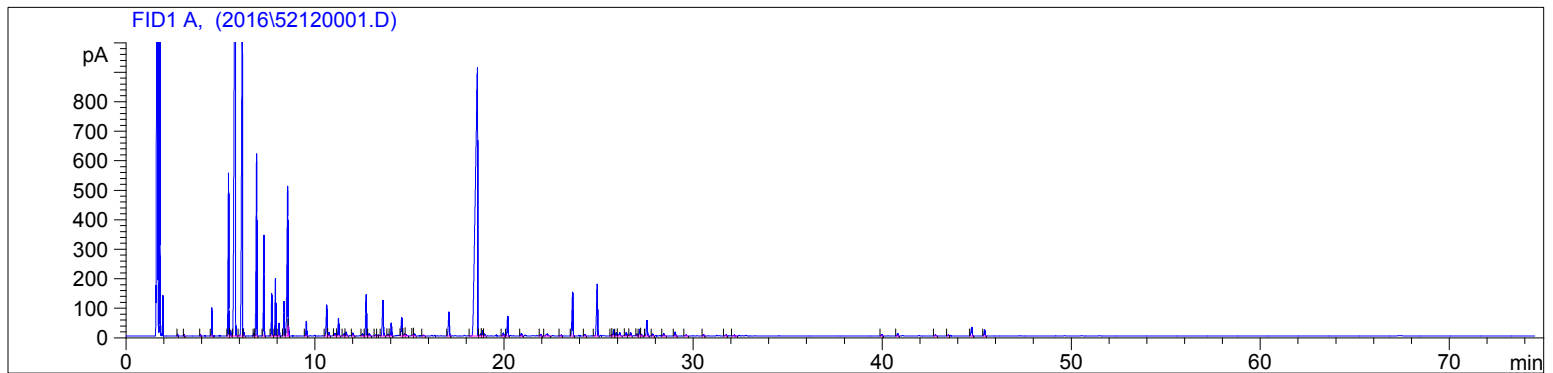


Spruce Hemlock
5212-LLAIT
Canada
tsuga canadensis
Sample/Hexane: 0.14g/0.28g
Injection: 0.2uL

HP-5 5% Phenyl Methyl Siloxane
30.000m
250.000um
0.250um

12/20/2016 9:36:43 AM
12/20/2016 9:36:43 AM

12/23/2016
2:17:16 PM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1		2.72	0.00	9.04	6.41	9.04	0.03
2		3.06	0.00	8.08	5.16	8.08	0.03
3		3.94	0.00	8.62	4.25	8.62	0.03
4	santene	4.54	0.00	189.06	95.33	189.06	0.59
5	tricyclene	5.42	0.00	1434.79	551.53	1434.79	4.46
6		5.52	0.00	56.10	19.52	56.10	0.17
7	alpha pinene	5.78	405.29	7959.93	1914.63	7959.93	24.72
8	camphene + alpha fenchene	6.15	8616.04	3887.14	1185.76	3887.14	12.07
9		6.24	0.00	25.63	12.15	25.63	0.08
10		6.77	0.00	27.50	10.31	27.50	0.09
11	beta pinene	6.90	46.06	1765.11	617.27	1765.11	5.48
12	myrcene	7.29	94.02	861.46	341.00	861.46	2.67
13		7.71	0.00	362.04	144.03	362.04	1.12
14	delta-3 carene	7.90	0.00	490.82	194.44	490.82	1.52
15	alpha phellandrene	8.09	0.00	110.47	43.34	110.47	0.34
16	para cymene	8.36	0.00	337.76	116.76	337.76	1.05
17	d-limonene	8.55	0.00	1766.86	507.69	1766.86	5.49
18	1.8 cineol	8.58	60.58	58.27	34.30	58.27	0.18
19	trans beta ocimene	9.53	125.12	132.87	49.94	132.87	0.41
20	terpinolene	10.61	0.00	360.16	104.91	360.16	1.12
21		10.72	0.00	33.42	11.39	33.42	0.10
22	linalool	11.04	18.26	23.67	7.66	23.67	0.07
23		11.23	0.00	173.56	58.28	173.56	0.54
24		11.54	0.00	25.14	7.74	25.14	0.08
25		11.64	0.00	40.20	13.18	40.20	0.12
26		12.00	0.00	32.06	9.86	32.06	0.10
27	trans pinocarveol	12.50	0.00	30.27	7.47	30.27	0.09
28	camphor	12.70	0.00	464.09	139.28	464.09	1.44
29		12.86	0.00	31.10	8.10	31.10	0.10
30	isoborneol	13.20	0.00	12.48	3.57	12.48	0.04
31		13.32	0.00	13.08	4.04	13.08	0.04
32	borneol	13.59	0.00	467.17	120.61	467.17	1.45
33		13.86	0.00	21.35	6.58	21.35	0.07
34	terpin-4-ol	14.03	40.00	143.25	43.80	143.25	0.44
35	alpha terpineol	14.58	244.40	228.53	61.58	228.53	0.71
36		14.74	0.00	28.97	6.58	28.97	0.09
37	myrtenol	14.79	0.00	24.36	4.91	24.36	0.08

5212-LLAIT

Instrument 6890

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Spruce Hemlock

HP-5 5% Phenyl Methyl Siloxane

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30.000m

Canada

250.000um

tsuga canadensis

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#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
38		15.18	0.00	11.29	3.24	11.29	0.04
39		15.25	0.00	29.07	7.38	29.07	0.09
40	endo-fenchyl acetate	15.73	0.00	14.03	3.69	14.03	0.04
41	exo-fenchyl acetate	0.00	0.00	0.00	0.00	0.00	0.00
42	linalyl acetate	17.08	179.56	306.74	81.01	306.74	0.95
43	iso bornyl / bornyl acetate	18.58	0.00	7446.91	908.53	7446.91	23.12
44		18.75	0.00	28.12	6.58	28.12	0.09
45		18.86	0.00	56.89	17.06	56.89	0.18
46		18.95	0.00	21.46	6.51	21.46	0.07
47		19.95	0.00	31.62	9.43	31.62	0.10
48		20.18	0.00	222.07	66.89	222.07	0.69
49		20.90	0.00	30.66	8.99	30.66	0.10
50		21.93	0.00	17.53	5.13	17.53	0.05
51		22.27	0.00	43.25	6.21	43.25	0.13
52		23.01	0.00	13.18	3.47	13.18	0.04
53		23.62	0.00	561.95	148.70	561.95	1.74
54		24.27	0.00	16.99	4.79	16.99	0.05
55		24.92	0.00	683.94	175.53	683.94	2.12
56		25.67	0.00	11.46	3.23	11.46	0.04
57		25.79	0.00	74.28	20.03	74.28	0.23
58		25.93	0.00	37.51	10.60	37.51	0.12
59		26.11	0.00	50.28	11.05	50.28	0.16
60		26.45	0.00	48.35	12.43	48.35	0.15
61		26.68	0.00	40.56	10.47	40.56	0.13
62		27.02	0.00	22.82	6.57	22.82	0.07
63		27.17	0.00	87.15	23.26	87.15	0.27
64		27.26	0.00	17.13	5.32	17.13	0.05
65	delta cadinene	27.54	0.00	193.15	52.59	193.15	0.60
66		27.85	0.00	23.75	6.57	23.75	0.07
67		28.43	0.00	31.17	7.61	31.17	0.10
68		29.04	0.00	45.08	13.24	45.08	0.14
69		29.61	0.00	16.08	3.54	16.08	0.05
70		30.55	0.00	14.09	3.99	14.09	0.04
71		31.74	0.00	20.59	3.78	20.59	0.06
72		32.17	0.00	16.75	3.20	16.75	0.05
73		39.97	0.00	15.79	4.37	15.79	0.05
74		40.81	0.00	29.18	7.63	29.18	0.09
75		42.81	0.00	14.24	3.28	14.24	0.04
76		43.49	0.00	16.10	3.41	16.10	0.05
77		44.73	0.00	124.25	29.26	124.25	0.39
78		45.41	0.00	76.39	20.15	76.39	0.24

