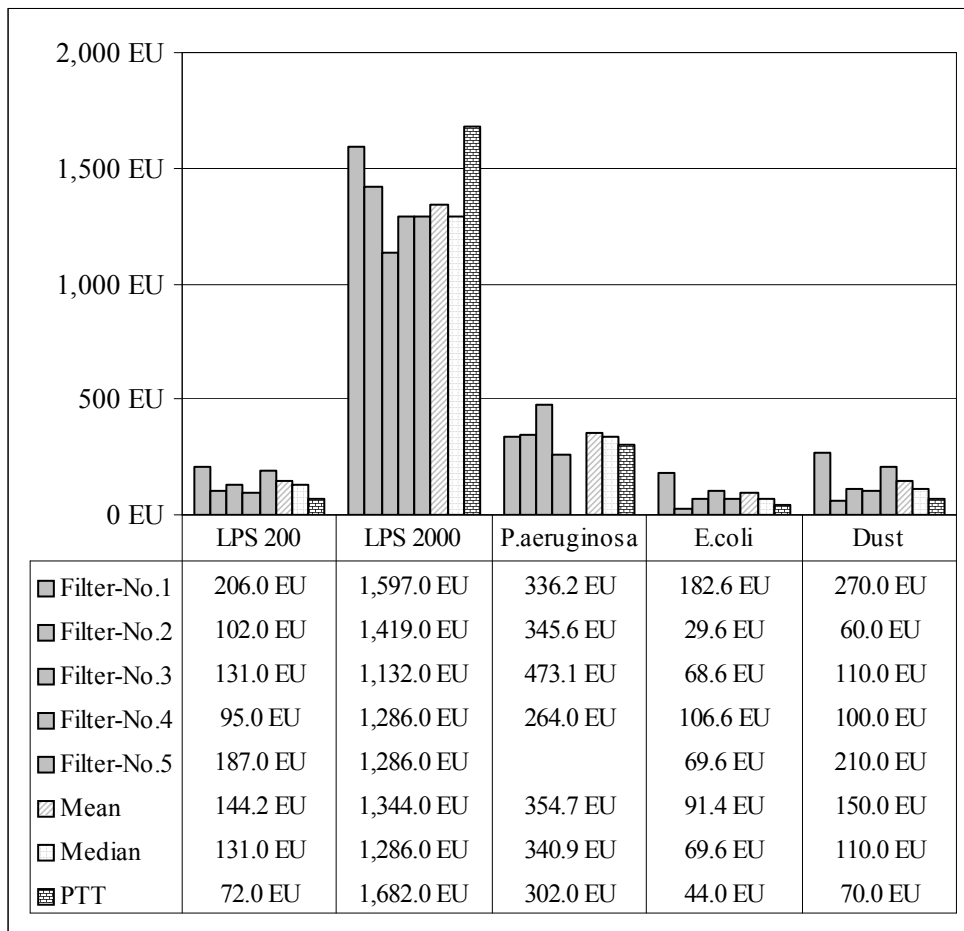


FIGURE 6-10 ACTIVITY MEASURED ON 1/2 SYNTHETIC FIBER FILTER WITH SHAKING AND TAP

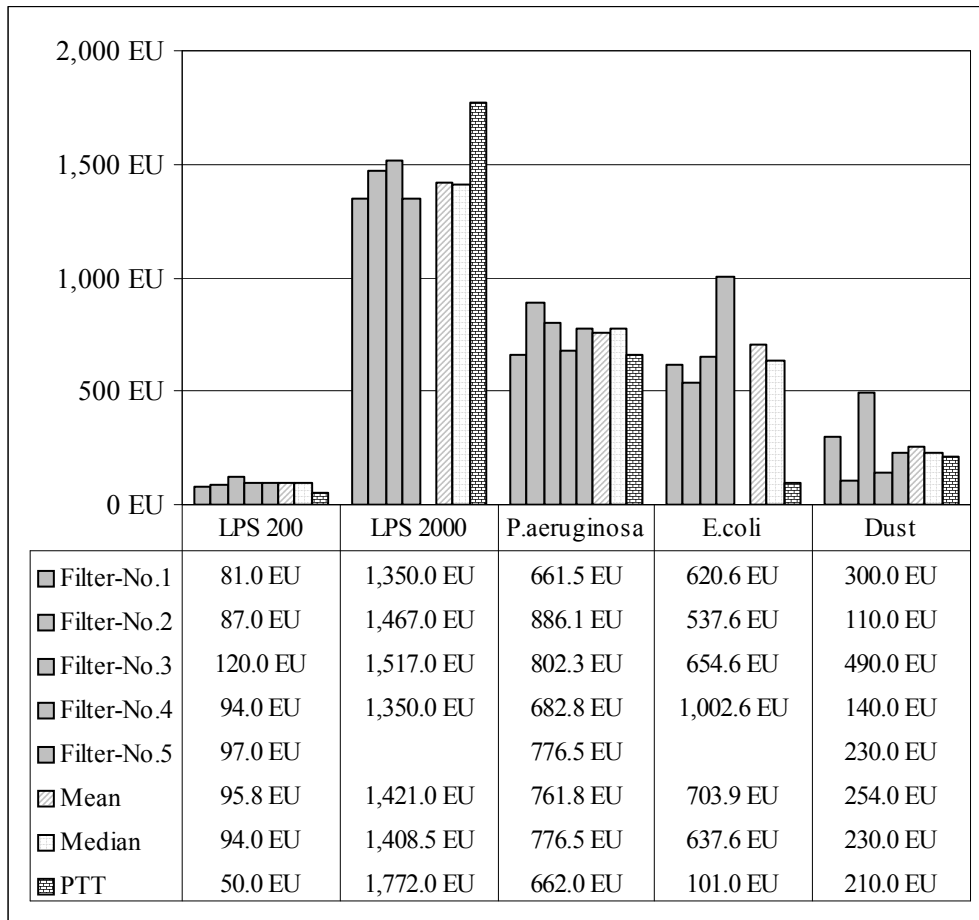


FIGURE 6-11 ACTIVITY MEASURED ON 1/2 SYNTHETIC FIBER FILTER WITH SONICATION AND TAP