

Supplementary materials

Adsorption Characteristics of Dodecamethylcyclohexasiloxane and Dodecamethylpentasiloxane from Landfill Leachate by Municipal Solid Waste under the Landfill Circumstance

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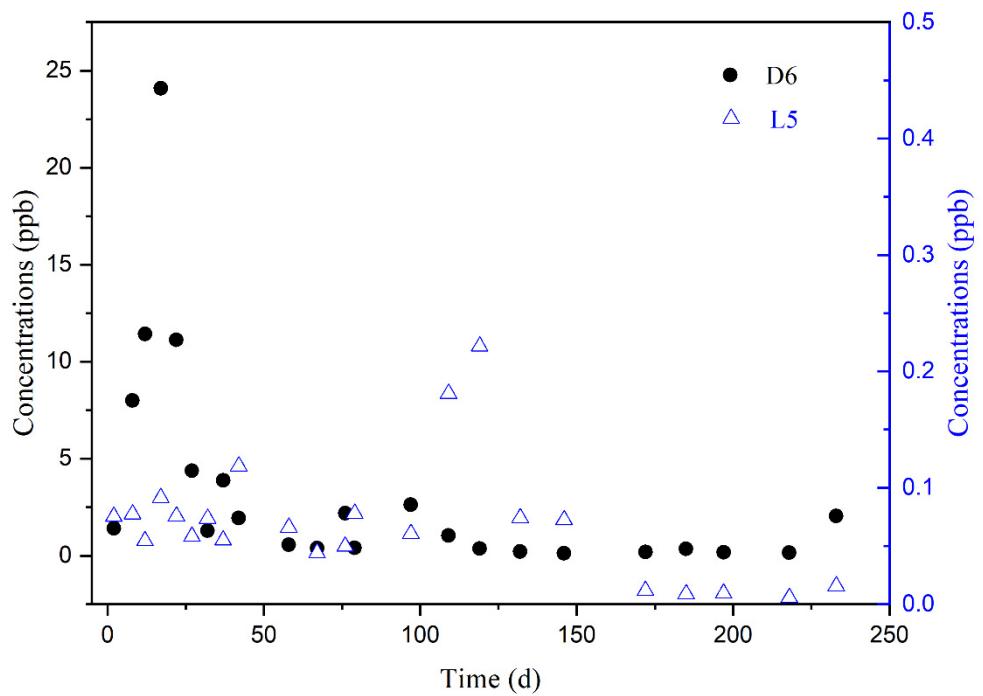


Figure S1. Evolution of concentration of L5 and D6 in simulate landfill reactor.

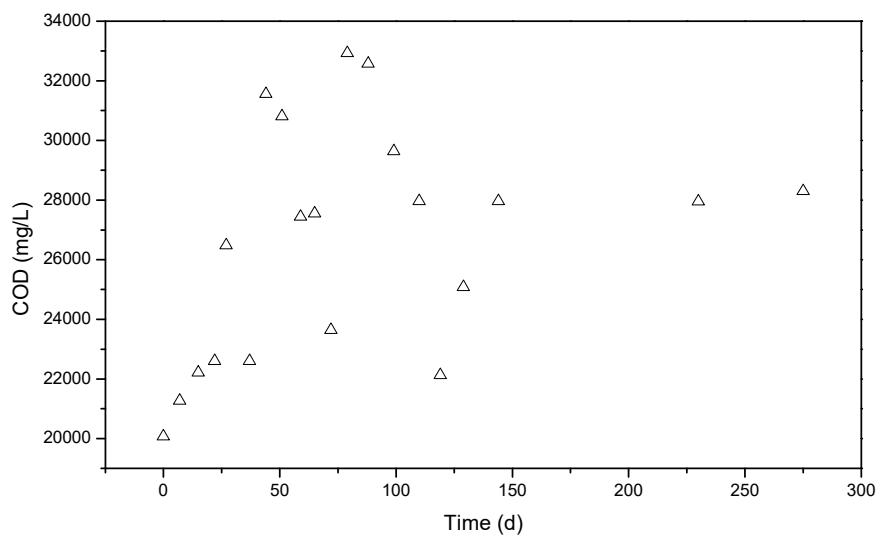


Figure S2. Variation of COD in landfill leachate.

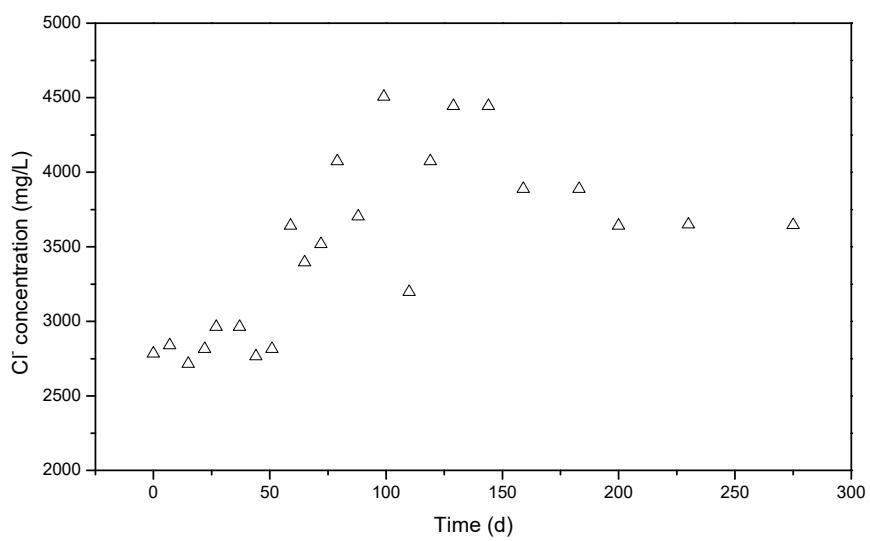


Figure S3. Variation of Cl^- in landfill leachate.

Table S1. Molecular structure of the siloxane compound

Siloxane compound	Molecular structure
L2	
L3	
L4	
L5	
D3	
D4	
D5	
D6	

Table S2. Main composition of MSW (mg kg⁻¹ dry MSW)

Ba	Mn	Al	Fe	Zn	Mg	Ca	As	Pb	Cr	Cu	Organic matter %	Moisture content %
5851	834	49228	27764	3965	7429	39514	124	81	116	193	15.7	12.7

Table S3. detailed condition for the GC-MS analysis

GC-MS conditions	
Column	DB-5MS UI
Injector temp	200 °C
Temperature program	40 °C for 3 minutes 20°C/min to 180°C for 0 minute 40°C/min to 280°C for 1 minute
Interface temperature	260°C
Quadrupole temperature	150°C
Ion source temperature	230°C
Scan mode	SIM
Carrier gas	99.999%He

Table S4. Molecular weight and boiling point of L5 and D6

	molecular weight	boiling point (°C)
L5	385	232
D6	444	245.1