

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071624\  
 Data File : VV036577.D  
 Acq On : 16 Jul 2024 19:08  
 Operator : SY/MD  
 Sample : P3238-19  
 Misc : 5.75g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4CH4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
 Title : VOC Analysis

Signal : TIC: VV036577.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.272       | 66            | 72          | 90           | rVB      | 161802         | 175552        | 20.79%          | 3.103%        |
| 2         | 1.526       | 144           | 151         | 162          | rVB      | 143945         | 169060        | 20.02%          | 2.989%        |
| 3         | 2.050       | 305           | 314         | 328          | rBV      | 277996         | 396783        | 47.00%          | 7.014%        |
| 4         | 2.439       | 425           | 435         | 454          | rVB      | 93791          | 156855        | 18.58%          | 2.773%        |
| 5         | 2.609       | 486           | 488         | 493          | rBV      | 296            | 238           | 0.03%           | 0.004%        |
| 6         | 2.693       | 512           | 514         | 518          | rVB2     | 263            | 137           | 0.02%           | 0.002%        |
| 7         | 2.748       | 529           | 531         | 533          | rBV      | 255            | 124           | 0.01%           | 0.002%        |
| 8         | 2.802       | 545           | 548         | 552          | rBV      | 199            | 167           | 0.02%           | 0.003%        |
| 9         | 2.876       | 569           | 571         | 574          | rBV2     | 160            | 97            | 0.01%           | 0.002%        |
| 10        | 2.960       | 587           | 597         | 614          | rVB3     | 6691           | 14287         | 1.69%           | 0.253%        |
| 11        | 3.053       | 624           | 626         | 631          | rVB      | 204            | 114           | 0.01%           | 0.002%        |
| 12        | 3.159       | 658           | 659         | 662          | rVV2     | 304            | 146           | 0.02%           | 0.003%        |
| 13        | 3.256       | 684           | 689         | 692          | rBV      | 197            | 179           | 0.02%           | 0.003%        |
| 14        | 3.297       | 700           | 702         | 709          | rBV2     | 231            | 225           | 0.03%           | 0.004%        |
| 15        | 3.330       | 709           | 712         | 713          | rBV      | 220            | 131           | 0.02%           | 0.002%        |
| 16        | 3.506       | 762           | 767         | 769          | rBV      | 169            | 151           | 0.02%           | 0.003%        |
| 17        | 3.632       | 802           | 806         | 810          | rBV      | 213            | 228           | 0.03%           | 0.004%        |
| 18        | 4.243       | 980           | 996         | 1025         | rBV      | 173419         | 460613        | 54.56%          | 8.143%        |
| 19        | 4.593       | 1101          | 1105        | 1107         | rVB      | 374            | 280           | 0.03%           | 0.005%        |
| 20        | 4.612       | 1108          | 1111        | 1112         | rBV      | 261            | 97            | 0.01%           | 0.002%        |
| 21        | 4.709       | 1136          | 1141        | 1146         | rVB3     | 212            | 214           | 0.03%           | 0.004%        |
| 22        | 4.902       | 1195          | 1201        | 1202         | rBV      | 272            | 235           | 0.03%           | 0.004%        |
| 23        | 4.950       | 1202          | 1216        | 1265         | rVV2     | 324736         | 844290        | 100.00%         | 14.925%       |
| 24        | 5.323       | 1329          | 1332        | 1335         | rBV2     | 270            | 208           | 0.02%           | 0.004%        |
| 25        | 5.362       | 1341          | 1344        | 1349         | rBV2     | 381            | 317           | 0.04%           | 0.006%        |
| 26        | 5.394       | 1352          | 1354        | 1355         | rBV      | 282            | 116           | 0.01%           | 0.002%        |
| 27        | 5.452       | 1370          | 1372        | 1374         | rBV      | 294            | 154           | 0.02%           | 0.003%        |
| 28        | 5.468       | 1374          | 1377        | 1379         | rVB2     | 433            | 222           | 0.03%           | 0.004%        |
| 29        | 5.529       | 1385          | 1396        | 1428         | rBV      | 341511         | 730251        | 86.49%          | 12.909%       |
| 30        | 5.831       | 1480          | 1490        | 1514         | rVB4     | 11004          | 27451         | 3.25%           | 0.485%        |
| 31        | 5.985       | 1525          | 1538        | 1563         | rBV      | 217495         | 458910        | 54.35%          | 8.113%        |
| 32        | 6.223       | 1608          | 1612        | 1613         | rBV3     | 491            | 348           | 0.04%           | 0.006%        |
| 33        | 6.275       | 1627          | 1628        | 1631         | rVB2     | 246            | 106           | 0.01%           | 0.002%        |
| 34        | 6.416       | 1669          | 1672        | 1676         | rVB2     | 353            | 234           | 0.03%           | 0.004%        |
| 35        | 6.461       | 1684          | 1686        | 1688         | rVB      | 261            | 111           | 0.01%           | 0.002%        |
| 36        | 6.522       | 1703          | 1705        | 1708         | rVB      | 291            | 145           | 0.02%           | 0.003%        |

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 ClientSampleId :  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 6.670  | 1748 | 1751 | 1754 | rBV2 | 276    | 192    | 0.02%  | 0.003%  |
| 38 | 6.770  | 1780 | 1782 | 1784 | rBV  | 227    | 100    | 0.01%  | 0.002%  |
| 39 | 6.873  | 1811 | 1814 | 1818 | rBV2 | 252    | 182    | 0.02%  | 0.003%  |
| 40 | 6.937  | 1828 | 1834 | 1836 | rBV  | 1216   | 1327   | 0.16%  | 0.023%  |
| 41 | 7.091  | 1879 | 1882 | 1886 | rBV2 | 179    | 157    | 0.02%  | 0.003%  |
| 42 | 7.243  | 1915 | 1929 | 1955 | rBV  | 299995 | 551055 | 65.27% | 9.742%  |
| 43 | 7.583  | 2025 | 2035 | 2044 | rBV6 | 3423   | 7071   | 0.84%  | 0.125%  |
| 44 | 7.686  | 2065 | 2067 | 2070 | rVB  | 191    | 103    | 0.01%  | 0.002%  |
| 45 | 7.715  | 2071 | 2076 | 2077 | rBV  | 168    | 109    | 0.01%  | 0.002%  |
| 46 | 7.744  | 2083 | 2085 | 2088 | rBV3 | 181    | 129    | 0.02%  | 0.002%  |
| 47 | 7.873  | 2113 | 2125 | 2126 | rBV3 | 1117   | 1176   | 0.14%  | 0.021%  |
| 48 | 8.088  | 2188 | 2192 | 2193 | rBV  | 152    | 101    | 0.01%  | 0.002%  |
| 49 | 8.226  | 2230 | 2235 | 2237 | rVB2 | 206    | 161    | 0.02%  | 0.003%  |
| 50 | 8.239  | 2237 | 2239 | 2244 | rBV2 | 365    | 308    | 0.04%  | 0.005%  |
| 51 | 8.426  | 2295 | 2297 | 2299 | rVB2 | 277    | 129    | 0.02%  | 0.002%  |
| 52 | 8.635  | 2359 | 2362 | 2369 | rVB3 | 208    | 202    | 0.02%  | 0.004%  |
| 53 | 8.690  | 2376 | 2379 | 2383 | rBV  | 365    | 247    | 0.03%  | 0.004%  |
| 54 | 8.783  | 2394 | 2408 | 2433 | rBV  | 406738 | 680844 | 80.64% | 12.036% |
| 55 | 9.069  | 2495 | 2497 | 2503 | rBV3 | 449    | 379    | 0.04%  | 0.007%  |
| 56 | 9.159  | 2523 | 2525 | 2528 | rBV3 | 480    | 273    | 0.03%  | 0.005%  |
| 57 | 9.217  | 2540 | 2543 | 2544 | rBV2 | 313    | 181    | 0.02%  | 0.003%  |
| 58 | 9.310  | 2570 | 2572 | 2574 | rBV  | 305    | 183    | 0.02%  | 0.003%  |
| 59 | 9.345  | 2579 | 2583 | 2587 | rVV3 | 156    | 142    | 0.02%  | 0.003%  |
| 60 | 9.458  | 2615 | 2618 | 2620 | rBV2 | 176    | 132    | 0.02%  | 0.002%  |
| 61 | 9.551  | 2643 | 2647 | 2654 | rBV3 | 441    | 569    | 0.07%  | 0.010%  |
| 62 | 9.670  | 2682 | 2684 | 2685 | rBV  | 286    | 108    | 0.01%  | 0.002%  |
| 63 | 9.783  | 2716 | 2719 | 2720 | rBV  | 247    | 117    | 0.01%  | 0.002%  |
| 64 | 9.969  | 2774 | 2777 | 2780 | rBV2 | 171    | 122    | 0.01%  | 0.002%  |
| 65 | 10.011 | 2787 | 2790 | 2794 | rVB  | 308    | 243    | 0.03%  | 0.004%  |
| 66 | 10.033 | 2794 | 2797 | 2800 | rBV2 | 262    | 146    | 0.02%  | 0.003%  |
| 67 | 10.050 | 2800 | 2802 | 2805 | rVB  | 266    | 144    | 0.02%  | 0.003%  |
| 68 | 10.152 | 2822 | 2834 | 2862 | rBV  | 158353 | 261106 | 30.93% | 4.616%  |
| 69 | 10.410 | 2911 | 2914 | 2917 | rBV2 | 185    | 130    | 0.02%  | 0.002%  |
| 70 | 10.525 | 2947 | 2950 | 2953 | rVB2 | 210    | 111    | 0.01%  | 0.002%  |
| 71 | 10.554 | 2953 | 2959 | 2963 | rBV2 | 201    | 218    | 0.03%  | 0.004%  |
| 72 | 10.686 | 2997 | 3000 | 3003 | rVB2 | 220    | 127    | 0.02%  | 0.002%  |
| 73 | 10.709 | 3004 | 3007 | 3012 | rVB2 | 324    | 245    | 0.03%  | 0.004%  |
| 74 | 10.767 | 3022 | 3025 | 3026 | rBV  | 258    | 121    | 0.01%  | 0.002%  |
| 75 | 10.853 | 3048 | 3052 | 3055 | rBV2 | 230    | 157    | 0.02%  | 0.003%  |
| 76 | 10.889 | 3061 | 3063 | 3067 | rBV2 | 258    | 160    | 0.02%  | 0.003%  |

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 A4CH4

Integration Parameters: LSCINT.P

Integrator: RTE

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Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.927 | 3073 | 3075 | 3079 | rVB  | 395    | 170    | 0.02%  | 0.003% |
| 78  | 11.001 | 3096 | 3098 | 3101 | rBV  | 145    | 102    | 0.01%  | 0.002% |
| 79  | 11.066 | 3114 | 3118 | 3119 | rBV2 | 188    | 129    | 0.02%  | 0.002% |
| 80  | 11.078 | 3119 | 3122 | 3127 | rVV2 | 580    | 545    | 0.06%  | 0.010% |
|     |        |      |      |      |      |        |        |        |        |
| 81  | 11.185 | 3145 | 3155 | 3181 | rBV  | 243656 | 391348 | 46.35% | 6.918% |
| 82  | 11.561 | 3260 | 3272 | 3289 | rBV  | 193661 | 311991 | 36.95% | 5.515% |
| 83  | 11.828 | 3351 | 3355 | 3358 | rBV3 | 366    | 313    | 0.04%  | 0.006% |
| 84  | 11.857 | 3362 | 3364 | 3367 | rVB  | 317    | 125    | 0.01%  | 0.002% |
| 85  | 11.943 | 3388 | 3391 | 3393 | rBV2 | 297    | 171    | 0.02%  | 0.003% |
|     |        |      |      |      |      |        |        |        |        |
| 86  | 11.992 | 3404 | 3406 | 3409 | rBV2 | 308    | 145    | 0.02%  | 0.003% |
| 87  | 12.008 | 3409 | 3411 | 3417 | rVB  | 335    | 220    | 0.03%  | 0.004% |
| 88  | 12.117 | 3442 | 3445 | 3448 | rBV2 | 240    | 192    | 0.02%  | 0.003% |
| 89  | 12.133 | 3448 | 3450 | 3452 | rVB  | 307    | 148    | 0.02%  | 0.003% |
| 90  | 12.371 | 3522 | 3524 | 3527 | rBV3 | 188    | 101    | 0.01%  | 0.002% |
|     |        |      |      |      |      |        |        |        |        |
| 91  | 12.394 | 3527 | 3531 | 3534 | rBV2 | 307    | 336    | 0.04%  | 0.006% |
| 92  | 12.496 | 3561 | 3563 | 3568 | rBV2 | 275    | 160    | 0.02%  | 0.003% |
| 93  | 12.657 | 3611 | 3613 | 3618 | rVB  | 206    | 103    | 0.01%  | 0.002% |
| 94  | 12.789 | 3652 | 3654 | 3658 | rVB  | 314    | 213    | 0.03%  | 0.004% |
| 95  | 12.828 | 3658 | 3666 | 3669 | rBV6 | 1379   | 1301   | 0.15%  | 0.023% |
|     |        |      |      |      |      |        |        |        |        |
| 96  | 12.930 | 3695 | 3698 | 3700 | rVB2 | 291    | 128    | 0.02%  | 0.002% |
| 97  | 12.947 | 3700 | 3703 | 3705 | rBV  | 481    | 247    | 0.03%  | 0.004% |
| 98  | 13.239 | 3791 | 3794 | 3797 | rBV2 | 413    | 308    | 0.04%  | 0.005% |
| 99  | 13.406 | 3844 | 3846 | 3849 | rVB3 | 443    | 204    | 0.02%  | 0.004% |
| 100 | 15.342 | 4446 | 4448 | 4453 | rBV4 | 677    | 526    | 0.06%  | 0.009% |

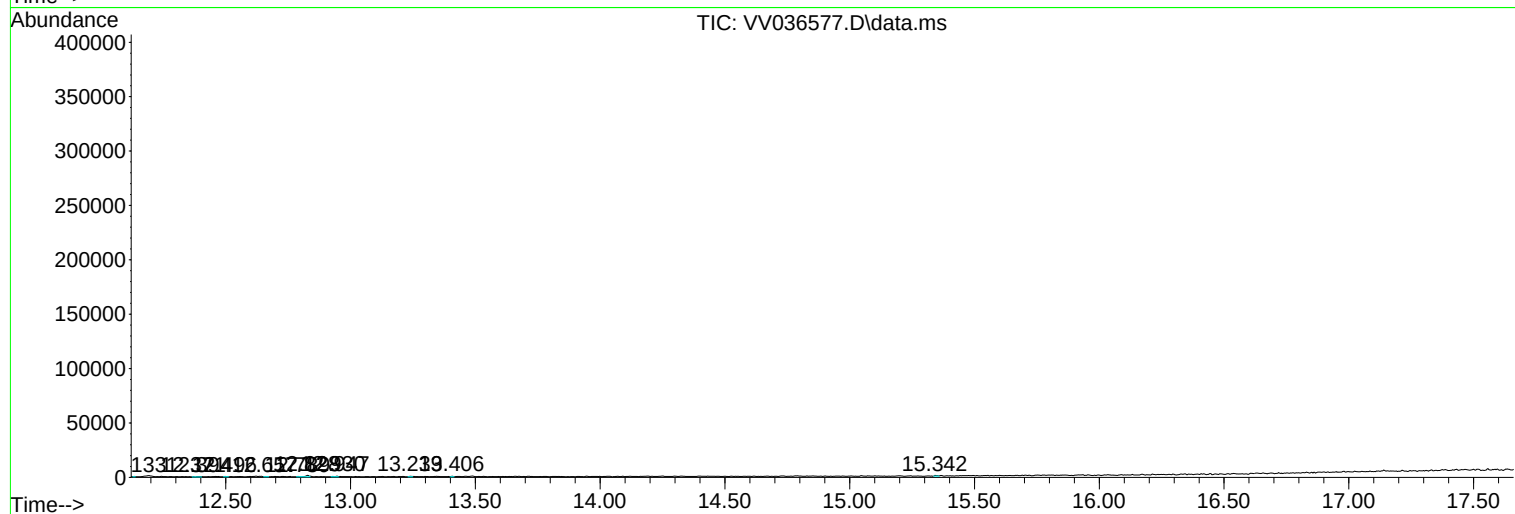
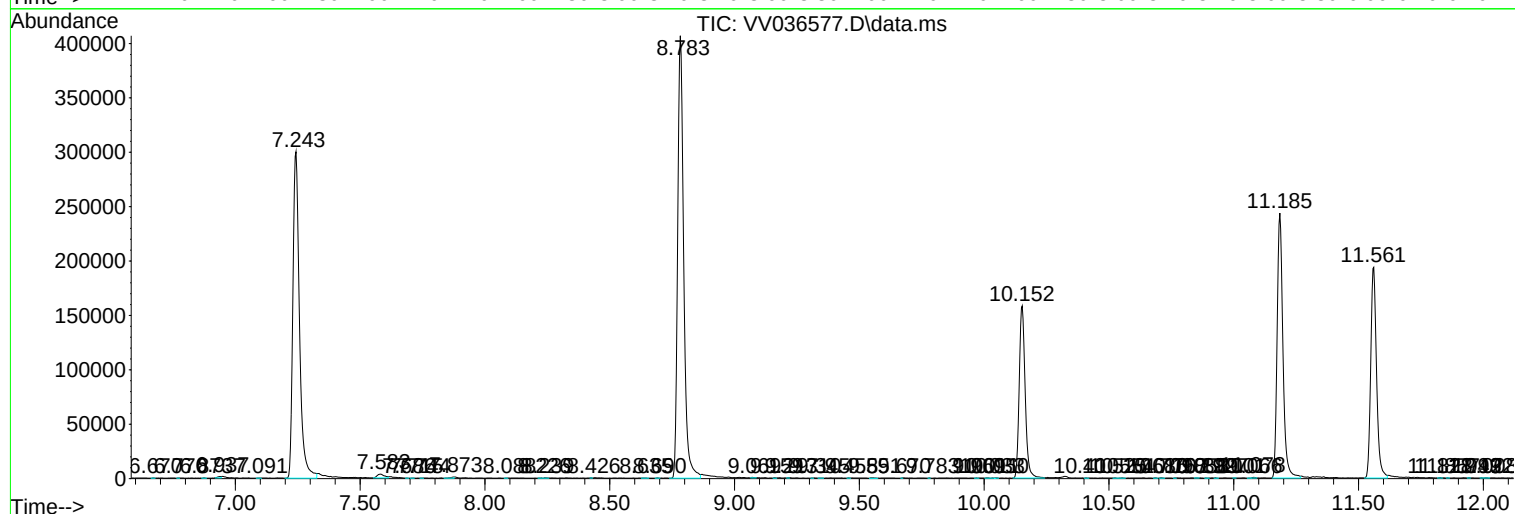
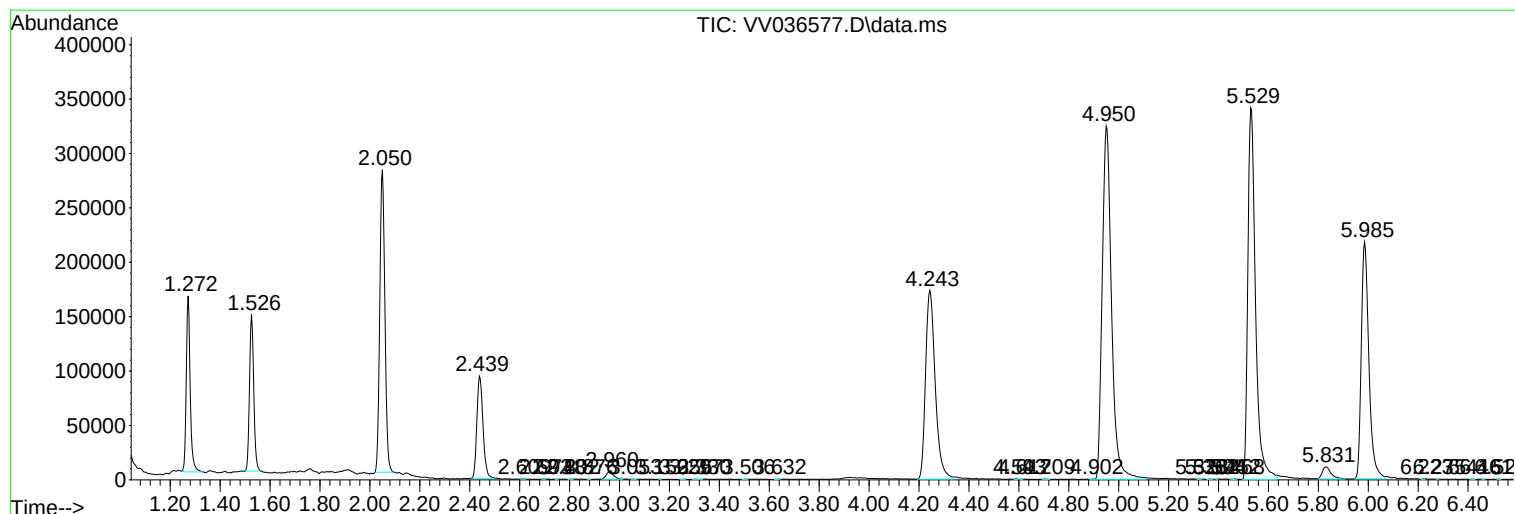
Sum of corrected areas: 5656709

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ClientSampleId :  
A4CH4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071624\  
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No Library Search Compounds Detected

\*\*\*\*\*

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| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
|------------------|----|---------|-------|----------|---|----|------|------|
|------------------|----|---------|-------|----------|---|----|------|------|