

Landfill Leachate — 2021-05-20

Sample Overview

Site	Landfill Leachate
Date sampled	2021-05-20
Report type	Standard WW

Functional Traits by Genus

Name	Rel. freq. %	AOO	NOB	ANMX	Denite	SOB	SRB	PAO	GAO	NF Bulking	FOA	FIL	C1s
Sum (rel. freq. %)	—	0.0%	0.0%	0.0%	20.3%	5.6%	5.5%	4.2%	0.0%	0.4%	0.0%	0.8%	0.1%
Bacillus	12.5%	—	—	—	✓	—	—	—	—	—	—	—	—
Subdoligranulum	8.2%	—	—	—	—	—	—	—	—	—	—	—	—
Megasphaera	6.9%	—	—	—	—	—	—	—	—	—	—	—	—
Proteiniphilum	5.8%	—	—	—	—	—	—	—	—	—	—	—	—
Desulfosporosinus	5.5%	—	—	—	—	✓	✓	—	—	—	—	—	—
Anaerofilum	4.8%	—	—	—	—	—	—	—	—	—	—	—	—
Corynebacterium	3.9%	—	—	—	—	—	—	✓	—	—	—	—	—
Thermomonas	3.6%	—	—	—	✓	—	—	—	—	—	—	—	—
Propionibacterium	2.3%	—	—	—	✓	—	—	—	—	—	—	—	—
Acidaminococcus	2.0%	—	—	—	—	—	—	—	—	—	—	—	—
TM7a	1.9%	—	—	—	—	—	—	—	—	—	—	—	—
Faecalibacterium	1.3%	—	—	—	—	—	—	—	—	—	—	—	—
Shewanella	1.1%	—	—	—	✓	—	—	—	—	—	—	—	—
Succinivibrio	1.0%	—	—	—	—	—	—	—	—	—	—	—	—
Acetitomaculum	0.6%	—	—	—	—	—	—	—	—	—	—	—	—
midas_g_3711	0.6%	—	—	—	—	—	—	—	—	—	—	—	—
midas_g_591	0.6%	—	—	—	—	—	—	—	—	—	—	—	—
Caproiciproducens	0.5%	—	—	—	—	—	—	—	—	—	—	—	—
Trichococcus	0.5%	—	—	—	—	—	—	—	—	—	—	✓	—
Brooklawnia	0.4%	—	—	—	—	—	—	—	—	—	—	—	—
Lysinibacillus	0.4%	—	—	—	—	—	—	—	—	—	—	—	—
Thauera	0.4%	—	—	—	✓	—	—	—	—	✓	—	—	—
Limnobacter	0.3%	—	—	—	—	—	—	—	—	—	—	—	—
Pseudoclavibacter	0.3%	—	—	—	—	—	—	—	—	—	—	—	—
Stenotrophomonas	0.3%	—	—	—	—	—	—	—	—	—	—	—	—
Tetrasphaera	0.3%	—	—	—	—	—	—	✓	—	—	—	✓	—

Bacteria

Kingdom	Phylum	Class	Order	Family	Genus	Rel. freq. %
Bacteria	—	—	—	—	—	0.3%
Bacteria	Actinobacteriota	Acidimicrobiia	Actinomarinales	midas_f_591	midas_g_591	0.6%
Bacteria	Actinobacteriota	Actinobacteria	—	—	—	0.1%
Bacteria	Actinobacteriota	Actinobacteria	Actinomycetales	Actinomycetaceae	—	0.3%
Bacteria	Actinobacteriota	Actinobacteria	Actinomycetales	Actinomycetaceae	midas_g_343	0.3%
Bacteria	Actinobacteriota	Actinobacteria	Actinomycetales	Actinomycetaceae	midas_g_951	0.1%
Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	—	—	0.1%
Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium	3.9%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	—	—	0.7%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Intrasporangiaceae	Tetrasphaera	0.3%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	—	0.9%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	Leucobacter	0.1%
Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	Pseudoclavibacter	0.3%
Bacteria	Actinobacteriota	Actinobacteria	Propionibacteriales	Propionibacteriaceae	—	0.5%
Bacteria	Actinobacteriota	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Brooklawnia	0.4%
Bacteria	Actinobacteriota	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Propionibacterium	2.3%
Bacteria	Actinobacteriota	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Tessaracoccus	0.1%
Bacteria	Actinobacteriota	Coriobacteriia	Coriobacteriales	Atopobiaceae	Atopobium	0.1%
Bacteria	Actinobacteriota	Rubrobacteria	Rubrobacterales	Rubrobacteriaceae	Rubrobacter	0.2%
Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	—	—	0.1%
Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Dysgonomonadaceae	—	0.1%
Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Dysgonomonadaceae	Proteiniphilum	5.8%
Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Tannerellaceae	—	0.1%
Bacteria	Chloroflexi	Anaerolineae	SBR1031	midas_f_184	midas_g_184	0.1%
Bacteria	Dadabacteria	Dadabacteriia	Dadabacteriales	midas_f_603	midas_g_603	0.2%
Bacteria	Deinococcota	Deinococci	Deinococcales	Trueperaceae	Truepera	0.2%
Bacteria	Firmicutes	—	—	—	—	0.5%
Bacteria	Firmicutes	Bacilli	—	—	—	3.2%
Bacteria	Firmicutes	Bacilli	Bacillales	—	—	0.6%
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	—	0.1%
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	12.5%
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus	0.4%
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Sporosarcina	0.1%

Kingdom	Phylum	Class	Order	Family	Genus	Rel. freq. %
Bacteria	Firmicutes	Bacilli	Erysipelotrichales	Erysipelatoclostridiaceae	—	0.5%
Bacteria	Firmicutes	Bacilli	Erysipelotrichales	Erysipelatoclostridiaceae	Erysipelatoclostridium	0.1%
Bacteria	Firmicutes	Bacilli	Erysipelotrichales	Erysipelotrichaceae	Erysipelothrix	0.2%
Bacteria	Firmicutes	Bacilli	Lactobacillales	—	—	0.1%
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Carnobacterium	0.1%
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Trichococcus	0.5%
Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	0.1%
Bacteria	Firmicutes	Bacilli	Staphylococcales	Staphylococcaceae	Staphylococcus	0.1%
Bacteria	Firmicutes	Clostridia	Caldicoprobacterales	Caldicoprobacteraceae	Caldicoprobacter	0.1%
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium_sensu_stricto_7	0.1%
Bacteria	Firmicutes	Clostridia	Eubacteriales	Eubacteriaceae	Acetobacterium	0.1%
Bacteria	Firmicutes	Clostridia	Eubacteriales	Eubacteriaceae	Eubacterium	0.1%
Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	—	0.9%
Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	Acetitomaculum	0.6%
Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	Blautia	0.2%
Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	Fusicatenibacter	0.2%
Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	Ruminococcus_torques_group	0.2%
Bacteria	Firmicutes	Clostridia	Oscillospirales	—	—	0.1%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Butyricoccaceae	—	0.3%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Oscillospiraceae	—	0.7%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Oscillospiraceae	NK4A214_group	0.1%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	—	2.4%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	Anaerofilum	4.8%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	Caproiciproducens	0.5%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	Faecalibacterium	1.3%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	Subdoligranulum	8.2%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	midas_g_2631	0.1%
Bacteria	Firmicutes	Clostridia	Oscillospirales	Ruminococcaceae	midas_g_26351	0.2%
Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Sedimentibacteraceae	Sedimentibacter	0.1%
Bacteria	Firmicutes	Desulfitobacteriia	Desulfitobacteriales	—	—	0.3%
Bacteria	Firmicutes	Desulfitobacteriia	Desulfitobacteriales	Desulfitobacteriaceae	Desulfosporosinus	5.5%
Bacteria	Firmicutes	Desulfitobacteriia	Desulfitobacteriales	Syntrophobotulaceae	—	0.1%
Bacteria	Firmicutes	Desulfitobacteriia	Desulfitobacteriales	Syntrophobotulaceae	Syntrophobotulus	0.1%
Bacteria	Firmicutes	Negativicutes	Acidaminococcales	Acidaminococcaceae	—	1.2%
Bacteria	Firmicutes	Negativicutes	Acidaminococcales	Acidaminococcaceae	Acidaminococcus	2.0%
Bacteria	Firmicutes	Negativicutes	Acidaminococcales	Acidaminococcaceae	Phascolarctobacterium	0.1%

Kingdom	Phylum	Class	Order	Family	Genus	Rel. freq. %
Bacteria	Firmicutes	Negativicutes	Acidaminococcales	Acidaminococcaceae	Succiniclasticum	0.2%
Bacteria	Firmicutes	Negativicutes	Acidaminococcales	Acidaminococcaceae	midas_g_3711	0.6%
Bacteria	Firmicutes	Negativicutes	Veillonellales-Selenomonadales	Selenomonadaceae	—	0.2%
Bacteria	Firmicutes	Negativicutes	Veillonellales-Selenomonadales	Selenomonadaceae	Mitsuokella	0.1%
Bacteria	Firmicutes	Negativicutes	Veillonellales-Selenomonadales	Veillonellaceae	Dialister	0.2%
Bacteria	Firmicutes	Negativicutes	Veillonellales-Selenomonadales	Veillonellaceae	Megasphaera	6.9%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	—	—	2.6%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	Saccharimonadaceae	—	0.3%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	Saccharimonadaceae	TM7a	1.9%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	midas_f_728	—	1.3%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	midas_f_728	midas_g_10148	0.1%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	midas_f_728	midas_g_6162	0.1%
Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	midas_f_728	midas_g_8176	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	—	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Pedomicrobium	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	—	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Aquamicrobium	0.2%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Mesorhizobium	0.1%
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Amaricoccus	0.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Burkholderiaceae	Limnobacter	0.3%
Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Rhodocyclaceae	Thauera	0.4%
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	—	—	0.3%
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Aeromonadaceae	Aeromonas	0.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Shewanellaceae	Shewanella	1.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Succinivibrionaceae	Succinivibrio	1.0%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	—	—	0.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	—	6.9%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Lysobacter	0.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudoxanthomonas	0.1%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas	0.3%
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Thermomonas	3.6%
Bacteria	Spirochaetota	Spirochaetia	Spirochaetales	Spirochaetaceae	midas_g_4579	0.1%

