

Supplementary material

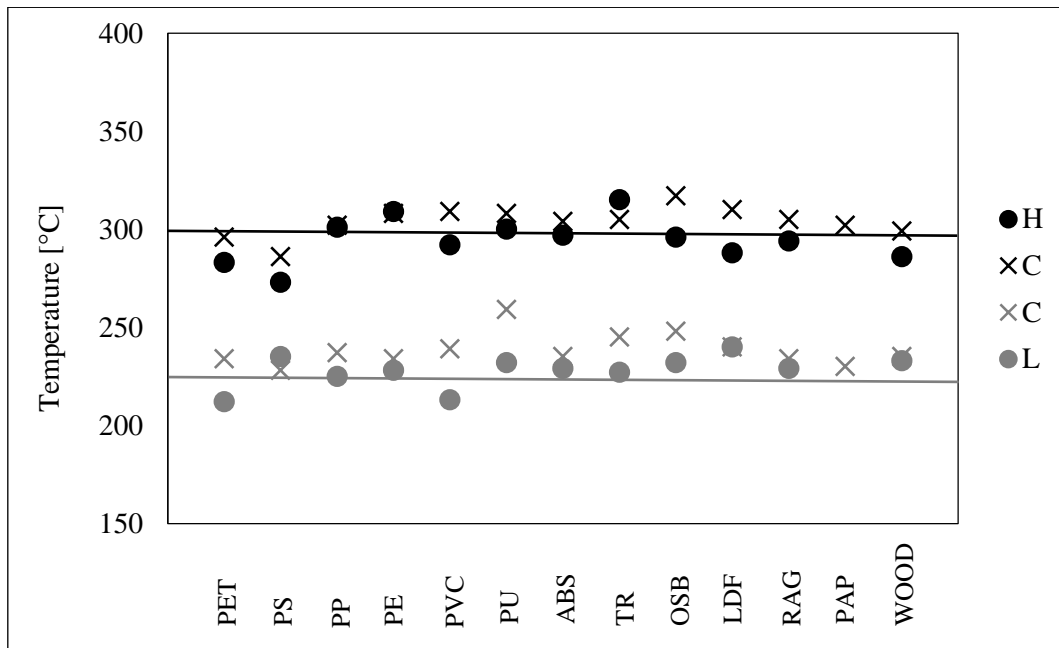


Figure S1. The mean temperature values of the flue gas for combustion tests (H: high, C: combined, L: low excess of air supply).

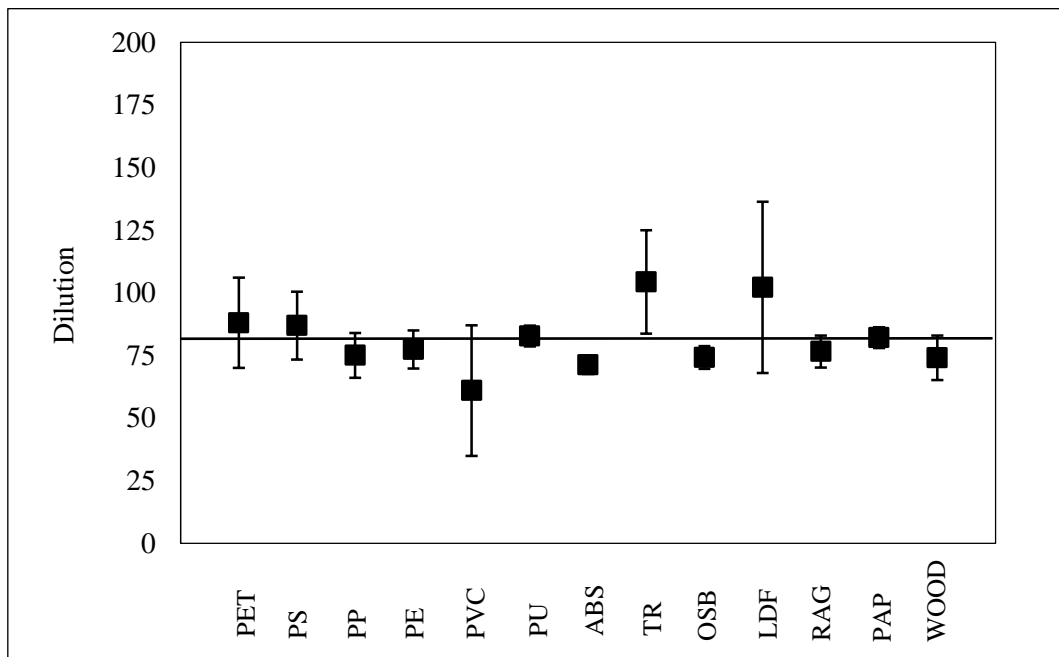


Figure S2. The dilution ratios in the controlled experimental system (error bars: SD).

Table S1. Fundamental parameters of waste combustion tests.

Sample type-code	Mass of sample specimen [g]	Air supply settings	Number of test burns		Total mass of PM ₁₀ on filter [mg]
			H	L	
PET-F50	135.9	H	4		15.3
PET-F3	154.8	C	2	2	20.9
PET-F51	148.7	L		4	15.0
PET-F4	149.5	L		4	23.8
PS-F52	28.7	H	4		15.7
PS-F6	40.8	H	4		24.1
PS-F53	28.1	C	2	2	15.7
PS-F10*	16.3	C	1	1	15.4
PS-F8	28.0	C	2	2	13.3
PS-F9	28.1	L		4	15.5
PP-F54	46.1	H	4		15.6
PP-F57	60.4	C	2	2	15.9
PP-F18	28.5	L		4	21.5
PE-F20	43.3	H	3		16.0
PE-F56	47.1	C	2	2	11.4
PE-F23	41.6	L		3	5.4
PVC-F80	39.7	H	3		24.1
PVC-F81	38.1	C	1	1	21.3
PVC-F28	30.7	L		2	20.5
PU-F29	41.6	H	4		14.8
PU-F30	56.2	C	2	2	16.7
PU-F32	43.6	L		4	6.5
ABS-F63	25.0	H	2		36.2
ABS-F64	26.7	C	1	1	28.1
ABS-F66	24.6	L		2	37.2
TR-F34	41.3	H	2		12.6
TR-F35	38.0	C	1	1	10.2
TR-F37	37.2	L		2	16.6
OSB-F38	105.0	H	4		8.3
OSB-F40	219.5	C	2	2	17.3
OSB-F41	228.1	L		4	12.0
LDF-F43	328.9	H	2		19.0
LDF-F47	371.9	C	1	1	10.1
LDF-F48	407.0	C	1	1	15.3
LDF-F44	374.5	C	1	1	9.2
LDF-F46	367.9	L		2	6.2
RAG-F58	102.5	H	5		10.9
RAG-F59	88.4	C	2	2	11.0
RAG-F61	102.6	L		5	11.5
PAP-F68	409.1	C	5	5	10.3
PAP-F70	436.5	C	5	5	12.6
WOOD-F71	220.8	H	4		9.3
WOOD-F72	508.8	H	4		14.0
WOOD-F76	624.5	C	2	2	14.9
WOOD-F78	405.1	C	2	2	14.9
WOOD-F74	219.1	L		2	4.1
WOOD-F77	411.7	L		4	9.5

H: high, C: combined, L: low excess of air supply; *foam