

# Supplementary Materials: Optimization of Sample Preparation for Detection of 10 Phthalates in Non-Alcoholic Beverages in Northern Vietnam

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**Table S1.** Identifying, quantifying ions, retention time, and collision energy of 13 phthalates.

Abbr.	Compound	$t_R$ (min)	Prec. ( $m/z$ )	Frag. ( $m/z$ )	CE (eV)	Remark
DMP	Dimethyl phthalate	6.58	163.0	77.1 (51.1)	20 (14)	Q (C)
DEP	Diethyl phthalate	8.16	177.0	149.0 (65.1)	8 (20)	Q (C)
DPP	Dipropyl phthalate	10.12	149.0	65.1 (121.0)	20 (12)	Q (C)
DiBP	Diisobutyl phthalate	12.00	149.0	65.1 (121.0)	22 (12)	Q (C)
BzDP	Benzyl butyl phthalate	15.52	206.1	149.1 (93.0)	8 (16)	Q (C)
DnHP	Di-n-hexyl phthalate	15.42	149.0	65.0 (93.0)	22 (16)	Q (C)
DEHP	Di(2-ethylhexyl) phthalate	17.02	167.1	149.0 (65.1)	6 (22)	Q (C)
DnOP	Di-n-octyl phthalate	18.42	150.1	66.1 (93.0)	22 (16)	Q (C)
DCHP	Dicyclohexyl phthalate	16.90	167.1	149.1 (105.1)	8 (14)	Q (C)
DBP	Di-n-butyl phthalate	12.33	149.0	65.1 (93.0)	20 (12)	Q (C)
DMP-d4	Dimethyl phthalate-3,4,5,6-d4	6.58	167.1	81.1 (139.1)	20 (10)	Q (C)
DiBP-d4	Diisobutyl phthalate-3,4,5,6-d4	12.00	153.0	69.1 (97.1)	20 (15)	Q (C)
DEHP-d4	Di(2-ethylhexyl) phthalate-3,4,5,6-d4	17.02	171.1	153.0 (125.1)	15 (20)	Q (C)

Note: The value in parenthesis represent Confirm (C). Retention time ( $t_R$ ); Fragment ( $m/z$ ), Quantitation (Q); Confirm (C); and Collision energy (eV).