

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\  
 Data File : VU030255.D  
 Acq On : 21 Mar 2019 11:12  
 Operator : JC/SP  
 Sample : K2022-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0969

## 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\SOMULM031919WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.183    | 24         | 29       | 37        | rVB2  | 11942       | 11515      | 0.67%        | 0.082%     |
| 2      | 1.399    | 89         | 96       | 107       | rBV   | 266280      | 266619     | 15.54%       | 1.888%     |
| 3      | 1.682    | 175        | 184      | 199       | rVB   | 194902      | 247468     | 14.42%       | 1.752%     |
| 4      | 1.887    | 242        | 248      | 256       | rVB5  | 6196        | 8098       | 0.47%        | 0.057%     |
| 5      | 2.270    | 356        | 367      | 380       | rBV   | 423792      | 650603     | 37.91%       | 4.607%     |
| 6      | 2.447    | 411        | 422      | 436       | rBV3  | 11144       | 21734      | 1.27%        | 0.154%     |
| 7      | 2.624    | 474        | 477      | 481       | rVB2  | 1684        | 1163       | 0.07%        | 0.008%     |
| 8      | 2.650    | 481        | 485      | 490       | rBV2  | 1210        | 1133       | 0.07%        | 0.008%     |
| 9      | 2.707    | 496        | 503      | 505       | rBV3  | 1336        | 1485       | 0.09%        | 0.011%     |
| 10     | 2.797    | 527        | 531      | 533       | rBV   | 1573        | 1323       | 0.08%        | 0.009%     |
| 11     | 2.839    | 533        | 544      | 558       | rVV   | 30684       | 67623      | 3.94%        | 0.479%     |
| 12     | 2.910    | 564        | 566      | 569       | rVB   | 1845        | 1020       | 0.06%        | 0.007%     |
| 13     | 2.952    | 575        | 579      | 583       | rVB   | 1472        | 1391       | 0.08%        | 0.010%     |
| 14     | 3.125    | 625        | 633      | 636       | rBV   | 1857        | 2803       | 0.16%        | 0.020%     |
| 15     | 3.299    | 682        | 687      | 689       | rBV   | 1386        | 1459       | 0.09%        | 0.010%     |
| 16     | 3.373    | 701        | 710      | 711       | rBV   | 1336        | 1417       | 0.08%        | 0.010%     |
| 17     | 3.473    | 737        | 741      | 745       | rVB   | 1377        | 1233       | 0.07%        | 0.009%     |
| 18     | 3.746    | 820        | 826      | 833       | rBV   | 1264        | 1926       | 0.11%        | 0.014%     |
| 19     | 3.862    | 857        | 862      | 865       | rBV   | 1368        | 1114       | 0.06%        | 0.008%     |
| 20     | 3.884    | 865        | 869      | 873       | rBV   | 1270        | 1281       | 0.07%        | 0.009%     |
| 21     | 4.177    | 947        | 960      | 990       | rBV3  | 170420      | 495248     | 28.86%       | 3.507%     |
| 22     | 4.511    | 1061       | 1064     | 1070      | rVB   | 1589        | 1430       | 0.08%        | 0.010%     |
| 23     | 4.646    | 1087       | 1106     | 1133      | rBV   | 276396      | 671307     | 39.12%       | 4.754%     |
| 24     | 4.833    | 1158       | 1164     | 1167      | rBV2  | 1152        | 1226       | 0.07%        | 0.009%     |
| 25     | 4.974    | 1205       | 1208     | 1210      | rBV   | 1569        | 1054       | 0.06%        | 0.007%     |
| 26     | 4.990    | 1210       | 1213     | 1217      | rVB3  | 1253        | 1011       | 0.06%        | 0.007%     |
| 27     | 5.083    | 1238       | 1242     | 1246      | rVB   | 1164        | 1103       | 0.06%        | 0.008%     |
| 28     | 5.116    | 1246       | 1252     | 1254      | rBV   | 1116        | 1230       | 0.07%        | 0.009%     |
| 29     | 5.215    | 1279       | 1283     | 1287      | rVB   | 1297        | 1058       | 0.06%        | 0.007%     |
| 30     | 5.338    | 1298       | 1321     | 1356      | rBV2  | 588358      | 1716005    | 100.00%      | 12.152%    |
| 31     | 5.675    | 1423       | 1426     | 1432      | rVB2  | 1401        | 1271       | 0.07%        | 0.009%     |
| 32     | 5.736    | 1441       | 1445     | 1449      | rBV   | 1769        | 1854       | 0.11%        | 0.013%     |
| 33     | 5.884    | 1477       | 1491     | 1529      | rVV   | 566502      | 1154469    | 67.28%       | 8.175%     |
| 34     | 6.135    | 1565       | 1569     | 1571      | rBV   | 1740        | 1475       | 0.09%        | 0.010%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 6.328  | 1614 | 1629 | 1655 | rBV  | 365274 | 751419  | 43.79% | 5.321%  |
| 36 | 6.579  | 1704 | 1707 | 1710 | rBV2 | 1534   | 1034    | 0.06%  | 0.007%  |
| 37 | 6.749  | 1755 | 1760 | 1762 | rBV  | 1299   | 960     | 0.06%  | 0.007%  |
| 38 | 6.887  | 1798 | 1803 | 1806 | rVB2 | 1180   | 1009    | 0.06%  | 0.007%  |
| 39 | 6.923  | 1806 | 1814 | 1818 | rBV2 | 1598   | 2085    | 0.12%  | 0.015%  |
| 40 | 7.103  | 1866 | 1870 | 1873 | rBV2 | 1490   | 1245    | 0.07%  | 0.009%  |
| 41 | 7.173  | 1888 | 1892 | 1897 | rVB  | 1512   | 1386    | 0.08%  | 0.010%  |
| 42 | 7.225  | 1897 | 1908 | 1933 | rBV  | 207230 | 389888  | 22.72% | 2.761%  |
| 43 | 7.563  | 1998 | 2013 | 2043 | rBV  | 792565 | 1442160 | 84.04% | 10.212% |
| 44 | 7.849  | 2091 | 2102 | 2122 | rBV  | 140275 | 251293  | 14.64% | 1.779%  |
| 45 | 8.090  | 2172 | 2177 | 2179 | rBV  | 1026   | 1049    | 0.06%  | 0.007%  |
| 46 | 8.173  | 2192 | 2203 | 2215 | rVB5 | 9685   | 20530   | 1.20%  | 0.145%  |
| 47 | 8.225  | 2215 | 2219 | 2224 | rBV  | 1604   | 1317    | 0.08%  | 0.009%  |
| 48 | 8.308  | 2234 | 2245 | 2275 | rBV  | 490868 | 904519  | 52.71% | 6.405%  |
| 49 | 8.485  | 2296 | 2300 | 2303 | rBV  | 1770   | 1347    | 0.08%  | 0.010%  |
| 50 | 8.505  | 2303 | 2306 | 2310 | rVV  | 1619   | 1318    | 0.08%  | 0.009%  |
| 51 | 8.527  | 2310 | 2313 | 2319 | rVB  | 1738   | 1982    | 0.12%  | 0.014%  |
| 52 | 8.572  | 2324 | 2327 | 2335 | rBV2 | 1049   | 1087    | 0.06%  | 0.008%  |
| 53 | 8.662  | 2349 | 2355 | 2359 | rBV  | 1325   | 1602    | 0.09%  | 0.011%  |
| 54 | 8.694  | 2362 | 2365 | 2370 | rBV2 | 1135   | 1221    | 0.07%  | 0.009%  |
| 55 | 8.755  | 2381 | 2384 | 2387 | rVV  | 1737   | 1083    | 0.06%  | 0.008%  |
| 56 | 8.839  | 2406 | 2410 | 2413 | rBV2 | 1159   | 1113    | 0.06%  | 0.008%  |
| 57 | 8.919  | 2431 | 2435 | 2438 | rVB  | 1397   | 1021    | 0.06%  | 0.007%  |
| 58 | 8.939  | 2438 | 2441 | 2449 | rBV2 | 1049   | 1255    | 0.07%  | 0.009%  |
| 59 | 9.087  | 2474 | 2487 | 2517 | rBV  | 837720 | 1426266 | 83.12% | 10.100% |
| 60 | 9.251  | 2534 | 2538 | 2542 | rBV  | 1546   | 1514    | 0.09%  | 0.011%  |
| 61 | 9.366  | 2570 | 2574 | 2577 | rBV  | 1591   | 1515    | 0.09%  | 0.011%  |
| 62 | 9.453  | 2598 | 2601 | 2605 | rVB  | 1457   | 1075    | 0.06%  | 0.008%  |
| 63 | 9.521  | 2617 | 2622 | 2625 | rBV  | 1000   | 966     | 0.06%  | 0.007%  |
| 64 | 9.710  | 2677 | 2681 | 2685 | rBV2 | 1442   | 1424    | 0.08%  | 0.010%  |
| 65 | 9.778  | 2697 | 2702 | 2706 | rBV3 | 1209   | 1394    | 0.08%  | 0.010%  |
| 66 | 9.874  | 2728 | 2732 | 2736 | rBV  | 1468   | 1418    | 0.08%  | 0.010%  |
| 67 | 9.955  | 2752 | 2757 | 2766 | rVB  | 1571   | 2477    | 0.14%  | 0.018%  |
| 68 | 10.000 | 2766 | 2771 | 2774 | rBV2 | 1433   | 1644    | 0.10%  | 0.012%  |
| 69 | 10.099 | 2799 | 2802 | 2809 | rVB  | 1236   | 1593    | 0.09%  | 0.011%  |
| 70 | 10.144 | 2809 | 2816 | 2820 | rBV2 | 1267   | 1543    | 0.09%  | 0.011%  |
| 71 | 10.251 | 2845 | 2849 | 2851 | rBV  | 2143   | 1483    | 0.09%  | 0.011%  |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.334 | 2871 | 2875 | 2879 | rVB  | 1498   | 1230    | 0.07%  | 0.009% |
| 73  | 10.360 | 2879 | 2883 | 2886 | rBV  | 1523   | 1452    | 0.08%  | 0.010% |
| 74  | 10.427 | 2892 | 2904 | 2924 | rBV  | 546638 | 882369  | 51.42% | 6.248% |
| 75  | 10.527 | 2929 | 2935 | 2938 | rBV  | 1053   | 1333    | 0.08%  | 0.009% |
| 76  | 10.604 | 2952 | 2959 | 2968 | rVV2 | 8495   | 14995   | 0.87%  | 0.106% |
| 77  | 10.836 | 3025 | 3031 | 3033 | rBV2 | 1123   | 1070    | 0.06%  | 0.008% |
| 78  | 11.077 | 3099 | 3106 | 3107 | rBV  | 1380   | 1252    | 0.07%  | 0.009% |
| 79  | 11.131 | 3118 | 3123 | 3126 | rBV  | 1173   | 1059    | 0.06%  | 0.007% |
| 80  | 11.218 | 3139 | 3150 | 3156 | rVB  | 2650   | 4605    | 0.27%  | 0.033% |
| 81  | 11.267 | 3161 | 3165 | 3171 | rVB2 | 1448   | 1633    | 0.10%  | 0.012% |
| 82  | 11.302 | 3171 | 3176 | 3178 | rBV  | 1056   | 978     | 0.06%  | 0.007% |
| 83  | 11.411 | 3199 | 3210 | 3213 | rBV  | 3752   | 4919    | 0.29%  | 0.035% |
| 84  | 11.482 | 3220 | 3232 | 3263 | rBV  | 810917 | 1345732 | 78.42% | 9.530% |
| 85  | 11.855 | 3336 | 3348 | 3371 | rBV  | 745521 | 1263766 | 73.65% | 8.949% |
| 86  | 12.324 | 3492 | 3494 | 3498 | rBV  | 1489   | 1024    | 0.06%  | 0.007% |
| 87  | 12.379 | 3507 | 3511 | 3518 | rVB2 | 1676   | 1951    | 0.11%  | 0.014% |
| 88  | 12.450 | 3531 | 3533 | 3536 | rBV  | 1662   | 1089    | 0.06%  | 0.008% |
| 89  | 12.575 | 3568 | 3572 | 3575 | rBV  | 1074   | 959     | 0.06%  | 0.007% |
| 90  | 12.604 | 3575 | 3581 | 3587 | rVV2 | 1272   | 2071    | 0.12%  | 0.015% |
| 91  | 12.684 | 3600 | 3606 | 3610 | rBV2 | 2012   | 2340    | 0.14%  | 0.017% |
| 92  | 13.067 | 3721 | 3725 | 3730 | rBV2 | 1227   | 1521    | 0.09%  | 0.011% |
| 93  | 13.128 | 3740 | 3744 | 3749 | rVV2 | 940    | 979     | 0.06%  | 0.007% |
| 94  | 13.453 | 3841 | 3845 | 3849 | rVB2 | 1355   | 1001    | 0.06%  | 0.007% |
| 95  | 13.517 | 3855 | 3865 | 3869 | rBV3 | 3225   | 6004    | 0.35%  | 0.043% |
| 96  | 14.077 | 4035 | 4039 | 4042 | rBV  | 916    | 958     | 0.06%  | 0.007% |
| 97  | 14.543 | 4180 | 4184 | 4187 | rBV2 | 1343   | 1213    | 0.07%  | 0.009% |
| 98  | 14.694 | 4226 | 4231 | 4235 | rBV  | 1365   | 1457    | 0.08%  | 0.010% |
| 99  | 14.749 | 4245 | 4248 | 4252 | rBV2 | 1074   | 1124    | 0.07%  | 0.008% |
| 100 | 14.980 | 4317 | 4320 | 4330 | rBV2 | 1496   | 2188    | 0.13%  | 0.015% |

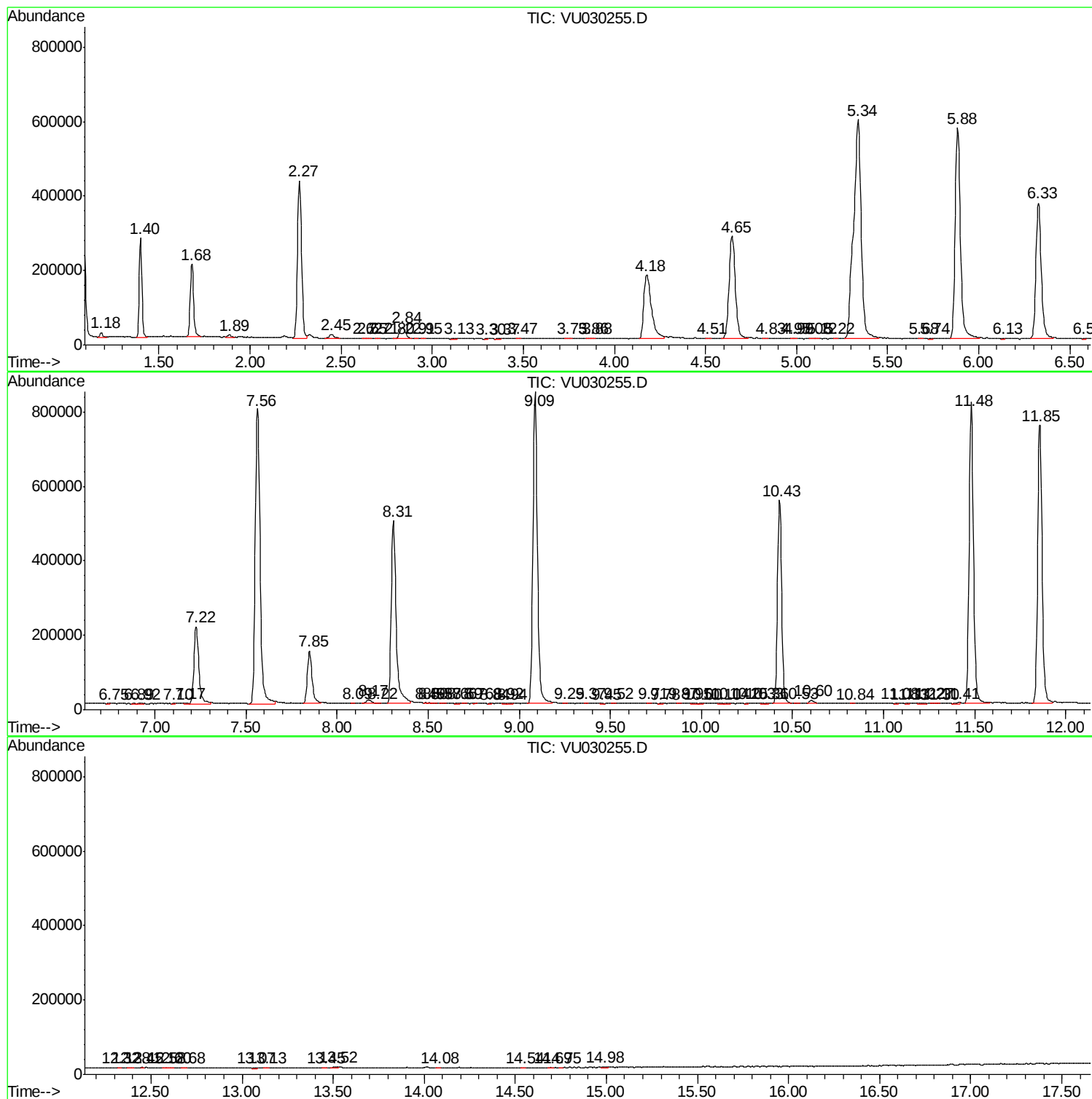
Sum of corrected areas: 14121656

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
Quant Title : VOC Analysis

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



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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          |