

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\  
 Data File : VU031644.D  
 Acq On : 30 Apr 2019 19:12  
 Operator : JC/SP  
 Sample : K2593-12 200X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X78

## 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\SOMULM042719WMA.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    | 25         | 28       | 35        | rVB   | 17071       | 15494      | 0.08%        | 0.036%     |
| 2      | 1.395    | 87         | 95       | 107       | rBV   | 450799      | 489236     | 2.39%        | 1.130%     |
| 3      | 1.675    | 175        | 182      | 211       | rVB   | 364668      | 499029     | 2.44%        | 1.152%     |
| 4      | 1.881    | 238        | 246      | 254       | rVB   | 91018       | 128232     | 0.63%        | 0.296%     |
| 5      | 2.267    | 355        | 366      | 380       | rVB   | 726246      | 1105286    | 5.40%        | 2.552%     |
| 6      | 2.694    | 492        | 499      | 514       | rBV   | 5280        | 12587      | 0.06%        | 0.029%     |
| 7      | 2.752    | 514        | 517      | 521       | rBV4  | 1311        | 1408       | 0.01%        | 0.003%     |
| 8      | 2.826    | 538        | 540      | 543       | rBV3  | 1105        | 718        | 0.00%        | 0.002%     |
| 9      | 2.942    | 573        | 576      | 579       | rVB2  | 1106        | 666        | 0.00%        | 0.002%     |
| 10     | 2.974    | 583        | 586      | 590       | rBV3  | 1549        | 1281       | 0.01%        | 0.003%     |
| 11     | 3.077    | 614        | 618      | 621       | rBV3  | 1553        | 1165       | 0.01%        | 0.003%     |
| 12     | 3.154    | 638        | 642      | 644       | rBV2  | 921         | 804        | 0.00%        | 0.002%     |
| 13     | 3.206    | 655        | 658      | 663       | rBV2  | 1018        | 970        | 0.00%        | 0.002%     |
| 14     | 3.251    | 670        | 672      | 676       | rVB2  | 1276        | 920        | 0.00%        | 0.002%     |
| 15     | 3.383    | 709        | 713      | 715       | rVV3  | 1243        | 833        | 0.00%        | 0.002%     |
| 16     | 3.399    | 715        | 718      | 722       | rVB3  | 1111        | 804        | 0.00%        | 0.002%     |
| 17     | 3.508    | 749        | 752      | 755       | rVB   | 1248        | 765        | 0.00%        | 0.002%     |
| 18     | 3.624    | 785        | 788      | 792       | rBV3  | 1168        | 991        | 0.00%        | 0.002%     |
| 19     | 3.653    | 792        | 797      | 802       | rVV2  | 1768        | 2054       | 0.01%        | 0.005%     |
| 20     | 3.678    | 802        | 805      | 811       | rVV4  | 1726        | 1655       | 0.01%        | 0.004%     |
| 21     | 3.710    | 811        | 815      | 818       | rVV2  | 1220        | 938        | 0.00%        | 0.002%     |
| 22     | 3.759    | 827        | 830      | 833       | rBV2  | 1191        | 1021       | 0.00%        | 0.002%     |
| 23     | 3.794    | 838        | 841      | 844       | rBV3  | 1401        | 972        | 0.00%        | 0.002%     |
| 24     | 3.855    | 857        | 860      | 863       | rVB2  | 1266        | 794        | 0.00%        | 0.002%     |
| 25     | 3.929    | 875        | 883      | 886       | rBV5  | 1567        | 1371       | 0.01%        | 0.003%     |
| 26     | 3.955    | 886        | 891      | 895       | rBV4  | 914         | 1012       | 0.00%        | 0.002%     |
| 27     | 3.981    | 895        | 899      | 902       | rVB2  | 986         | 670        | 0.00%        | 0.002%     |
| 28     | 4.029    | 909        | 914      | 918       | rBV3  | 1379        | 1565       | 0.01%        | 0.004%     |
| 29     | 4.100    | 932        | 936      | 939       | rVB   | 1055        | 792        | 0.00%        | 0.002%     |
| 30     | 4.128    | 939        | 945      | 948       | rBV4  | 2078        | 2212       | 0.01%        | 0.005%     |
| 31     | 4.183    | 950        | 962      | 1002      | rBV   | 257623      | 811880     | 3.97%        | 1.874%     |
| 32     | 4.572    | 1078       | 1083     | 1085      | rBV4  | 815         | 659        | 0.00%        | 0.002%     |
| 33     | 4.643    | 1085       | 1105     | 1130      | rBV3  | 505956      | 1212363    | 5.93%        | 2.799%     |
| 34     | 4.788    | 1147       | 1150     | 1152      | rBV3  | 1747        | 1017       | 0.00%        | 0.002%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |          |          |         |         |
|----|-------|------|------|------|------|----------|----------|---------|---------|
| 35 | 4.891 | 1179 | 1182 | 1186 | rBV4 | 981      | 899      | 0.00%   | 0.002%  |
| 36 | 5.019 | 1218 | 1222 | 1229 | rVB5 | 2785     | 3158     | 0.02%   | 0.007%  |
| 37 | 5.067 | 1229 | 1237 | 1246 | rVB4 | 1531     | 2118     | 0.01%   | 0.005%  |
| 38 | 5.109 | 1246 | 1250 | 1252 | rBV2 | 1791     | 1516     | 0.01%   | 0.004%  |
| 39 | 5.122 | 1252 | 1254 | 1257 | rVV  | 1250     | 913      | 0.00%   | 0.002%  |
| 40 | 5.138 | 1257 | 1259 | 1265 | rVB5 | 1609     | 1042     | 0.01%   | 0.002%  |
| 41 | 5.334 | 1297 | 1320 | 1353 | rBV2 | 1038808  | 3110115  | 15.20%  | 7.181%  |
| 42 | 5.636 | 1411 | 1414 | 1417 | rBV4 | 1372     | 1139     | 0.01%   | 0.003%  |
| 43 | 5.678 | 1421 | 1427 | 1432 | rVB9 | 2120     | 2440     | 0.01%   | 0.006%  |
| 44 | 5.710 | 1433 | 1437 | 1441 | rBV6 | 1721     | 1361     | 0.01%   | 0.003%  |
| 45 | 5.784 | 1457 | 1460 | 1463 | rBV  | 1967     | 1280     | 0.01%   | 0.003%  |
| 46 | 5.881 | 1472 | 1490 | 1525 | rBV  | 867272   | 1814163  | 8.87%   | 4.188%  |
| 47 | 6.180 | 1567 | 1583 | 1617 | rBV  | 10529542 | 20455511 | 100.00% | 47.227% |
| 48 | 6.325 | 1619 | 1628 | 1653 | rVB2 | 721461   | 1511521  | 7.39%   | 3.490%  |
| 49 | 6.659 | 1728 | 1732 | 1734 | rBV3 | 2159     | 1433     | 0.01%   | 0.003%  |
| 50 | 6.672 | 1734 | 1736 | 1739 | rVV3 | 1409     | 855      | 0.00%   | 0.002%  |
| 51 | 6.743 | 1756 | 1758 | 1762 | rBV4 | 913      | 660      | 0.00%   | 0.002%  |
| 52 | 6.804 | 1774 | 1777 | 1778 | rBV2 | 1177     | 669      | 0.00%   | 0.002%  |
| 53 | 6.874 | 1795 | 1799 | 1802 | rBV3 | 1089     | 702      | 0.00%   | 0.002%  |
| 54 | 7.029 | 1845 | 1847 | 1850 | rBV3 | 1398     | 874      | 0.00%   | 0.002%  |
| 55 | 7.141 | 1879 | 1882 | 1885 | rBV2 | 927      | 728      | 0.00%   | 0.002%  |
| 56 | 7.225 | 1895 | 1908 | 1934 | rBV  | 349005   | 653162   | 3.19%   | 1.508%  |
| 57 | 7.562 | 2000 | 2013 | 2032 | rBV  | 1195182  | 2135224  | 10.44%  | 4.930%  |
| 58 | 7.791 | 2082 | 2084 | 2088 | rBV3 | 1023     | 698      | 0.00%   | 0.002%  |
| 59 | 7.849 | 2092 | 2102 | 2127 | rVV  | 232201   | 428214   | 2.09%   | 0.989%  |
| 60 | 8.106 | 2177 | 2182 | 2186 | rBV7 | 1586     | 1837     | 0.01%   | 0.004%  |
| 61 | 8.154 | 2194 | 2197 | 2199 | rBV4 | 1293     | 913      | 0.00%   | 0.002%  |
| 62 | 8.225 | 2207 | 2219 | 2236 | rBV  | 248468   | 444363   | 2.17%   | 1.026%  |
| 63 | 8.312 | 2236 | 2246 | 2282 | rVV  | 848424   | 1660772  | 8.12%   | 3.834%  |
| 64 | 8.697 | 2362 | 2366 | 2368 | rBV3 | 1541     | 1203     | 0.01%   | 0.003%  |
| 65 | 8.781 | 2388 | 2392 | 2395 | rBV2 | 1549     | 1493     | 0.01%   | 0.003%  |
| 66 | 8.816 | 2400 | 2403 | 2406 | rBV4 | 1557     | 951      | 0.00%   | 0.002%  |
| 67 | 8.877 | 2419 | 2422 | 2423 | rBV2 | 1990     | 1048     | 0.01%   | 0.002%  |
| 68 | 9.086 | 2474 | 2487 | 2528 | rVV  | 1288011  | 2243545  | 10.97%  | 5.180%  |
| 69 | 9.366 | 2571 | 2574 | 2578 | rBV4 | 2791     | 2157     | 0.01%   | 0.005%  |
| 70 | 9.501 | 2614 | 2616 | 2619 | rBV3 | 1364     | 915      | 0.00%   | 0.002%  |
| 71 | 9.521 | 2619 | 2622 | 2626 | rVB5 | 1166     | 848      | 0.00%   | 0.002%  |

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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\SOMULM042719WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |       |        |
|-----|--------|------|------|------|------|--------|---------|-------|--------|
| 72  | 9.562  | 2631 | 2635 | 2638 | rBV4 | 1474   | 1503    | 0.01% | 0.003% |
| 73  | 9.598  | 2644 | 2646 | 2650 | rVB3 | 1463   | 924     | 0.00% | 0.002% |
| 74  | 9.652  | 2660 | 2663 | 2666 | rVB3 | 1473   | 844     | 0.00% | 0.002% |
| 75  | 9.781  | 2699 | 2703 | 2704 | rBV4 | 1081   | 818     | 0.00% | 0.002% |
| 76  | 9.877  | 2728 | 2733 | 2742 | rBV3 | 1885   | 1955    | 0.01% | 0.005% |
| 77  | 10.106 | 2801 | 2804 | 2808 | rBV2 | 1635   | 1301    | 0.01% | 0.003% |
| 78  | 10.144 | 2812 | 2816 | 2818 | rBV3 | 1561   | 1095    | 0.01% | 0.003% |
| 79  | 10.218 | 2834 | 2839 | 2841 | rBV3 | 882    | 846     | 0.00% | 0.002% |
| 80  | 10.340 | 2874 | 2877 | 2879 | rBV3 | 1095   | 759     | 0.00% | 0.002% |
| 81  | 10.427 | 2890 | 2904 | 2932 | rBV  | 840934 | 1373857 | 6.72% | 3.172% |
| 82  | 10.929 | 3056 | 3060 | 3063 | rBV2 | 1539   | 1439    | 0.01% | 0.003% |
| 83  | 11.022 | 3086 | 3089 | 3091 | rBV  | 1360   | 884     | 0.00% | 0.002% |
| 84  | 11.077 | 3103 | 3106 | 3113 | rVB5 | 1583   | 1516    | 0.01% | 0.004% |
| 85  | 11.122 | 3118 | 3120 | 3125 | rBV3 | 851    | 905     | 0.00% | 0.002% |
| 86  | 11.344 | 3186 | 3189 | 3195 | rBV4 | 1020   | 1002    | 0.00% | 0.002% |
| 87  | 11.482 | 3220 | 3232 | 3252 | rBV  | 944940 | 1551453 | 7.58% | 3.582% |
| 88  | 11.858 | 3336 | 3349 | 3370 | rBV  | 928984 | 1564934 | 7.65% | 3.613% |
| 89  | 13.045 | 3715 | 3718 | 3720 | rBV3 | 1431   | 1036    | 0.01% | 0.002% |
| 90  | 13.276 | 3788 | 3790 | 3793 | rVB2 | 2025   | 1151    | 0.01% | 0.003% |
| 91  | 13.829 | 3959 | 3962 | 3964 | rBV  | 1227   | 713     | 0.00% | 0.002% |
| 92  | 14.003 | 4013 | 4016 | 4019 | rBV3 | 2181   | 1612    | 0.01% | 0.004% |
| 93  | 14.057 | 4031 | 4033 | 4036 | rVB4 | 2423   | 1282    | 0.01% | 0.003% |
| 94  | 14.128 | 4051 | 4055 | 4059 | rVB2 | 2130   | 1703    | 0.01% | 0.004% |
| 95  | 14.147 | 4059 | 4061 | 4063 | rBV3 | 1321   | 818     | 0.00% | 0.002% |
| 96  | 14.212 | 4079 | 4081 | 4084 | rBV4 | 1374   | 1001    | 0.00% | 0.002% |
| 97  | 14.479 | 4162 | 4164 | 4169 | rBV2 | 1449   | 1061    | 0.01% | 0.002% |
| 98  | 14.614 | 4204 | 4206 | 4208 | rBV2 | 1809   | 897     | 0.00% | 0.002% |
| 99  | 14.880 | 4286 | 4289 | 4292 | rBV3 | 2282   | 1889    | 0.01% | 0.004% |
| 100 | 15.183 | 4380 | 4383 | 4385 | rBV2 | 1906   | 1336    | 0.01% | 0.003% |

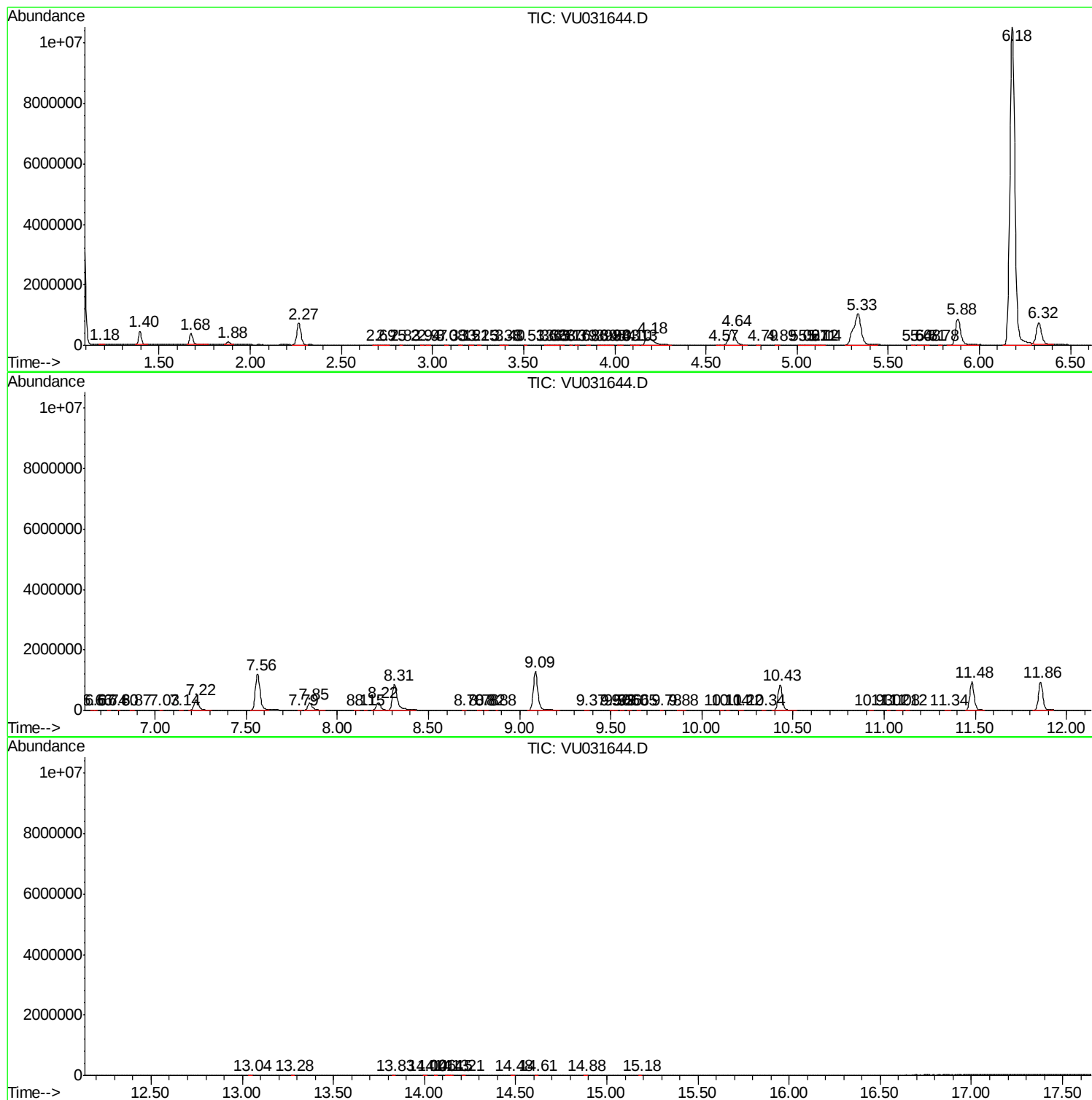
Sum of corrected areas: 43313138

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU043019\  
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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        |