

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\  
 Data File : VU031148.D  
 Acq On : 12 Apr 2019 22:49  
 Operator : JC/SP  
 Sample : K2339-15  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFC39

## 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\SOMULM040519WMA.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      | 1.180    | 22         | 28       | 39        | rVB   | 40597       | 41214      | 0.64%        | 0.142%     |
| 2      | 1.395    | 87         | 95       | 105       | rBV2  | 397947      | 424784     | 6.58%        | 1.466%     |
| 3      | 1.675    | 174        | 182      | 199       | rVB   | 237878      | 302915     | 4.69%        | 1.045%     |
| 4      | 2.276    | 355        | 369      | 403       | rVB   | 3977563     | 6455892    | 100.00%      | 22.276%    |
| 5      | 2.440    | 413        | 420      | 435       | rVB   | 27960       | 50163      | 0.78%        | 0.173%     |
| 6      | 2.640    | 480        | 482      | 487       | rBV4  | 1176        | 1000       | 0.02%        | 0.003%     |
| 7      | 2.698    | 491        | 500      | 511       | rVB4  | 12790       | 23732      | 0.37%        | 0.082%     |
| 8      | 3.051    | 606        | 610      | 615       | rBV2  | 3757        | 4340       | 0.07%        | 0.015%     |
| 9      | 3.145    | 636        | 639      | 642       | rBV3  | 1493        | 1018       | 0.02%        | 0.004%     |
| 10     | 3.177    | 646        | 649      | 654       | rVV4  | 1926        | 2361       | 0.04%        | 0.008%     |
| 11     | 3.199    | 654        | 656      | 662       | rVB3  | 2937        | 2275       | 0.04%        | 0.008%     |
| 12     | 3.312    | 687        | 691      | 696       | rBV4  | 1222        | 1216       | 0.02%        | 0.004%     |
| 13     | 3.440    | 715        | 731      | 754       | rBV2  | 290981      | 646323     | 10.01%       | 2.230%     |
| 14     | 3.797    | 837        | 842      | 843       | rBV3  | 874         | 686        | 0.01%        | 0.002%     |
| 15     | 3.881    | 864        | 868      | 871       | rBV3  | 1093        | 721        | 0.01%        | 0.002%     |
| 16     | 4.029    | 911        | 914      | 920       | rBV5  | 914         | 643        | 0.01%        | 0.002%     |
| 17     | 4.103    | 934        | 937      | 941       | rVB4  | 1264        | 1086       | 0.02%        | 0.004%     |
| 18     | 4.174    | 945        | 959      | 965       | rBV   | 188029      | 409737     | 6.35%        | 1.414%     |
| 19     | 4.640    | 1086       | 1104     | 1128      | rBV   | 324639      | 792986     | 12.28%       | 2.736%     |
| 20     | 4.778    | 1144       | 1147     | 1150      | rBV3  | 928         | 640        | 0.01%        | 0.002%     |
| 21     | 4.823    | 1158       | 1161     | 1163      | rBV3  | 1352        | 880        | 0.01%        | 0.003%     |
| 22     | 4.910    | 1175       | 1188     | 1202      | rVB2  | 48626       | 111951     | 1.73%        | 0.386%     |
| 23     | 5.029    | 1222       | 1225     | 1230      | rVB7  | 790         | 787        | 0.01%        | 0.003%     |
| 24     | 5.109    | 1247       | 1250     | 1253      | rVB4  | 1127        | 728        | 0.01%        | 0.003%     |
| 25     | 5.161    | 1263       | 1266     | 1269      | rVB2  | 918         | 593        | 0.01%        | 0.002%     |
| 26     | 5.190    | 1273       | 1275     | 1282      | rVB6  | 786         | 740        | 0.01%        | 0.003%     |
| 27     | 5.334    | 1295       | 1320     | 1351      | rBV2  | 676860      | 2005297    | 31.06%       | 6.919%     |
| 28     | 5.662    | 1419       | 1422     | 1424      | rBV2  | 838         | 580        | 0.01%        | 0.002%     |
| 29     | 5.881    | 1477       | 1490     | 1521      | rBV   | 601695      | 1221836    | 18.93%       | 4.216%     |
| 30     | 6.103    | 1555       | 1559     | 1563      | rBV6  | 864         | 811        | 0.01%        | 0.003%     |
| 31     | 6.180    | 1568       | 1583     | 1614      | rBV   | 1984578     | 3866304    | 59.89%       | 13.340%    |
| 32     | 6.325    | 1616       | 1628     | 1654      | rVB   | 435468      | 892723     | 13.83%       | 3.080%     |
| 33     | 6.540    | 1692       | 1695     | 1696      | rBV3  | 1522        | 786        | 0.01%        | 0.003%     |
| 34     | 6.614    | 1708       | 1718     | 1732      | rBV   | 35573       | 70444      | 1.09%        | 0.243%     |

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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\SOMULM040519WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 6.759  | 1760 | 1763 | 1767 | rVB4 | 853     | 553     | 0.01%  | 0.002%  |
| 36 | 6.778  | 1767 | 1769 | 1772 | rBV3 | 660     | 542     | 0.01%  | 0.002%  |
| 37 | 6.874  | 1795 | 1799 | 1802 | rVB5 | 1189    | 1005    | 0.02%  | 0.003%  |
| 38 | 6.916  | 1806 | 1812 | 1814 | rBV3 | 791     | 759     | 0.01%  | 0.003%  |
| 39 | 7.045  | 1850 | 1852 | 1859 | rVB5 | 1042    | 990     | 0.02%  | 0.003%  |
| 40 | 7.173  | 1887 | 1892 | 1896 | rBV4 | 821     | 822     | 0.01%  | 0.003%  |
| 41 | 7.225  | 1896 | 1908 | 1939 | rBV2 | 230554  | 434405  | 6.73%  | 1.499%  |
| 42 | 7.395  | 1957 | 1961 | 1965 | rVB5 | 1065    | 804     | 0.01%  | 0.003%  |
| 43 | 7.440  | 1973 | 1975 | 1979 | rBV3 | 1143    | 669     | 0.01%  | 0.002%  |
| 44 | 7.562  | 2000 | 2013 | 2033 | rBV  | 832306  | 1509658 | 23.38% | 5.209%  |
| 45 | 7.849  | 2090 | 2102 | 2118 | rBV2 | 154527  | 279536  | 4.33%  | 0.965%  |
| 46 | 8.042  | 2157 | 2162 | 2166 | rBV6 | 3068    | 3426    | 0.05%  | 0.012%  |
| 47 | 8.132  | 2188 | 2190 | 2194 | rVB2 | 1573    | 994     | 0.02%  | 0.003%  |
| 48 | 8.160  | 2194 | 2199 | 2200 | rBV2 | 1457    | 996     | 0.02%  | 0.003%  |
| 49 | 8.222  | 2204 | 2218 | 2235 | rVV  | 1869353 | 3200842 | 49.58% | 11.044% |
| 50 | 8.308  | 2236 | 2245 | 2281 | rVB  | 559549  | 1132731 | 17.55% | 3.908%  |
| 51 | 8.697  | 2362 | 2366 | 2369 | rBV4 | 685     | 609     | 0.01%  | 0.002%  |
| 52 | 8.807  | 2397 | 2400 | 2402 | rVV4 | 956     | 542     | 0.01%  | 0.002%  |
| 53 | 8.823  | 2402 | 2405 | 2407 | rVV2 | 1097    | 722     | 0.01%  | 0.002%  |
| 54 | 9.086  | 2475 | 2487 | 2507 | rBV  | 891325  | 1507322 | 23.35% | 5.201%  |
| 55 | 9.321  | 2557 | 2560 | 2563 | rBV5 | 1029    | 590     | 0.01%  | 0.002%  |
| 56 | 9.373  | 2571 | 2576 | 2583 | rVV7 | 3295    | 5902    | 0.09%  | 0.020%  |
| 57 | 9.414  | 2587 | 2589 | 2594 | rVB2 | 1087    | 708     | 0.01%  | 0.002%  |
| 58 | 9.485  | 2607 | 2611 | 2615 | rBV4 | 1068    | 917     | 0.01%  | 0.003%  |
| 59 | 9.514  | 2615 | 2620 | 2625 | rVB4 | 1337    | 1353    | 0.02%  | 0.005%  |
| 60 | 9.569  | 2630 | 2637 | 2639 | rBV4 | 1742    | 1563    | 0.02%  | 0.005%  |
| 61 | 9.749  | 2689 | 2693 | 2697 | rBV4 | 659     | 560     | 0.01%  | 0.002%  |
| 62 | 9.784  | 2700 | 2704 | 2708 | rVB4 | 1906    | 1732    | 0.03%  | 0.006%  |
| 63 | 9.955  | 2752 | 2757 | 2759 | rBV3 | 954     | 948     | 0.01%  | 0.003%  |
| 64 | 10.000 | 2768 | 2771 | 2774 | rBV3 | 1163    | 698     | 0.01%  | 0.002%  |
| 65 | 10.090 | 2797 | 2799 | 2804 | rBV5 | 904     | 776     | 0.01%  | 0.003%  |
| 66 | 10.141 | 2812 | 2815 | 2818 | rBV3 | 1099    | 865     | 0.01%  | 0.003%  |
| 67 | 10.183 | 2824 | 2828 | 2832 | rVB4 | 894     | 771     | 0.01%  | 0.003%  |
| 68 | 10.369 | 2883 | 2886 | 2890 | rBV3 | 1069    | 906     | 0.01%  | 0.003%  |
| 69 | 10.427 | 2892 | 2904 | 2924 | rBV  | 573836  | 952296  | 14.75% | 3.286%  |
| 70 | 10.553 | 2939 | 2943 | 2946 | rBV4 | 872     | 700     | 0.01%  | 0.002%  |
| 71 | 10.594 | 2950 | 2956 | 2958 | rBV3 | 1072    | 1074    | 0.02%  | 0.004%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.730 | 2992 | 2998 | 3000 | rBV3 | 572    | 548     | 0.01%  | 0.002% |
| 73  | 10.807 | 3020 | 3022 | 3027 | rVB3 | 954    | 798     | 0.01%  | 0.003% |
| 74  | 10.832 | 3027 | 3030 | 3034 | rBV3 | 996    | 958     | 0.01%  | 0.003% |
| 75  | 10.967 | 3069 | 3072 | 3075 | rBV4 | 669    | 570     | 0.01%  | 0.002% |
| 76  | 11.086 | 3106 | 3109 | 3113 | rBV5 | 913    | 829     | 0.01%  | 0.003% |
| 77  | 11.202 | 3137 | 3145 | 3146 | rBV3 | 1055   | 1157    | 0.02%  | 0.004% |
| 78  | 11.234 | 3151 | 3155 | 3160 | rVB3 | 1267   | 889     | 0.01%  | 0.003% |
| 79  | 11.376 | 3192 | 3199 | 3200 | rBV5 | 2900   | 2293    | 0.04%  | 0.008% |
| 80  | 11.482 | 3220 | 3232 | 3263 | rVV  | 805458 | 1308409 | 20.27% | 4.515% |
| 81  | 11.858 | 3334 | 3349 | 3372 | rBV  | 744907 | 1258049 | 19.49% | 4.341% |
| 82  | 12.160 | 3439 | 3443 | 3447 | rBV6 | 932    | 985     | 0.02%  | 0.003% |
| 83  | 12.270 | 3475 | 3477 | 3483 | rBV5 | 844    | 753     | 0.01%  | 0.003% |
| 84  | 12.337 | 3492 | 3498 | 3504 | rBV7 | 1578   | 1940    | 0.03%  | 0.007% |
| 85  | 12.533 | 3556 | 3559 | 3563 | rVB2 | 984    | 696     | 0.01%  | 0.002% |
| 86  | 12.607 | 3577 | 3582 | 3584 | rBV3 | 1598   | 1475    | 0.02%  | 0.005% |
| 87  | 12.794 | 3637 | 3640 | 3643 | rVB3 | 1160   | 633     | 0.01%  | 0.002% |
| 88  | 12.871 | 3659 | 3664 | 3666 | rVV3 | 980    | 871     | 0.01%  | 0.003% |
| 89  | 13.109 | 3736 | 3738 | 3742 | rVB2 | 1179   | 682     | 0.01%  | 0.002% |
| 90  | 13.263 | 3782 | 3786 | 3790 | rBV4 | 1313   | 1008    | 0.02%  | 0.003% |
| 91  | 13.286 | 3790 | 3793 | 3797 | rVB4 | 1251   | 896     | 0.01%  | 0.003% |
| 92  | 13.337 | 3802 | 3809 | 3810 | rBV3 | 845    | 800     | 0.01%  | 0.003% |
| 93  | 13.694 | 3915 | 3920 | 3922 | rBV3 | 1245   | 1129    | 0.02%  | 0.004% |
| 94  | 13.848 | 3963 | 3968 | 3971 | rBV5 | 1076   | 1190    | 0.02%  | 0.004% |
| 95  | 13.884 | 3977 | 3979 | 3983 | rBV5 | 1004   | 664     | 0.01%  | 0.002% |
| 96  | 13.983 | 4007 | 4010 | 4013 | rVB4 | 1378   | 849     | 0.01%  | 0.003% |
| 97  | 14.462 | 4155 | 4159 | 4164 | rBV3 | 1768   | 1867    | 0.03%  | 0.006% |
| 98  | 14.553 | 4183 | 4187 | 4189 | rBV2 | 1190   | 1054    | 0.02%  | 0.004% |
| 99  | 14.874 | 4285 | 4287 | 4291 | rBV3 | 1053   | 757     | 0.01%  | 0.003% |
| 100 | 14.961 | 4310 | 4314 | 4315 | rBV3 | 1009   | 757     | 0.01%  | 0.003% |

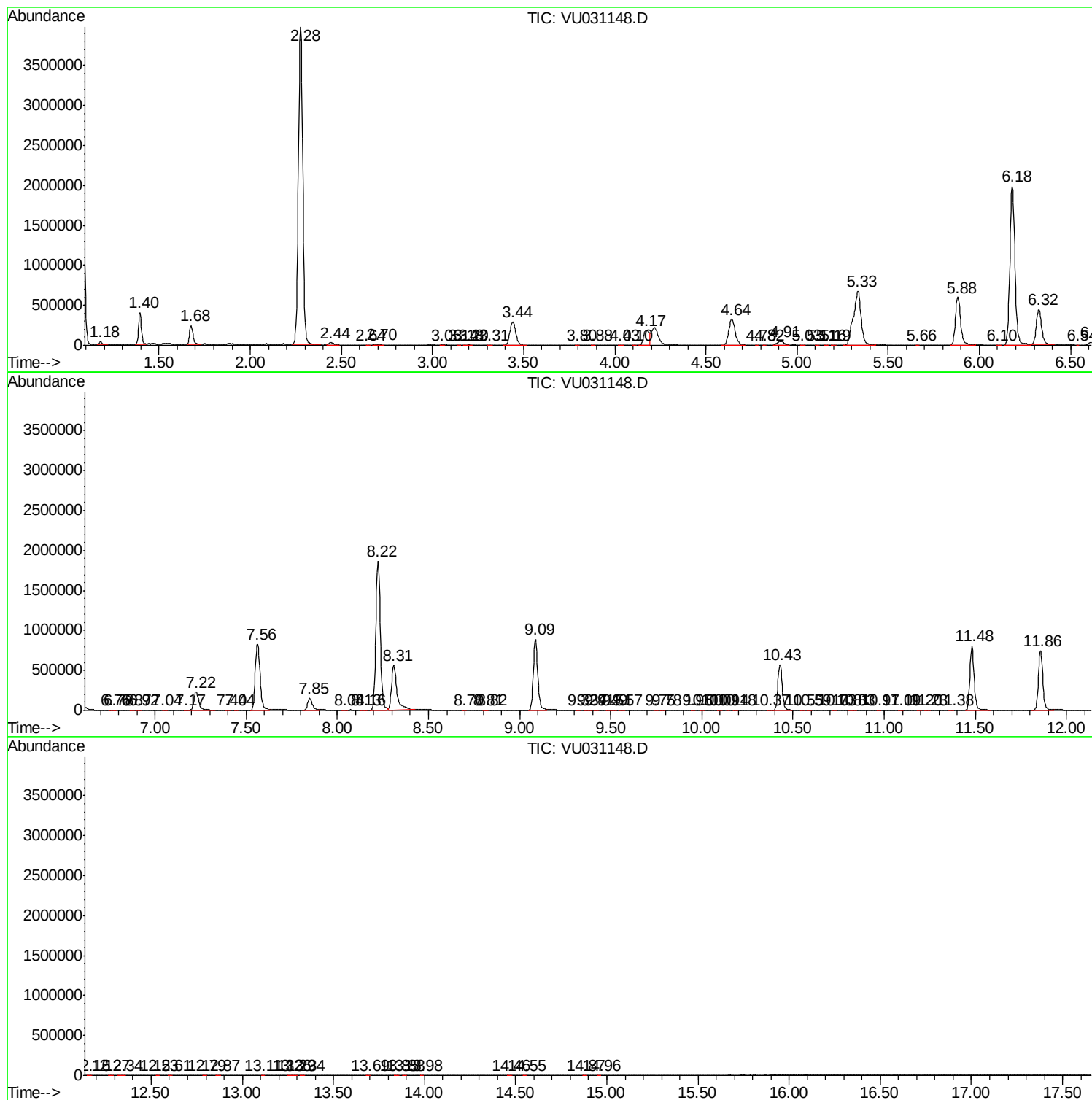
Sum of corrected areas: 28981984

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU041219\  
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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        |