

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\  
 Data File : VU026116.D  
 Acq On : 14 Aug 2018 21:57  
 Operator : MD/SY  
 Sample : VU0814WBL02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK52

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Title : VOC Analysis

Signal : TIC

| 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         | 0.722       | 38            | 41          | 44           | rVV2     | 139            | 103           | 0.01%           | 0.001%        |
| 2         | 0.825       | 70            | 73          | 77           | rBV2     | 415            | 350           | 0.03%           | 0.004%        |
| 3         | 0.883       | 88            | 91          | 93           | rBV      | 115            | 97            | 0.01%           | 0.001%        |
| 4         | 0.937       | 103           | 108         | 112          | rBV      | 378            | 424           | 0.04%           | 0.005%        |
| 5         | 0.960       | 113           | 115         | 120          | rVB2     | 280            | 190           | 0.02%           | 0.002%        |
| 6         | 0.992       | 120           | 125         | 127          | rBV2     | 194            | 202           | 0.02%           | 0.002%        |
| 7         | 1.037       | 136           | 139         | 141          | rBV      | 586            | 388           | 0.04%           | 0.004%        |
| 8         | 1.088       | 146           | 155         | 176          | rVV      | 854957         | 962164        | 92.43%          | 11.003%       |
| 9         | 1.400       | 245           | 252         | 262          | rBV      | 107754         | 113905        | 10.94%          | 1.303%        |
| 10        | 1.674       | 330           | 337         | 358          | rVB      | 91617          | 123795        | 11.89%          | 1.416%        |
| 11        | 2.272       | 513           | 523         | 536          | rVB      | 194971         | 294211        | 28.26%          | 3.364%        |
| 12        | 2.838       | 692           | 699         | 710          | rVB4     | 1645           | 2992          | 0.29%           | 0.034%        |
| 13        | 2.918       | 721           | 724         | 726          | rBV      | 292            | 185           | 0.02%           | 0.002%        |
| 14        | 2.953       | 731           | 735         | 738          | rBV      | 324            | 287           | 0.03%           | 0.003%        |
| 15        | 2.985       | 738           | 745         | 749          | rBV2     | 708            | 967           | 0.09%           | 0.011%        |
| 16        | 3.117       | 785           | 786         | 789          | rVB      | 237            | 96            | 0.01%           | 0.001%        |
| 17        | 3.227       | 816           | 820         | 822          | rBV2     | 177            | 116           | 0.01%           | 0.001%        |
| 18        | 3.249       | 823           | 827         | 829          | rBV3     | 351            | 263           | 0.03%           | 0.003%        |
| 19        | 3.378       | 865           | 867         | 871          | rBV2     | 314            | 219           | 0.02%           | 0.003%        |
| 20        | 3.397       | 871           | 873         | 875          | rBV2     | 197            | 126           | 0.01%           | 0.001%        |
| 21        | 3.513       | 906           | 909         | 911          | rBV      | 293            | 239           | 0.02%           | 0.003%        |
| 22        | 3.558       | 919           | 923         | 924          | rBV      | 260            | 175           | 0.02%           | 0.002%        |
| 23        | 3.603       | 930           | 937         | 940          | rBB3     | 455            | 426           | 0.04%           | 0.005%        |
| 24        | 3.632       | 940           | 946         | 951          | rBV3     | 332            | 422           | 0.04%           | 0.005%        |
| 25        | 3.738       | 977           | 979         | 982          | rBV2     | 364            | 229           | 0.02%           | 0.003%        |
| 26        | 3.789       | 989           | 995         | 998          | rBV2     | 313            | 317           | 0.03%           | 0.004%        |
| 27        | 3.809       | 998           | 1001        | 1003         | rBV2     | 209            | 142           | 0.01%           | 0.002%        |
| 28        | 3.828       | 1003          | 1007        | 1012         | rBV2     | 204            | 202           | 0.02%           | 0.002%        |
| 29        | 3.866       | 1016          | 1019        | 1020         | rBV      | 192            | 128           | 0.01%           | 0.001%        |
| 30        | 3.899       | 1025          | 1029        | 1033         | rBV3     | 317            | 253           | 0.02%           | 0.003%        |
| 31        | 4.066       | 1077          | 1081        | 1083         | rBV2     | 259            | 214           | 0.02%           | 0.002%        |
| 32        | 4.082       | 1083          | 1086        | 1092         | rVB      | 546            | 473           | 0.05%           | 0.005%        |
| 33        | 4.117       | 1092          | 1097        | 1100         | rBV2     | 233            | 215           | 0.02%           | 0.002%        |
| 34        | 4.175       | 1100          | 1115        | 1145         | rBV      | 96084          | 254974        | 24.49%          | 2.916%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 4.516 | 1218 | 1221 | 1224 | rVB2 | 359    | 243     | 0.02%   | 0.003%  |
| 36 | 4.545 | 1227 | 1230 | 1232 | rBV2 | 668    | 448     | 0.04%   | 0.005%  |
| 37 | 4.651 | 1247 | 1263 | 1288 | rVB  | 185451 | 433118  | 41.61%  | 4.953%  |
| 38 | 4.886 | 1327 | 1336 | 1338 | rBV4 | 799    | 1108    | 0.11%   | 0.013%  |
| 39 | 4.937 | 1347 | 1352 | 1354 | rBV  | 676    | 571     | 0.05%   | 0.007%  |
| 40 | 5.056 | 1386 | 1389 | 1391 | rBV2 | 254    | 142     | 0.01%   | 0.002%  |
| 41 | 5.188 | 1427 | 1430 | 1434 | rBV2 | 290    | 257     | 0.02%   | 0.003%  |
| 42 | 5.342 | 1453 | 1478 | 1499 | rBV2 | 341072 | 1040958 | 100.00% | 11.904% |
| 43 | 5.567 | 1546 | 1548 | 1551 | rVB  | 277    | 137     | 0.01%   | 0.002%  |
| 44 | 5.587 | 1551 | 1554 | 1557 | rVB2 | 249    | 180     | 0.02%   | 0.002%  |
| 45 | 5.609 | 1557 | 1561 | 1565 | rVB2 | 271    | 233     | 0.02%   | 0.003%  |
| 46 | 5.632 | 1565 | 1568 | 1569 | rBV  | 228    | 152     | 0.01%   | 0.002%  |
| 47 | 5.706 | 1588 | 1591 | 1593 | rBV2 | 382    | 245     | 0.02%   | 0.003%  |
| 48 | 5.744 | 1599 | 1603 | 1605 | rBV2 | 393    | 299     | 0.03%   | 0.003%  |
| 49 | 5.889 | 1634 | 1648 | 1677 | rBV  | 306172 | 600566  | 57.69%  | 6.868%  |
| 50 | 6.107 | 1711 | 1716 | 1724 | rBV3 | 354    | 292     | 0.03%   | 0.003%  |
| 51 | 6.178 | 1731 | 1738 | 1748 | rBV6 | 1811   | 3225    | 0.31%   | 0.037%  |
| 52 | 6.333 | 1772 | 1786 | 1808 | rBV  | 241981 | 484000  | 46.50%  | 5.535%  |
| 53 | 6.587 | 1862 | 1865 | 1868 | rBV2 | 239    | 160     | 0.02%   | 0.002%  |
| 54 | 6.603 | 1868 | 1870 | 1873 | rVV2 | 245    | 124     | 0.01%   | 0.001%  |
| 55 | 6.664 | 1887 | 1889 | 1892 | rBV2 | 230    | 157     | 0.02%   | 0.002%  |
| 56 | 6.689 | 1894 | 1897 | 1900 | rBV2 | 225    | 147     | 0.01%   | 0.002%  |
| 57 | 6.760 | 1916 | 1919 | 1925 | rVB3 | 559    | 408     | 0.04%   | 0.005%  |
| 58 | 6.812 | 1932 | 1935 | 1937 | rVB2 | 280    | 141     | 0.01%   | 0.002%  |
| 59 | 6.863 | 1941 | 1951 | 1965 | rBV7 | 2048   | 5117    | 0.49%   | 0.059%  |
| 60 | 7.011 | 1993 | 1997 | 1998 | rBV  | 313    | 207     | 0.02%   | 0.002%  |
| 61 | 7.062 | 2009 | 2013 | 2018 | rVB  | 385    | 323     | 0.03%   | 0.004%  |
| 62 | 7.091 | 2019 | 2022 | 2031 | rBV3 | 329    | 466     | 0.04%   | 0.005%  |
| 63 | 7.127 | 2031 | 2033 | 2036 | rVB2 | 269    | 102     | 0.01%   | 0.001%  |
| 64 | 7.159 | 2039 | 2043 | 2045 | rBV  | 319    | 238     | 0.02%   | 0.003%  |
| 65 | 7.230 | 2053 | 2065 | 2082 | rBV  | 133430 | 234477  | 22.53%  | 2.681%  |
| 66 | 7.426 | 2124 | 2126 | 2128 | rVB  | 247    | 113     | 0.01%   | 0.001%  |
| 67 | 7.451 | 2128 | 2134 | 2135 | rBV2 | 577    | 464     | 0.04%   | 0.005%  |
| 68 | 7.513 | 2147 | 2153 | 2155 | rBV2 | 478    | 501     | 0.05%   | 0.006%  |
| 69 | 7.567 | 2157 | 2170 | 2186 | rBV  | 451221 | 782502  | 75.17%  | 8.948%  |
| 70 | 7.850 | 2247 | 2258 | 2277 | rBV  | 94191  | 161852  | 15.55%  | 1.851%  |
| 71 | 8.191 | 2350 | 2364 | 2373 | rBV3 | 28108  | 74728   | 7.18%   | 0.855%  |

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Filtering: 5  
 Min Area: 0 % of largest Peak  
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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 8.313  | 2393 | 2402 | 2431 | rVB  | 298520 | 519365 | 49.89% | 5.939% |
| 73  | 8.590  | 2485 | 2488 | 2489 | rBV3 | 586    | 366    | 0.04%  | 0.004% |
| 74  | 8.699  | 2516 | 2522 | 2525 | rBV3 | 461    | 447    | 0.04%  | 0.005% |
| 75  | 8.715  | 2525 | 2527 | 2530 | rBV2 | 243    | 172    | 0.02%  | 0.002% |
| 76  | 8.860  | 2567 | 2572 | 2580 | rBV3 | 423    | 625    | 0.06%  | 0.007% |
| 77  | 8.934  | 2591 | 2595 | 2597 | rBV2 | 381    | 275    | 0.03%  | 0.003% |
| 78  | 9.001  | 2613 | 2616 | 2617 | rBV  | 213    | 122    | 0.01%  | 0.001% |
| 79  | 9.091  | 2632 | 2644 | 2665 | rBV  | 431188 | 712776 | 68.47% | 8.151% |
| 80  | 9.381  | 2727 | 2734 | 2740 | rBV5 | 1136   | 1703   | 0.16%  | 0.019% |
| 81  | 9.419  | 2743 | 2746 | 2749 | rBV2 | 195    | 171    | 0.02%  | 0.002% |
| 82  | 9.467  | 2755 | 2761 | 2764 | rBV3 | 379    | 389    | 0.04%  | 0.004% |
| 83  | 9.577  | 2792 | 2795 | 2798 | rBV  | 260    | 164    | 0.02%  | 0.002% |
| 84  | 9.635  | 2810 | 2813 | 2815 | rBV2 | 285    | 190    | 0.02%  | 0.002% |
| 85  | 9.657  | 2815 | 2820 | 2823 | rVV2 | 256    | 252    | 0.02%  | 0.003% |
| 86  | 9.789  | 2854 | 2861 | 2869 | rBV7 | 1451   | 2325   | 0.22%  | 0.027% |
| 87  | 9.908  | 2895 | 2898 | 2900 | rBV2 | 321    | 229    | 0.02%  | 0.003% |
| 88  | 9.995  | 2922 | 2925 | 2927 | rBV  | 276    | 182    | 0.02%  | 0.002% |
| 89  | 10.162 | 2971 | 2977 | 2978 | rBV2 | 669    | 587    | 0.06%  | 0.007% |
| 90  | 10.226 | 2995 | 2997 | 3000 | rBV2 | 247    | 125    | 0.01%  | 0.001% |
| 91  | 10.432 | 3050 | 3061 | 3077 | rBV  | 351466 | 566287 | 54.40% | 6.476% |
| 92  | 10.619 | 3109 | 3119 | 3131 | rVB4 | 9502   | 19699  | 1.89%  | 0.225% |
| 93  | 10.815 | 3176 | 3180 | 3182 | rBV  | 479    | 299    | 0.03%  | 0.003% |
| 94  | 10.908 | 3204 | 3209 | 3213 | rBV3 | 440    | 479    | 0.05%  | 0.005% |
| 95  | 10.963 | 3224 | 3226 | 3227 | rBV  | 226    | 125    | 0.01%  | 0.001% |
| 96  | 11.130 | 3273 | 3278 | 3282 | rBV2 | 382    | 409    | 0.04%  | 0.005% |
| 97  | 11.487 | 3377 | 3389 | 3406 | rBV  | 367855 | 596036 | 57.26% | 6.816% |
| 98  | 11.863 | 3493 | 3506 | 3526 | rBV  | 449639 | 732735 | 70.39% | 8.379% |
| 99  | 12.422 | 3678 | 3680 | 3682 | rBV2 | 306    | 178    | 0.02%  | 0.002% |
| 100 | 12.458 | 3688 | 3691 | 3692 | rBV2 | 365    | 223    | 0.02%  | 0.003% |

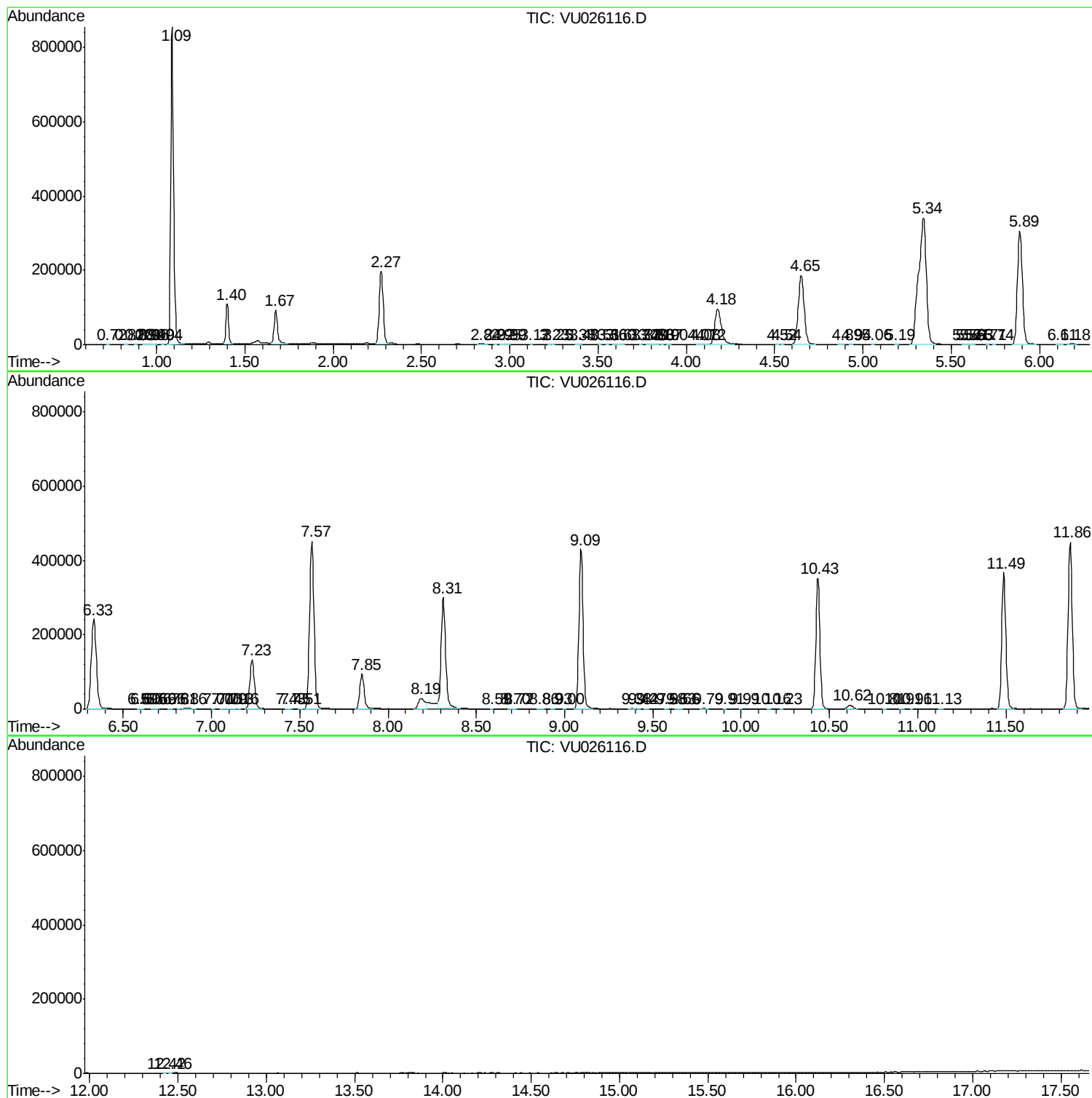
Sum of corrected areas: 8744825

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU081418\  
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TIC Library : C:\DATABASE\NIST11.L  
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No Library Search Compounds Detected

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