

TABLE S2 | Analysis of chemical composition of EOs from *Z. officinale* by GC-MS

NO.	Compound	Retention time	Content (%)
1	3-furaldehyde	4.53	0.01
2	propanoic acid, 2-methyl-, 2-methylpropyl ester	6.42	0.25
3	tricyclo[2.2.1.0 ^{2,6}]heptane, 1,7,7-trimethyl-	6.62	0.08
4	α -pinene	6.94	3.03
5	camphene	7.34	4.11
6	propanoic acid, 2-methyl-, 2-methylpropyl ester	7.54	0.02
7	bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)-	8.12	1.62
8	sulcatone	8.42	0.10
9	β -myrcene	8.54	0.38
10	2-methylpropyl 2-methylbutanoate	8.88	0.18
11	α -phellandrene	8.91	0.09
12	isobutyl isovalerate	8.98	0.05
13	propanoic acid, 2-methyl-, 3-methylbutyl ester	9.17	0.08
14	<i>D</i> -limonene	9.64	3.21
15	eucalyptol	9.72	35.33
16	2-pyrrolidinone, 1-methyl-	9.95	0.08
17	(<i>E</i>)- β -ocimene	10.20	0.06
18	propanoic acid, 2-methyl-, 3-methylbutyl ester	10.43	0.01
19	γ -terpinene	10.51	0.57
20	terpinolene	11.38	0.56
21	linalool	11.72	0.30
22	butanoic acid, 2-methyl-, 2-methylbutyl ester	11.85	0.11
23	butanoic acid, 3-methyl-, 2-methylbutyl ester	11.97	0.05
24	fenchol	12.12	0.50
25	1-methyl-4-propan-2-ylcyclohex-3-en-1-ol	12.74	0.03
26	(+)-bornan-2-one	13.03	2.68
27	<i>DL</i> -isoborneol	13.39	0.24
28	bornyl chloride	13.58	0.39
29	borneol	13.65	1.23
30	terpinen-4-ol	13.99	2.24
31	α -terpineol	14.39	11.02
32	cyclohexanol, 1-methyl-4-(1-methylethylidene)-	14.57	0.19
33	(1S)-2exo-acetoxy-1.3.3-trimethyl-norbornan	15.21	0.38
34	4-phenyl-2-butanone	15.86	0.19
35	bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-,acetate, (1S-endo)-	17.05	0.29
36	thymol	17.20	0.06
37	benzoic acid, 2-methylpropyl ester	18.17	0.18
38	eugenol	18.99	0.10
39	(+)-cyclosativene	19.33	0.08

40	8-isopropyl-1,3-dimethyltricyclo[4.4.0.0 ^{2,7}]dec-3-ene	19.44	0.34
41	2-Isopropenyl-5-methylhex-4-enylacetat	19.74	0.34
42	phenylethyl butyrate	20.11	0.53
43	bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-	20.53	2.23
44	α -guaiene	21.52	0.50
45	(1R,3aS,8aS)-7-isopropyl-1,4-dimethyl-1,2,3,3a,6,8a-hexahydro-azulene	21.67	0.08
46	(1E,4E,8E)- α -humulene	22.03	0.90
47	(-)- β -santalene naphthalene,	22.23	0.14
48	1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene -1-(1-methylethyl)-, (1 α ,4a β ,8a α)-	22.80	0.98
49	(-)- α -muurolene	22.93	0.24
50	α -farnesene naphthalene,	23.91	3.47
51	1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene -1-(1-methylethyl)-, (1 α ,4a β ,8a α)-(1 α ,4a β ,8a α)- naphthalene,1,2,3,5,6,8a-hexahydro-4,7-dimethyl-	24.16	5.65
52	1-(1-methylethyl)-, (1S-cis)-	24.49	1.22
53	cis-bisabolene	24.80	0.15
54	(+)-valencene	24.92	0.49
55	selina-3,7(11)-diene	25.17	0.66
56	α -calacorene	25.22	0.89
57	(1E,4E)-germacrene B	25.30	0.24
58	selina-3,7(11)-diene	26.93	0.26
59	(1S,4R,4aS,8aR)-4,7-dimethyl-1-propan-2-yl-2,3,4,5,6,8a-hexahydro-1H-naphthalen-4a-ol	28.05	0.49
60	bergamotol	32.11	0.32