

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\  
 Data File : VU030345.D  
 Acq On : 23 Mar 2019 17:18  
 Operator : JC/SP  
 Sample : K2065-21  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF5R2

## 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\SOMULM032319WMA.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         | 1.183       | 25            | 29          | 35           | rVB      | 11418          | 9861          | 0.58%           | 0.074%        |
| 2         | 1.399       | 89            | 96          | 107          | rBV      | 248643         | 253081        | 14.81%          | 1.897%        |
| 3         | 1.678       | 176           | 183         | 201          | rVB      | 177588         | 225561        | 13.20%          | 1.691%        |
| 4         | 2.270       | 357           | 367         | 380          | rBV      | 379662         | 569609        | 33.33%          | 4.270%        |
| 5         | 2.453       | 420           | 424         | 425          | rVV      | 1647           | 1192          | 0.07%           | 0.009%        |
| 6         | 2.473       | 426           | 430         | 439          | rVB3     | 4907           | 7516          | 0.44%           | 0.056%        |
| 7         | 2.608       | 468           | 472         | 480          | rBV      | 2629           | 3736          | 0.22%           | 0.028%        |
| 8         | 2.646       | 481           | 484         | 489          | rVB2     | 1405           | 1022          | 0.06%           | 0.008%        |
| 9         | 2.913       | 564           | 567         | 571          | rVB      | 1789           | 1530          | 0.09%           | 0.011%        |
| 10        | 2.952       | 571           | 579         | 583          | rBV      | 1269           | 1644          | 0.10%           | 0.012%        |
| 11        | 2.984       | 583           | 589         | 590          | rBV4     | 1368           | 1242          | 0.07%           | 0.009%        |
| 12        | 3.029       | 598           | 603         | 608          | rVB      | 1708           | 1638          | 0.10%           | 0.012%        |
| 13        | 3.055       | 608           | 611         | 614          | rBV      | 914            | 859           | 0.05%           | 0.006%        |
| 14        | 3.090       | 620           | 622         | 630          | rVB2     | 1637           | 1329          | 0.08%           | 0.010%        |
| 15        | 3.132       | 630           | 635         | 639          | rBV      | 2058           | 2214          | 0.13%           | 0.017%        |
| 16        | 3.173       | 644           | 648         | 653          | rVB      | 1334           | 1441          | 0.08%           | 0.011%        |
| 17        | 3.235       | 661           | 667         | 672          | rVB      | 1953           | 2525          | 0.15%           | 0.019%        |
| 18        | 3.267       | 672           | 677         | 680          | rBV      | 1110           | 1052          | 0.06%           | 0.008%        |
| 19        | 3.328       | 693           | 696         | 699          | rVB      | 2097           | 1418          | 0.08%           | 0.011%        |
| 20        | 3.354       | 699           | 704         | 706          | rBV      | 2109           | 1965          | 0.11%           | 0.015%        |
| 21        | 3.405       | 717           | 720         | 722          | rBV      | 1701           | 1160          | 0.07%           | 0.009%        |
| 22        | 3.534       | 755           | 760         | 763          | rBV      | 1942           | 1891          | 0.11%           | 0.014%        |
| 23        | 3.627       | 786           | 789         | 793          | rVB      | 1615           | 1012          | 0.06%           | 0.008%        |
| 24        | 3.797       | 838           | 842         | 848          | rVB      | 1500           | 1508          | 0.09%           | 0.011%        |
| 25        | 3.839       | 848           | 855         | 859          | rBV3     | 1369           | 2201          | 0.13%           | 0.016%        |
| 26        | 3.923       | 876           | 881         | 888          | rBV      | 1900           | 2609          | 0.15%           | 0.020%        |
| 27        | 3.952       | 888           | 890         | 895          | rVB      | 1583           | 1265          | 0.07%           | 0.009%        |
| 28        | 3.987       | 896           | 901         | 906          | rBV2     | 885            | 1123          | 0.07%           | 0.008%        |
| 29        | 4.016       | 906           | 910         | 911          | rBV      | 1627           | 1075          | 0.06%           | 0.008%        |
| 30        | 4.173       | 947           | 959         | 988          | rBV      | 167011         | 447729        | 26.20%          | 3.356%        |
| 31        | 4.382       | 1021          | 1024        | 1029         | rBV      | 1343           | 1116          | 0.07%           | 0.008%        |
| 32        | 4.485       | 1053          | 1056        | 1058         | rBV2     | 1298           | 987           | 0.06%           | 0.007%        |
| 33        | 4.537       | 1069          | 1072        | 1080         | rVB2     | 2108           | 2064          | 0.12%           | 0.015%        |
| 34        | 4.643       | 1089          | 1105        | 1129         | rBV      | 269761         | 644670        | 37.72%          | 4.832%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 4.829 | 1159 | 1163 | 1166 | rBV  | 1740   | 1280    | 0.07%   | 0.010%  |
| 36 | 4.964 | 1202 | 1205 | 1206 | rBV  | 1383   | 850     | 0.05%   | 0.006%  |
| 37 | 5.009 | 1215 | 1219 | 1221 | rVV  | 1278   | 1059    | 0.06%   | 0.008%  |
| 38 | 5.135 | 1254 | 1258 | 1259 | rBV  | 1486   | 972     | 0.06%   | 0.007%  |
| 39 | 5.186 | 1271 | 1274 | 1278 | rVB  | 1629   | 1037    | 0.06%   | 0.008%  |
| 40 | 5.337 | 1297 | 1321 | 1346 | rBV2 | 573906 | 1709102 | 100.00% | 12.811% |
| 41 | 5.562 | 1384 | 1391 | 1396 | rBV  | 2025   | 2543    | 0.15%   | 0.019%  |
| 42 | 5.604 | 1401 | 1404 | 1407 | rVB  | 1882   | 1157    | 0.07%   | 0.009%  |
| 43 | 5.633 | 1409 | 1413 | 1420 | rVB2 | 1619   | 1884    | 0.11%   | 0.014%  |
| 44 | 5.675 | 1423 | 1426 | 1431 | rBV  | 1340   | 1001    | 0.06%   | 0.008%  |
| 45 | 5.884 | 1478 | 1491 | 1527 | rBV  | 508463 | 1050274 | 61.45%  | 7.872%  |
| 46 | 6.128 | 1562 | 1567 | 1570 | rBV  | 1123   | 1129    | 0.07%   | 0.008%  |
| 47 | 6.167 | 1575 | 1579 | 1580 | rBV  | 2141   | 1443    | 0.08%   | 0.011%  |
| 48 | 6.247 | 1601 | 1604 | 1608 | rVB  | 1130   | 856     | 0.05%   | 0.006%  |
| 49 | 6.328 | 1612 | 1629 | 1653 | rBV2 | 383975 | 785584  | 45.96%  | 5.888%  |
| 50 | 6.469 | 1670 | 1673 | 1677 | rBV  | 2023   | 1488    | 0.09%   | 0.011%  |
| 51 | 6.630 | 1717 | 1723 | 1725 | rBV  | 1013   | 1093    | 0.06%   | 0.008%  |
| 52 | 6.714 | 1744 | 1749 | 1753 | rVB  | 2142   | 2231    | 0.13%   | 0.017%  |
| 53 | 6.736 | 1753 | 1756 | 1758 | rBV  | 1669   | 1058    | 0.06%   | 0.008%  |
| 54 | 6.775 | 1765 | 1768 | 1772 | rBV  | 1069   | 962     | 0.06%   | 0.007%  |
| 55 | 6.829 | 1782 | 1785 | 1788 | rVB  | 1303   | 909     | 0.05%   | 0.007%  |
| 56 | 6.871 | 1795 | 1798 | 1808 | rVB  | 1567   | 2028    | 0.12%   | 0.015%  |
| 57 | 6.913 | 1808 | 1811 | 1815 | rVB  | 1571   | 1122    | 0.07%   | 0.008%  |
| 58 | 6.935 | 1815 | 1818 | 1822 | rBV  | 1156   | 1175    | 0.07%   | 0.009%  |
| 59 | 6.987 | 1830 | 1834 | 1836 | rBV  | 1069   | 962     | 0.06%   | 0.007%  |
| 60 | 7.058 | 1853 | 1856 | 1864 | rVB  | 1383   | 1529    | 0.09%   | 0.011%  |
| 61 | 7.096 | 1864 | 1868 | 1873 | rVB  | 1660   | 1293    | 0.08%   | 0.010%  |
| 62 | 7.122 | 1873 | 1876 | 1879 | rBV  | 1153   | 923     | 0.05%   | 0.007%  |
| 63 | 7.225 | 1897 | 1908 | 1929 | rBV  | 214242 | 400247  | 23.42%  | 3.000%  |
| 64 | 7.373 | 1950 | 1954 | 1956 | rBV2 | 1599   | 1330    | 0.08%   | 0.010%  |
| 65 | 7.421 | 1965 | 1969 | 1973 | rBV5 | 877    | 925     | 0.05%   | 0.007%  |
| 66 | 7.469 | 1976 | 1984 | 1990 | rBV5 | 5576   | 9138    | 0.53%   | 0.068%  |
| 67 | 7.562 | 2001 | 2013 | 2033 | rBV  | 745359 | 1335102 | 78.12%  | 10.007% |
| 68 | 7.771 | 2075 | 2078 | 2082 | rBV  | 1502   | 1102    | 0.06%   | 0.008%  |
| 69 | 7.849 | 2092 | 2102 | 2121 | rBV  | 147660 | 265198  | 15.52%  | 1.988%  |
| 70 | 8.061 | 2164 | 2168 | 2170 | rBV  | 1709   | 1313    | 0.08%   | 0.010%  |
| 71 | 8.173 | 2196 | 2203 | 2215 | rBV3 | 7973   | 12840   | 0.75%   | 0.096%  |

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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\SOMULM032319WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 8.308  | 2234 | 2245 | 2285 | rBV  | 539641 | 1050200 | 61.45% | 7.872% |
| 73  | 8.469  | 2289 | 2295 | 2304 | rVV5 | 5973   | 9581    | 0.56%  | 0.072% |
| 74  | 8.646  | 2346 | 2350 | 2352 | rBV  | 1917   | 1395    | 0.08%  | 0.010% |
| 75  | 8.733  | 2374 | 2377 | 2378 | rBV  | 1420   | 905     | 0.05%  | 0.007% |
| 76  | 8.916  | 2432 | 2434 | 2440 | rBV  | 1094   | 973     | 0.06%  | 0.007% |
| 77  | 9.086  | 2475 | 2487 | 2511 | rBV  | 751916 | 1274968 | 74.60% | 9.557% |
| 78  | 9.938  | 2747 | 2752 | 2754 | rBV  | 1590   | 1546    | 0.09%  | 0.012% |
| 79  | 10.106 | 2800 | 2804 | 2807 | rBV  | 1684   | 1618    | 0.09%  | 0.012% |
| 80  | 10.427 | 2893 | 2904 | 2926 | rBV  | 498351 | 822309  | 48.11% | 6.164% |
| 81  | 10.604 | 2949 | 2959 | 2966 | rBV6 | 7715   | 13429   | 0.79%  | 0.101% |
| 82  | 11.064 | 3100 | 3102 | 3106 | rBV  | 1573   | 906     | 0.05%  | 0.007% |
| 83  | 11.295 | 3171 | 3174 | 3176 | rBV  | 1462   | 949     | 0.06%  | 0.007% |
| 84  | 11.421 | 3206 | 3213 | 3220 | rBV2 | 5413   | 7394    | 0.43%  | 0.055% |
| 85  | 11.482 | 3220 | 3232 | 3259 | rVV  | 712588 | 1166475 | 68.25% | 8.743% |
| 86  | 11.858 | 3337 | 3349 | 3368 | rBV  | 678825 | 1125459 | 65.85% | 8.436% |
| 87  | 12.408 | 3515 | 3520 | 3522 | rBV  | 1998   | 2269    | 0.13%  | 0.017% |
| 88  | 12.652 | 3593 | 3596 | 3597 | rBV2 | 2275   | 1286    | 0.08%  | 0.010% |
| 89  | 12.700 | 3609 | 3611 | 3615 | rBV  | 1495   | 1065    | 0.06%  | 0.008% |
| 90  | 12.887 | 3663 | 3669 | 3679 | rBV4 | 8549   | 14711   | 0.86%  | 0.110% |
| 91  | 13.028 | 3710 | 3713 | 3717 | rBV  | 1854   | 1507    | 0.09%  | 0.011% |
| 92  | 13.115 | 3737 | 3740 | 3743 | rBV  | 1956   | 1383    | 0.08%  | 0.010% |
| 93  | 13.225 | 3771 | 3774 | 3778 | rBV  | 1807   | 1722    | 0.10%  | 0.013% |
| 94  | 13.434 | 3836 | 3839 | 3840 | rBV  | 1611   | 990     | 0.06%  | 0.007% |
| 95  | 13.909 | 3983 | 3987 | 3990 | rBV  | 2636   | 2158    | 0.13%  | 0.016% |
| 96  | 13.993 | 4006 | 4013 | 4030 | rBV5 | 12273  | 23635   | 1.38%  | 0.177% |
| 97  | 14.257 | 4092 | 4095 | 4097 | rBV  | 1392   | 914     | 0.05%  | 0.007% |
| 98  | 14.546 | 4181 | 4185 | 4191 | rBV  | 2193   | 3526    | 0.21%  | 0.026% |
| 99  | 14.771 | 4252 | 4255 | 4260 | rBV2 | 1552   | 1366    | 0.08%  | 0.010% |
| 100 | 15.105 | 4357 | 4359 | 4364 | rBV  | 1799   | 1473    | 0.09%  | 0.011% |

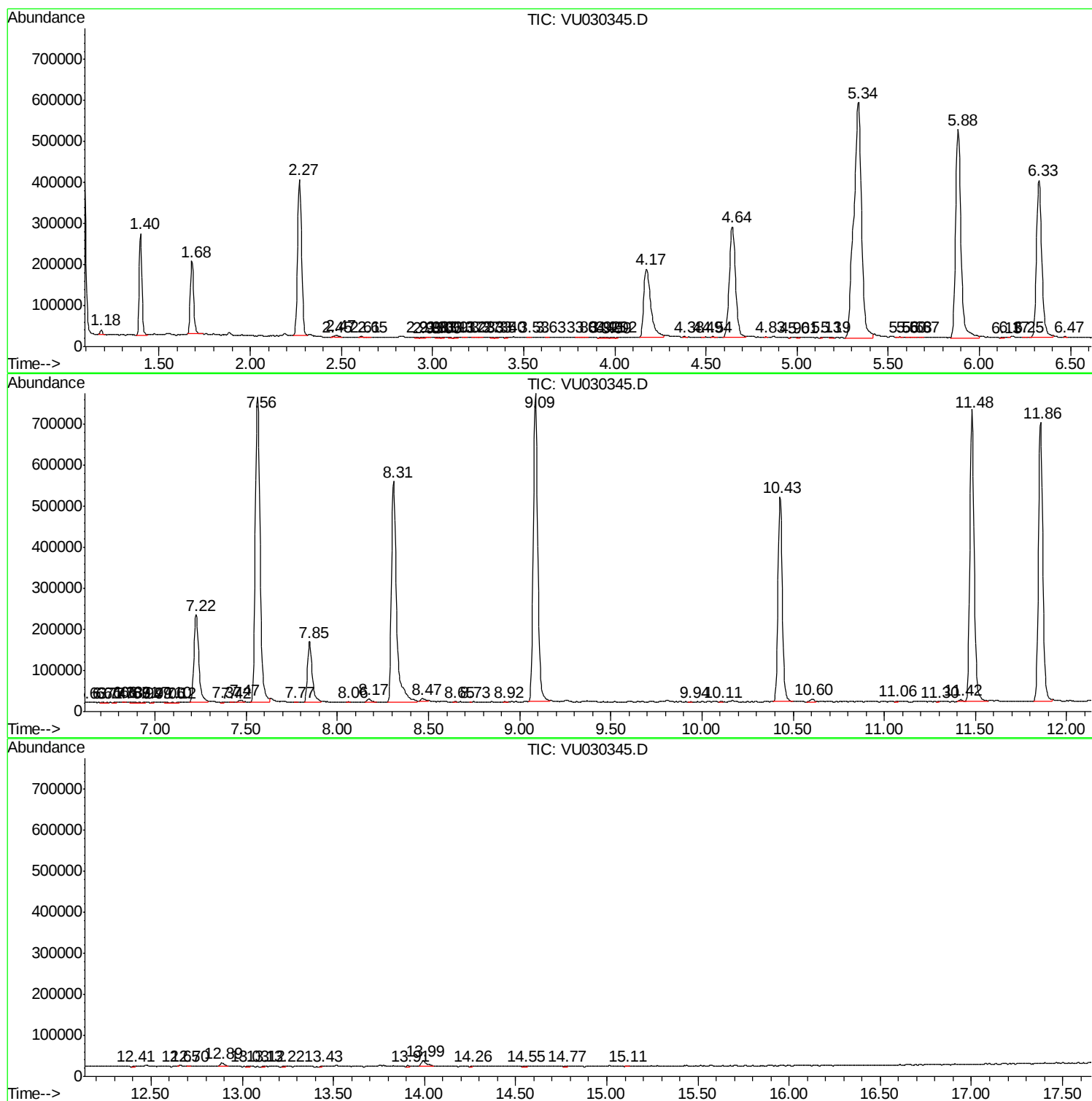
Sum of corrected areas: 13341096

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU032319\  
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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          |