

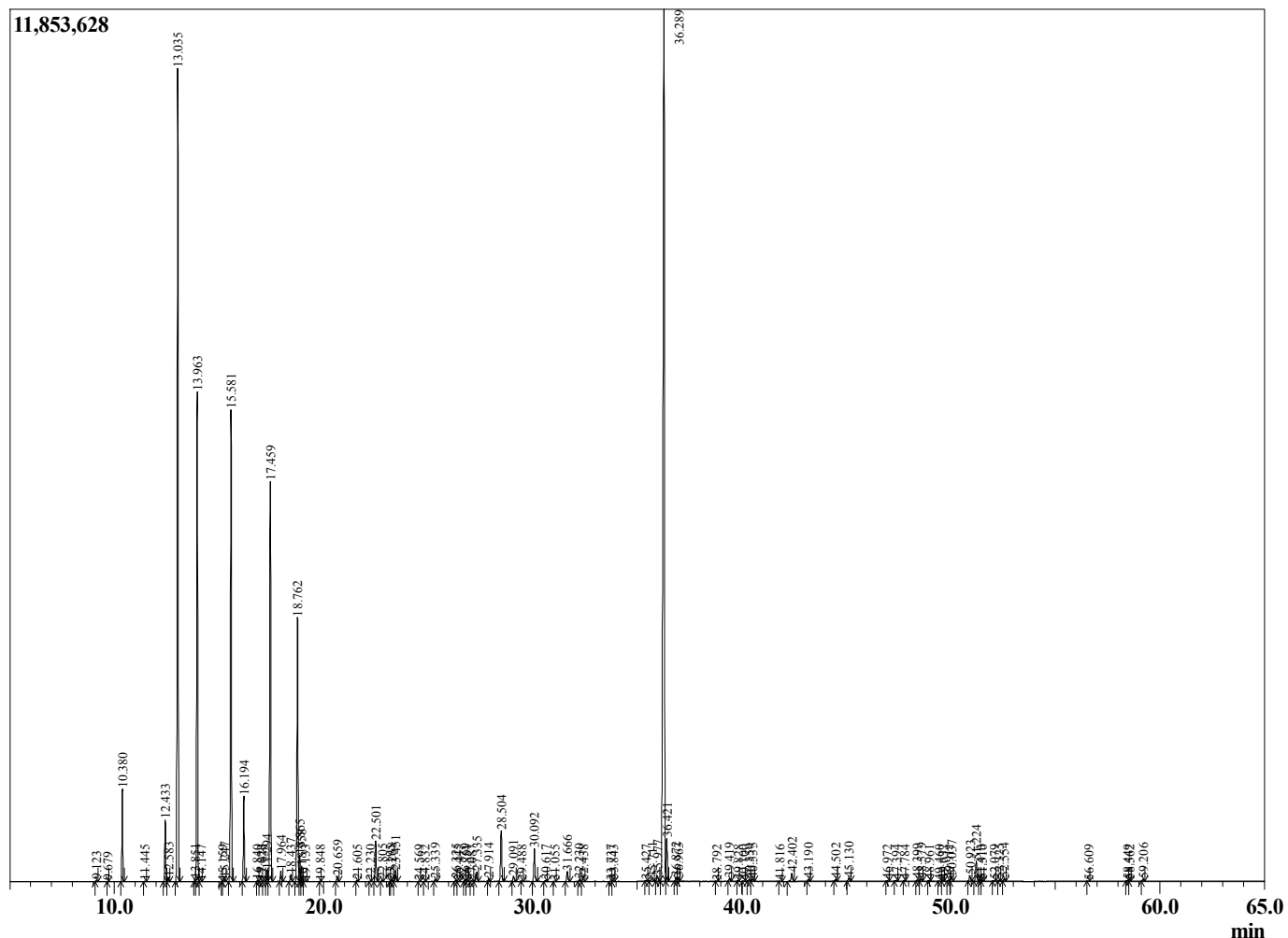
Sample Information

Sample Type : Essential Oil
Sample Name : Picea mariana
Injection Volume : 0.10

Spruce Black
Lot# CAN25-NT
Country: Canada



Chromatogram Picea mariana



Peak Report TIC		
R.Time	Name	Area%
3.799	4-Methyl-1-cyclopentene	0.00
9.123	Hex-3(Z)-enol	0.02
9.679	Hexanol	0.01
10.380	Santene	1.65
11.445	Unidentified	0.02
12.433	Tricyclene	1.23
12.583	alpha-Thujene	0.09
13.035	alpha-Pinene	17.95
13.851	alpha-Fenchene	0.04
13.963	Camphene	10.52
14.147	Thuja-2,4(10)diene	0.01
15.159	Unidentified	0.01
15.247	Sabinene	0.08
15.581	beta-Pinene	10.83
16.194	Myrcene	1.85
16.840	2-Carene	0.03
17.023	Unidentified	0.01
17.139	Unidentified	0.01
17.294	alpha-Phellandrene	0.26
17.459	delta-3-Carene	9.16
17.964	alpha-Terpinene	0.23
18.437	para-Cymene	0.17
18.762	Limonene	6.33
18.865	beta-Phellandrene	0.57
18.958	1,8-Cineole	0.35
19.133	cis-beta-Ocimene	0.02
19.848	trans-beta-Ocimene	0.01
20.659	gamma-Terpinene	0.12
21.605	Pinol	0.03
22.230	Isoterpinolene	0.01
22.501	Terpinolene	1.00
22.805	para-Cymenene	0.05
23.195	Unidentified	0.01
23.268	Unidentified	0.05
23.451	Linalool	0.26
24.569	3-Methylbut-3-enyl 3-methylbutyrate	0.01
24.832	alpha-Fenchol	0.01
25.339	alpha-Campholenal	0.06
26.325	trans-Pinocarveol	0.04
26.445	Unidentified	0.01
26.769	Camphor	0.05
26.851	Isopulegol	0.01
27.087	Citronellal	0.03
27.335	trans-beta-Terpineol	0.27
27.914	Isoborneol	0.07
28.504	Borneol	1.37
29.091	Terpinen-4-ol	0.15
29.488	para-Cymen-8-ol	0.01
30.092	alpha-Terpineol	0.88
30.617	Unidentified	0.03
31.055	alpha-Terpinene	0.02
31.666	alpha-Fenchyl acetate	0.30
32.230	Citronellol	0.04
32.438	Thymol methyl ether	0.01
33.737	Unidentified	0.02
33.843	Nerol	0.02

R.Time	Name	Area%
35.427	Unidentified	0.02
35.711	Unidentified	0.11
35.977	Unidentified	0.16
36.289	Bornyl acetate	29.93
36.421	Isobornyl acetate	1.08
36.872	Unidentified	0.11
36.963	trans-Pinocarvyl acetate	0.08
38.792	Myrtenyl acetate	0.01
39.419	Unidentified	0.08
39.828	Unidentified	0.02
40.100	Unidentified	0.01
40.350	alpha-Terpinyl acetate	0.05
40.535	Citronellyl acetate	0.05
41.816	Unidentified	0.01
42.402	Geranyl acetate	0.25
43.190	beta-Elementene	0.05
44.502	Junipene	0.06
45.130	beta-Caryophyllene	0.09
46.972	Unidentified	0.02
47.394	alpha-Humulene	0.03
47.784	cis-Cadina-1(6),4-diene	0.01
48.399	10-beta-H-Cadina-1(6),4-diene	0.04
48.579	trans-Cadina-1(6),4-diene	0.06
48.961	Germacrene D	0.02
49.460	Unidentified	0.01
49.632	trans-Muurolo-4(14),5-diene	0.02
49.911	Unidentified	0.03
50.037	alpha-Muuroloene	0.14
50.923	gamma-Cadinene	0.16
51.224	delta-Cadinene	0.61
51.413	trans-Calamenene	0.03
51.510	Zonarene	0.02
52.079	trans-Cadina-1,4-diene	0.02
52.325	alpha-Cadinene	0.03
52.554	trans-alpha-Bisabolene	0.06
56.609	Unidentified	0.01
58.449	tau-Cadinol	0.02
58.562	epi-alpha-Cadinol	0.02
59.206	alpha-Cadinol	0.05
		100.00