

**Table S2.** Microbiological contamination of the leachetes in the tested landfill

No.	Number of microorganisms, CFU ml <sup>-1</sup>								
	Psychrophilic bacteria	Mesophilic bacteria	Fungi	Actinomycetes	Haemolytic Staphylococci	<i>Enterobacteriaceae</i>	Mannitol-positive Staphylococci	<i>Pseudomonas fluorescens</i>	Sulfate reducing anaerobes
1	M:1.18x10 <sup>6</sup>	M:7.07x10 <sup>5</sup>	M:3.67x10 <sup>1</sup>	M:7.67x10 <sup>1</sup>	M:1.07x10 <sup>4</sup>	M:7.00x10 <sup>3</sup>	M:1.47x10 <sup>4</sup>	M:1.33x10 <sup>1</sup>	M:1.70x10 <sup>3</sup>
	SD:9.45x10 <sup>4</sup>	SD:1.89x10 <sup>5</sup>	SD:5.77x10 <sup>0</sup>	SD:5.77x10 <sup>0</sup>	SD:5.77x10 <sup>2</sup>	SD:2.00x10 <sup>3</sup>	SD:1.53x10 <sup>3</sup>	SD:5.77x10 <sup>0</sup>	SD:4.58x10 <sup>2</sup>
2	M:1.74x10 <sup>6</sup>	M:8.57x10 <sup>5</sup>	M:6.67x10 <sup>1</sup>	M:8.67x10 <sup>1</sup>	M:1.27x10 <sup>4</sup>	M:1.43x10 <sup>4</sup>	M:1.20x10 <sup>4</sup>	M:6.67x10 <sup>0</sup>	M:3.83x10 <sup>3</sup>
	SD:4.58x10 <sup>4</sup>	SD:2.08x10 <sup>4</sup>	v5.77x10 <sup>0</sup>	SD:5.77x10 <sup>0</sup>	SD:1.15x10 <sup>3</sup>	SD:4.04x10 <sup>3</sup>	SD:2.00x10 <sup>3</sup>	SD:5.77x10 <sup>0</sup>	SD:3.06x10 <sup>2</sup>
3	M:2.69x10 <sup>6</sup>	M:1.18x10 <sup>6</sup>	M:3.67x10 <sup>1</sup>	M:1.80x10 <sup>2</sup>	M:3.33x10 <sup>3</sup>	M:7.33x10 <sup>3</sup>	M:4.33x10 <sup>3</sup>	M:3.00x10 <sup>3</sup>	M:6.37x10 <sup>3</sup>
	SD:3.00x10 <sup>4</sup>	SD:2.75x10 <sup>5</sup>	SD:5.77x10 <sup>0</sup>	SD:3.00x10 <sup>1</sup>	SD:1.15x10 <sup>3</sup>	SD:1.53x10 <sup>3</sup>	SD:5.77x10 <sup>2</sup>	SD:1.00x10 <sup>3</sup>	SD:1.10x10 <sup>3</sup>
4	M:5.00x10 <sup>4</sup>	M:5.33x10 <sup>4</sup>	M:4.67x10 <sup>1</sup>	M:2.10x10 <sup>2</sup>	M:4.33x10 <sup>3</sup>	M:7.33x10 <sup>1</sup>	M:7.33x10 <sup>3</sup>	M:1.33x10 <sup>1</sup>	M:2.97x10 <sup>3</sup>
	SD:1.00x10 <sup>4</sup>	SD:3.51x10 <sup>4</sup>	SD:5.77x10 <sup>0</sup>	SD:3.00x10 <sup>1</sup>	SD:5.77x10 <sup>2</sup>	SD:5.77x10 <sup>0</sup>	SD:1.53x10 <sup>3</sup>	SD:5.77x10 <sup>0</sup>	SD:1.38x10 <sup>3</sup>
5	M:3.33x10 <sup>4</sup>	M:3.37x10 <sup>3</sup>	M:8.00x10 <sup>1</sup>	M:8.67x10 <sup>1</sup>	M:6.67x10 <sup>2</sup>	M:2.23x10 <sup>2</sup>	M:1.67x10 <sup>3</sup>	M:1.33x10 <sup>1</sup>	M:5.83x10 <sup>1</sup>
	SD:5.77x10 <sup>3</sup>	SD:8.08x10 <sup>2</sup>	SD:2.00x10 <sup>1</sup>	SD:3.06x10 <sup>1</sup>	SD:5.77x10 <sup>2</sup>	SD:6.51x10 <sup>1</sup>	SD:5.77x10 <sup>2</sup>	SD:5.77x10 <sup>0</sup>	SD:1.42x10 <sup>1</sup>

M - mean; SD - standard deviation