

Table S1. The methanol content in the methanol-gasoline blends listed as follows:

gas station	92#	95#	98#
1	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.
2	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.
3	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.
4	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.
5	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.
6	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.	0%, 2%, 4%,..., 30%.