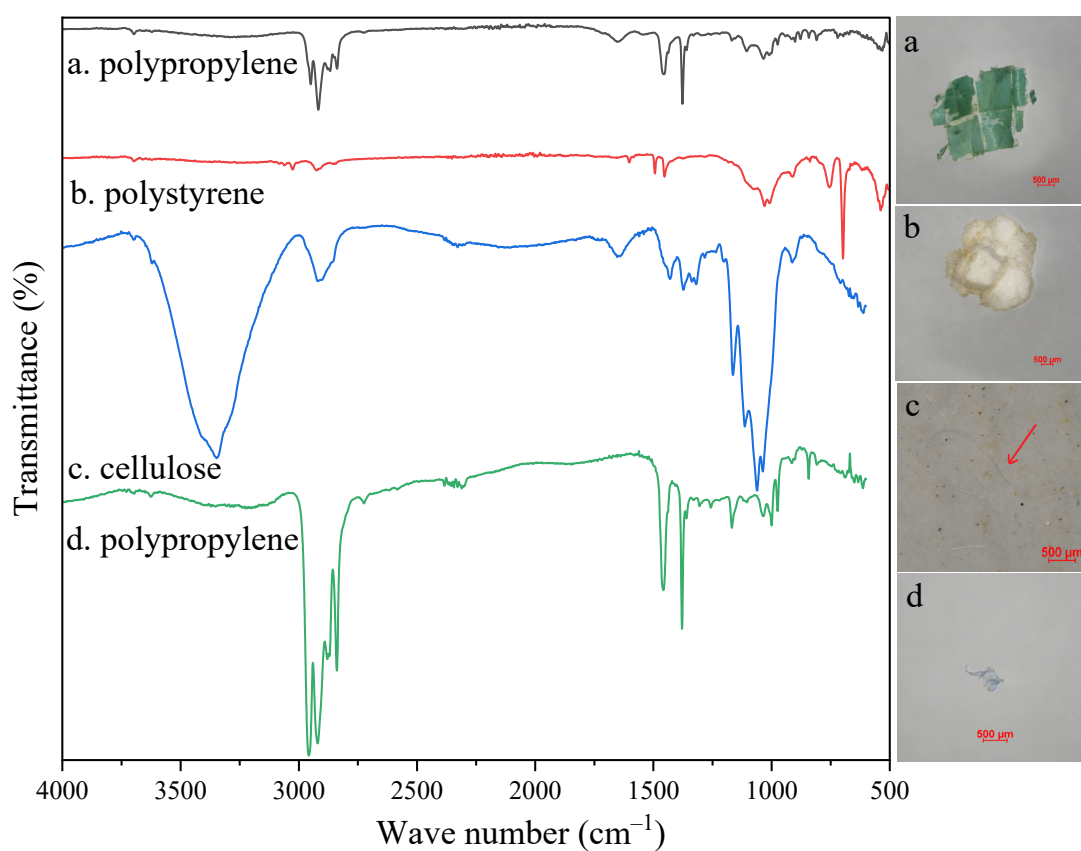


**Table S1.** Information of each station of different tides.

Stations	Tide	Latitude	Longitude	Sampling volume(L)
A1	High tide	21°13'8"	110°25'16"	50
A2	Middle tide	21°13'8"	110°25'17"	50
A3	Low tide	21°13'8"	110°25'18"	50
B1	High tide	21°13'11"	110°25'17"	50
B2	Middle tide	21°13'11"	110°25'18"	50
B3	Low tide	21°13'11"	110°25'19"	50
C1	High tide	21°13'14"	110°25'18'	50
C2	Middle tide	21°13'14"	110°25'19"	50
C3	Low tide	21°13'14"	110°25'20"	50
D1	High tide	21°13'17"	110°25'19"	50
D2	Middle tide	21°13'17"	110°25'20"	50
D3	Low tide	21°13'17"	110°25'21"	50
E1	High tide	21°13'21"	110°25'20"	50
E2	Middle tide	21°13'21"	110°25'21"	50
E3	Low tide	21°13'21"	110°25'22"	50



**Figure S1.** Typical identified MPs and their compositions. Green fragment — polypropylene (a), white foam — polystyrene (b), transparent fiber — cellulose (c), and blue film — polypropylene (d).