

4781-KAHK

Instrument 6890

C:\HPCHEM\2\DATA\2021\
47810000.D

Rosemary Verbenone Organic

HP-5 5% Phenyl Methyl Siloxane

4781-KAHK

30.000m

South Africa

250.000um

Rosmarinus officinalis

0.250um

Sample/Solvent Ratio: 0.06g/0.50g

Injection Amount: 0.2uL

20:1 Split Ratio

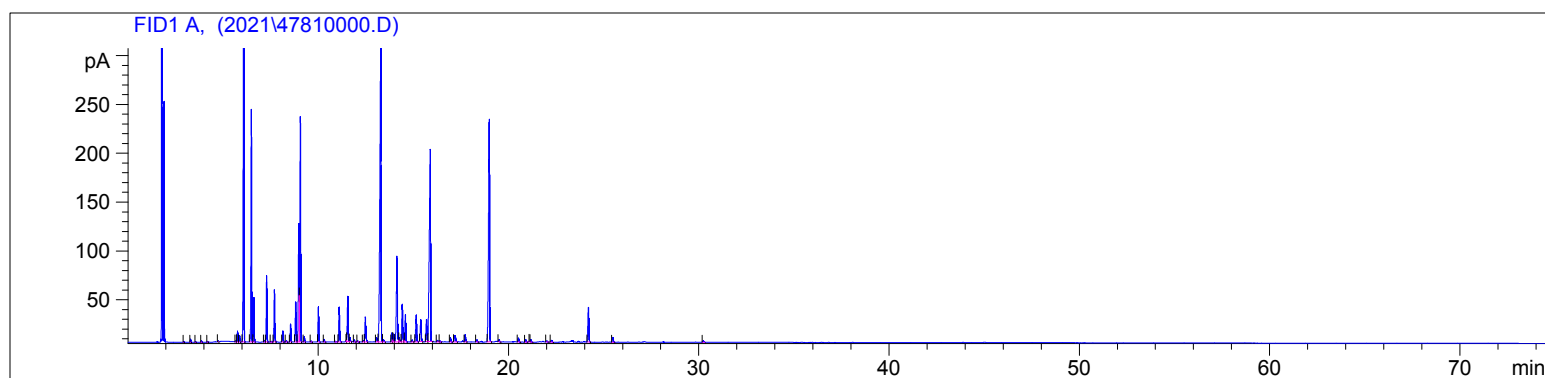
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| # | Compound Name | Meas. Ret. | Amount | Response | Height | Area | Area % |
|----|----------------------|------------|--------|----------|--------|---------|--------|
| 1 | | 2.93 | 100.00 | 0.71 | 0.49 | 0.71 | 0.01 |
| 2 | | 3.28 | 100.00 | 6.77 | 3.30 | 6.77 | 0.08 |
| 3 | | 3.55 | 100.00 | 0.94 | 0.60 | 0.94 | 0.01 |
| 4 | | 3.85 | 100.00 | 2.55 | 1.38 | 2.55 | 0.03 |
| 5 | | 4.18 | 100.00 | 1.48 | 0.71 | 1.48 | 0.02 |
| 6 | | 4.73 | 100.00 | 1.24 | 0.65 | 1.24 | 0.01 |
| 7 | | 5.67 | 100.00 | 2.68 | 1.25 | 2.68 | 0.03 |
| 8 | tricyclene | 5.75 | 100.00 | 24.49 | 10.97 | 24.49 | 0.28 |
| 9 | alpha thujene | 5.86 | 100.00 | 13.71 | 6.20 | 13.71 | 0.16 |
| 10 | alpha pinene | 6.08 | 100.00 | 1593.51 | 632.10 | 1593.51 | 18.38 |
| 11 | camphene | 6.48 | 100.00 | 568.54 | 238.22 | 568.54 | 6.56 |
| 12 | thuja-2,4(10)diene | 6.62 | 100.00 | 103.97 | 45.66 | 103.97 | 1.20 |
| 13 | sabinene | 7.17 | 100.00 | 4.21 | 1.81 | 4.21 | 0.05 |
| 14 | beta pinene | 7.28 | 100.00 | 165.58 | 67.75 | 165.58 | 1.91 |
| 15 | 3-octanone | 7.52 | 100.00 | 2.01 | 0.80 | 2.01 | 0.02 |
| 16 | myrcene | 7.69 | 100.00 | 133.09 | 53.14 | 133.09 | 1.54 |
| 17 | alpha phellandrene | 8.13 | 100.00 | 30.04 | 11.25 | 30.04 | 0.35 |
| 18 | delta-3-carene | 8.33 | 100.00 | 3.21 | 1.19 | 3.21 | 0.04 |
| 19 | alpha terpinene | 8.54 | 100.00 | 47.51 | 18.36 | 47.51 | 0.55 |
| 20 | para cymene | 8.81 | 100.00 | 114.07 | 41.01 | 114.07 | 1.32 |
| 21 | d-limonene | 8.97 | 100.00 | 377.90 | 120.81 | 377.90 | 4.36 |
| 22 | 1.8 cineol | 9.05 | 100.00 | 631.45 | 230.07 | 631.45 | 7.28 |
| 23 | cis-beta ocimene | 9.26 | 100.00 | 14.48 | 5.58 | 14.48 | 0.17 |
| 24 | trans-beta ocimene | 9.63 | 100.00 | 2.55 | 0.96 | 2.55 | 0.03 |
| 25 | gamma terpinene | 10.02 | 100.00 | 97.88 | 35.98 | 97.88 | 1.13 |
| 26 | cis sabinene hydrate | 10.32 | 100.00 | 8.09 | 2.76 | 8.09 | 0.09 |
| 27 | | 10.91 | 100.00 | 2.64 | 0.89 | 2.64 | 0.03 |
| 28 | terpinolene | 11.11 | 100.00 | 111.97 | 35.82 | 111.97 | 1.29 |
| 29 | | 11.50 | 100.00 | 4.32 | 2.24 | 4.32 | 0.05 |
| 30 | linalool | 11.56 | 100.00 | 141.94 | 46.62 | 141.94 | 1.64 |
| 31 | | 11.67 | 100.00 | 14.17 | 4.30 | 14.17 | 0.16 |
| 32 | | 11.90 | 100.00 | 5.51 | 1.99 | 5.51 | 0.06 |
| 33 | endo-fenchol | 12.09 | 100.00 | 2.23 | 0.78 | 2.23 | 0.03 |

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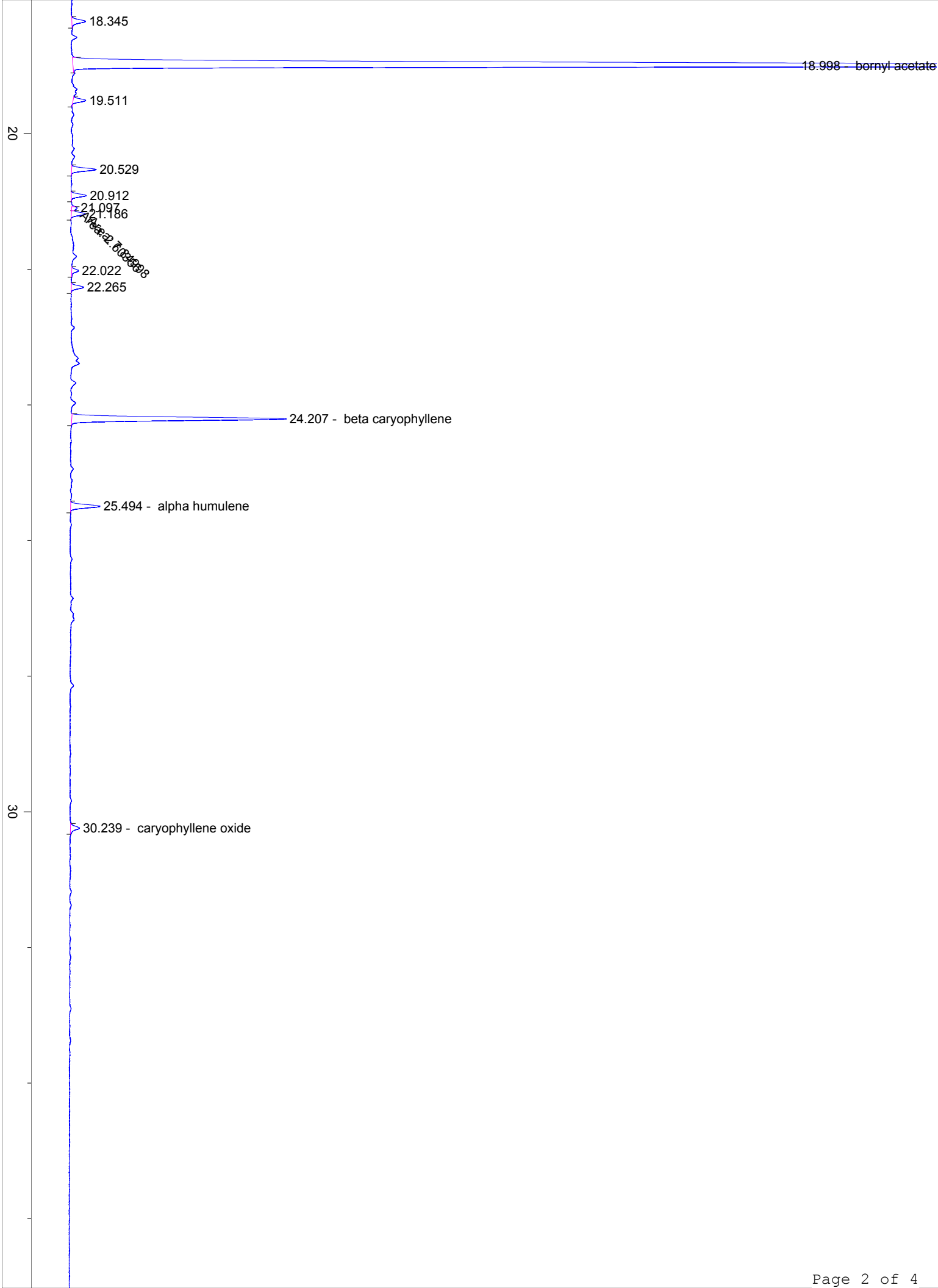
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| # | Compound Name | Meas. Ret. | Amount | Response | Height | Area | Area % |
|----|--------------------------|------------|--------|----------|--------|---------|--------|
| 34 | cis-para-menth-2-en-1-ol | 12.38 | 100.00 | 4.70 | 1.45 | 4.70 | 0.05 |
| 35 | alpha campholenal | 12.48 | 100.00 | 86.05 | 25.35 | 86.05 | 0.99 |
| 36 | trans pinocarveol | 13.08 | 100.00 | 16.00 | 4.09 | 16.00 | 0.18 |
| 37 | camphor | 13.29 | 100.00 | 1308.43 | 307.40 | 1308.43 | 15.09 |
| 38 | | 13.43 | 100.00 | 9.32 | 2.30 | 9.32 | 0.11 |
| 39 | | 13.88 | 100.00 | 28.19 | 9.04 | 28.19 | 0.33 |
| 40 | trans-pinocamphone | 13.96 | 100.00 | 26.42 | 8.28 | 26.42 | 0.30 |
| 41 | borneol | 14.15 | 100.00 | 337.27 | 87.75 | 337.27 | 3.89 |
| 42 | | 14.26 | 100.00 | 15.25 | 4.06 | 15.25 | 0.18 |
| 43 | cis-pinocamphone | 14.43 | 100.00 | 128.55 | 38.45 | 128.55 | 1.48 |
| 44 | terpin-4-ol | 14.59 | 100.00 | 92.15 | 27.82 | 92.15 | 1.06 |
| 45 | | 14.94 | 100.00 | 6.97 | 2.03 | 6.97 | 0.08 |
| 46 | alpha terpineol | 15.16 | 100.00 | 95.84 | 27.48 | 95.84 | 1.11 |
| 47 | | 15.40 | 100.00 | 80.16 | 22.22 | 80.16 | 0.92 |
| 48 | verbanol | 15.70 | 100.00 | 76.09 | 22.58 | 76.09 | 0.88 |
| 49 | verbenone | 15.90 | 100.00 | 927.23 | 196.88 | 927.23 | 10.70 |
| 50 | | 16.27 | 100.00 | 6.27 | 1.63 | 6.27 | 0.07 |
| 51 | | 16.40 | 100.00 | 3.15 | 1.10 | 3.15 | 0.04 |
| 52 | | 16.95 | 100.00 | 14.56 | 4.28 | 14.56 | 0.17 |
| 53 | | 17.19 | 100.00 | 30.99 | 6.55 | 30.99 | 0.36 |
| 54 | | 17.73 | 100.00 | 24.98 | 7.36 | 24.98 | 0.29 |
| 55 | | 18.35 | 100.00 | 8.63 | 2.25 | 8.63 | 0.10 |
| 56 | bornyl acetate | 19.00 | 100.00 | 907.49 | 226.14 | 907.49 | 10.47 |
| 57 | | 19.51 | 100.00 | 6.85 | 2.10 | 6.85 | 0.08 |
| 58 | | 20.53 | 100.00 | 13.34 | 4.06 | 13.34 | 0.15 |
| 59 | | 20.91 | 100.00 | 7.93 | 2.48 | 7.93 | 0.09 |
| 60 | | 21.10 | 100.00 | 2.60 | 0.91 | 2.60 | 0.03 |
| 61 | | 21.19 | 100.00 | 7.85 | 2.33 | 7.85 | 0.09 |
| 62 | | 22.02 | 100.00 | 3.80 | 1.13 | 3.80 | 0.04 |
| 63 | | 22.26 | 100.00 | 6.93 | 2.04 | 6.93 | 0.08 |
| 64 | beta caryophyllene | 24.21 | 100.00 | 125.81 | 35.50 | 125.81 | 1.45 |
| 65 | alpha humulene | 25.49 | 100.00 | 17.10 | 4.84 | 17.10 | 0.20 |
| 66 | caryophyllene oxide | 30.24 | 100.00 | 6.12 | 1.50 | 6.12 | 0.07 |





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