

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\  
 Data File : VU031631.D  
 Acq On : 30 Apr 2019 14:09  
 Operator : JC/SP  
 Sample : K2536-14  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

## 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      | 1.395    | 88         | 95       | 107       | rBV   | 464136      | 502598     | 16.24%       | 2.305%     |
| 2      | 1.678    | 176        | 183      | 195       | rBV   | 357211      | 429547     | 13.88%       | 1.970%     |
| 3      | 2.267    | 356        | 366      | 381       | rVB   | 741161      | 1131081    | 36.56%       | 5.188%     |
| 4      | 2.595    | 464        | 468      | 473       | rVB5  | 2387        | 2078       | 0.07%        | 0.010%     |
| 5      | 2.630    | 473        | 479      | 483       | rBV5  | 1617        | 2314       | 0.07%        | 0.011%     |
| 6      | 2.685    | 493        | 496      | 498       | rBV2  | 1564        | 1186       | 0.04%        | 0.005%     |
| 7      | 2.704    | 498        | 502      | 510       | rVB6  | 3639        | 4415       | 0.14%        | 0.020%     |
| 8      | 2.768    | 518        | 522      | 523       | rBV2  | 1615        | 1113       | 0.04%        | 0.005%     |
| 9      | 3.006    | 593        | 596      | 600       | rVB3  | 1989        | 1477       | 0.05%        | 0.007%     |
| 10     | 3.045    | 605        | 608      | 614       | rVB5  | 986         | 1094       | 0.04%        | 0.005%     |
| 11     | 3.080    | 614        | 619      | 622       | rBV4  | 904         | 820        | 0.03%        | 0.004%     |
| 12     | 3.122    | 627        | 632      | 636       | rBV5  | 1663        | 1571       | 0.05%        | 0.007%     |
| 13     | 3.257    | 668        | 674      | 678       | rBV4  | 955         | 1069       | 0.03%        | 0.005%     |
| 14     | 3.328    | 694        | 696      | 700       | rVB2  | 1396        | 827        | 0.03%        | 0.004%     |
| 15     | 3.354    | 700        | 704      | 707       | rBV3  | 840         | 881        | 0.03%        | 0.004%     |
| 16     | 3.524    | 753        | 757      | 760       | rBV3  | 1176        | 941        | 0.03%        | 0.004%     |
| 17     | 3.546    | 760        | 764      | 769       | rVB3  | 1461        | 1210       | 0.04%        | 0.006%     |
| 18     | 3.572    | 769        | 772      | 774       | rBV3  | 1187        | 841        | 0.03%        | 0.004%     |
| 19     | 3.604    | 779        | 782      | 788       | rVB5  | 1294        | 1259       | 0.04%        | 0.006%     |
| 20     | 3.736    | 819        | 823      | 827       | rVB2  | 1273        | 1038       | 0.03%        | 0.005%     |
| 21     | 3.759    | 827        | 830      | 834       | rBV2  | 1517        | 1284       | 0.04%        | 0.006%     |
| 22     | 4.032    | 912        | 915      | 920       | rVB3  | 895         | 852        | 0.03%        | 0.004%     |
| 23     | 4.067    | 922        | 926      | 927       | rBV   | 1869        | 1070       | 0.03%        | 0.005%     |
| 24     | 4.186    | 951        | 963      | 1003      | rBV   | 243517      | 798625     | 25.81%       | 3.663%     |
| 25     | 4.643    | 1089       | 1105     | 1131      | rBV2  | 508465      | 1209055    | 39.08%       | 5.545%     |
| 26     | 4.987    | 1205       | 1212     | 1214      | rBV5  | 1842        | 2078       | 0.07%        | 0.010%     |
| 27     | 5.048    | 1228       | 1231     | 1234      | rBV3  | 1613        | 1186       | 0.04%        | 0.005%     |
| 28     | 5.064    | 1234       | 1236     | 1239      | rVV3  | 1283        | 927        | 0.03%        | 0.004%     |
| 29     | 5.099    | 1242       | 1247     | 1250      | rVB5  | 937         | 922        | 0.03%        | 0.004%     |
| 30     | 5.164    | 1264       | 1267     | 1270      | rVB3  | 1571        | 1157       | 0.04%        | 0.005%     |
| 31     | 5.334    | 1293       | 1320     | 1347      | rBV2  | 1022042     | 3093968    | 100.00%      | 14.190%    |
| 32     | 5.881    | 1477       | 1490     | 1517      | rBV   | 787083      | 1641740    | 53.06%       | 7.530%     |
| 33     | 6.186    | 1574       | 1585     | 1597      | rBV   | 17520       | 41181      | 1.33%        | 0.189%     |
| 34     | 6.328    | 1611       | 1629     | 1654      | rBV   | 692305      | 1429146    | 46.19%       | 6.555%     |

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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 6.553  | 1696 | 1699 | 1702 | rVB3 | 1362    | 823     | 0.03%  | 0.004% |
| 36 | 6.646  | 1724 | 1728 | 1732 | rVB5 | 1212    | 1157    | 0.04%  | 0.005% |
| 37 | 6.720  | 1749 | 1751 | 1754 | rBV2 | 1618    | 1143    | 0.04%  | 0.005% |
| 38 | 6.787  | 1767 | 1772 | 1774 | rBV3 | 1171    | 1220    | 0.04%  | 0.006% |
| 39 | 6.971  | 1825 | 1829 | 1831 | rBV3 | 1289    | 921     | 0.03%  | 0.004% |
| 40 | 6.984  | 1831 | 1833 | 1837 | rVB2 | 1851    | 1183    | 0.04%  | 0.005% |
| 41 | 7.074  | 1855 | 1861 | 1864 | rBV3 | 1636    | 1666    | 0.05%  | 0.008% |
| 42 | 7.170  | 1887 | 1891 | 1895 | rBV3 | 1098    | 1038    | 0.03%  | 0.005% |
| 43 | 7.225  | 1896 | 1908 | 1936 | rBV  | 340759  | 641568  | 20.74% | 2.943% |
| 44 | 7.421  | 1966 | 1969 | 1971 | rBV2 | 1143    | 752     | 0.02%  | 0.003% |
| 45 | 7.562  | 2000 | 2013 | 2041 | rBV  | 1180564 | 2174987 | 70.30% | 9.975% |
| 46 | 7.848  | 2091 | 2102 | 2128 | rBV  | 229971  | 439017  | 14.19% | 2.014% |
| 47 | 8.022  | 2154 | 2156 | 2159 | rBV3 | 1509    | 893     | 0.03%  | 0.004% |
| 48 | 8.086  | 2173 | 2176 | 2179 | rBV4 | 1624    | 1286    | 0.04%  | 0.006% |
| 49 | 8.141  | 2187 | 2193 | 2195 | rBV4 | 1854    | 1271    | 0.04%  | 0.006% |
| 50 | 8.167  | 2198 | 2201 | 2204 | rVV  | 1477    | 898     | 0.03%  | 0.004% |
| 51 | 8.228  | 2216 | 2220 | 2223 | rBV3 | 2278    | 1558    | 0.05%  | 0.007% |
| 52 | 8.312  | 2235 | 2246 | 2281 | rBV  | 826574  | 1692379 | 54.70% | 7.762% |
| 53 | 8.829  | 2403 | 2407 | 2412 | rVB6 | 1780    | 1747    | 0.06%  | 0.008% |
| 54 | 8.903  | 2426 | 2430 | 2435 | rBV4 | 2679    | 2287    | 0.07%  | 0.010% |
| 55 | 9.086  | 2473 | 2487 | 2522 | rBV  | 1158837 | 2056485 | 66.47% | 9.432% |
| 56 | 9.260  | 2539 | 2541 | 2544 | rVB4 | 1972    | 961     | 0.03%  | 0.004% |
| 57 | 9.376  | 2572 | 2577 | 2579 | rBV4 | 1143    | 1147    | 0.04%  | 0.005% |
| 58 | 9.463  | 2602 | 2604 | 2608 | rVB4 | 1644    | 1014    | 0.03%  | 0.005% |
| 59 | 9.485  | 2608 | 2611 | 2614 | rBV4 | 1265    | 1040    | 0.03%  | 0.005% |
| 60 | 9.546  | 2627 | 2630 | 2632 | rBV2 | 1730    | 1101    | 0.04%  | 0.005% |
| 61 | 9.569  | 2632 | 2637 | 2638 | rVV2 | 1259    | 980     | 0.03%  | 0.004% |
| 62 | 9.598  | 2643 | 2646 | 2649 | rVV3 | 1025    | 874     | 0.03%  | 0.004% |
| 63 | 9.784  | 2701 | 2704 | 2709 | rBV5 | 1743    | 1611    | 0.05%  | 0.007% |
| 64 | 9.810  | 2709 | 2712 | 2716 | rBV3 | 922     | 768     | 0.02%  | 0.004% |
| 65 | 9.881  | 2729 | 2734 | 2737 | rVB4 | 1138    | 1069    | 0.03%  | 0.005% |
| 66 | 9.900  | 2737 | 2740 | 2744 | rBV3 | 1312    | 1118    | 0.04%  | 0.005% |
| 67 | 9.932  | 2744 | 2750 | 2754 | rVV5 | 1484    | 1452    | 0.05%  | 0.007% |
| 68 | 10.003 | 2770 | 2772 | 2776 | rVV2 | 1543    | 1158    | 0.04%  | 0.005% |
| 69 | 10.048 | 2780 | 2786 | 2791 | rBV3 | 998     | 1390    | 0.04%  | 0.006% |
| 70 | 10.151 | 2814 | 2818 | 2821 | rBV  | 1347    | 940     | 0.03%  | 0.004% |
| 71 | 10.273 | 2853 | 2856 | 2859 | rVV  | 1093    | 938     | 0.03%  | 0.004% |

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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\SOMULM042719WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.427 | 2887 | 2904 | 2926 | rBV  | 842328 | 1368348 | 44.23% | 6.276% |
| 73  | 10.607 | 2958 | 2960 | 2964 | rVB4 | 1746   | 1039    | 0.03%  | 0.005% |
| 74  | 10.639 | 2967 | 2970 | 2973 | rBV4 | 1361   | 1079    | 0.03%  | 0.005% |
| 75  | 10.694 | 2984 | 2987 | 2990 | rVB2 | 1966   | 1200    | 0.04%  | 0.006% |
| 76  | 10.784 | 3011 | 3015 | 3019 | rVB5 | 1484   | 1324    | 0.04%  | 0.006% |
| 77  | 10.810 | 3021 | 3023 | 3026 | rBV2 | 1071   | 757     | 0.02%  | 0.003% |
| 78  | 10.964 | 3066 | 3071 | 3072 | rBV3 | 1181   | 910     | 0.03%  | 0.004% |
| 79  | 11.028 | 3086 | 3091 | 3093 | rBV  | 1605   | 1113    | 0.04%  | 0.005% |
| 80  | 11.077 | 3102 | 3106 | 3107 | rBV3 | 2109   | 1334    | 0.04%  | 0.006% |
| 81  | 11.144 | 3123 | 3127 | 3129 | rBV  | 1181   | 862     | 0.03%  | 0.004% |
| 82  | 11.260 | 3159 | 3163 | 3167 | rVB4 | 1580   | 1179    | 0.04%  | 0.005% |
| 83  | 11.344 | 3186 | 3189 | 3195 | rVB4 | 1626   | 1778    | 0.06%  | 0.008% |
| 84  | 11.376 | 3195 | 3199 | 3201 | rBV2 | 1750   | 1488    | 0.05%  | 0.007% |
| 85  | 11.408 | 3205 | 3209 | 3213 | rBV4 | 1332   | 1318    | 0.04%  | 0.006% |
| 86  | 11.482 | 3218 | 3232 | 3254 | rBV  | 881125 | 1476926 | 47.74% | 6.774% |
| 87  | 11.858 | 3336 | 3349 | 3375 | rBV  | 920949 | 1571044 | 50.78% | 7.205% |
| 88  | 12.771 | 3630 | 3633 | 3637 | rVB3 | 2013   | 1383    | 0.04%  | 0.006% |
| 89  | 13.096 | 3730 | 3734 | 3736 | rBV3 | 1632   | 1499    | 0.05%  | 0.007% |
| 90  | 13.170 | 3754 | 3757 | 3761 | rBV3 | 1400   | 1417    | 0.05%  | 0.006% |
| 91  | 13.315 | 3800 | 3802 | 3807 | rBV4 | 991    | 747     | 0.02%  | 0.003% |
| 92  | 13.482 | 3849 | 3854 | 3857 | rBV6 | 1776   | 1872    | 0.06%  | 0.009% |
| 93  | 13.797 | 3949 | 3952 | 3959 | rBV5 | 1701   | 1893    | 0.06%  | 0.009% |
| 94  | 13.893 | 3979 | 3982 | 3986 | rBV4 | 1350   | 1097    | 0.04%  | 0.005% |
| 95  | 14.366 | 4126 | 4129 | 4131 | rBV2 | 1382   | 867     | 0.03%  | 0.004% |
| 96  | 14.450 | 4152 | 4155 | 4161 | rVB4 | 2760   | 2150    | 0.07%  | 0.010% |
| 97  | 14.552 | 4184 | 4187 | 4190 | rVB3 | 2101   | 1145    | 0.04%  | 0.005% |
| 98  | 14.630 | 4208 | 4211 | 4215 | rBV2 | 1757   | 1037    | 0.03%  | 0.005% |
| 99  | 14.765 | 4249 | 4253 | 4256 | rBV3 | 2234   | 2037    | 0.07%  | 0.009% |
| 100 | 14.816 | 4265 | 4269 | 4273 | rBV3 | 2172   | 2212    | 0.07%  | 0.010% |

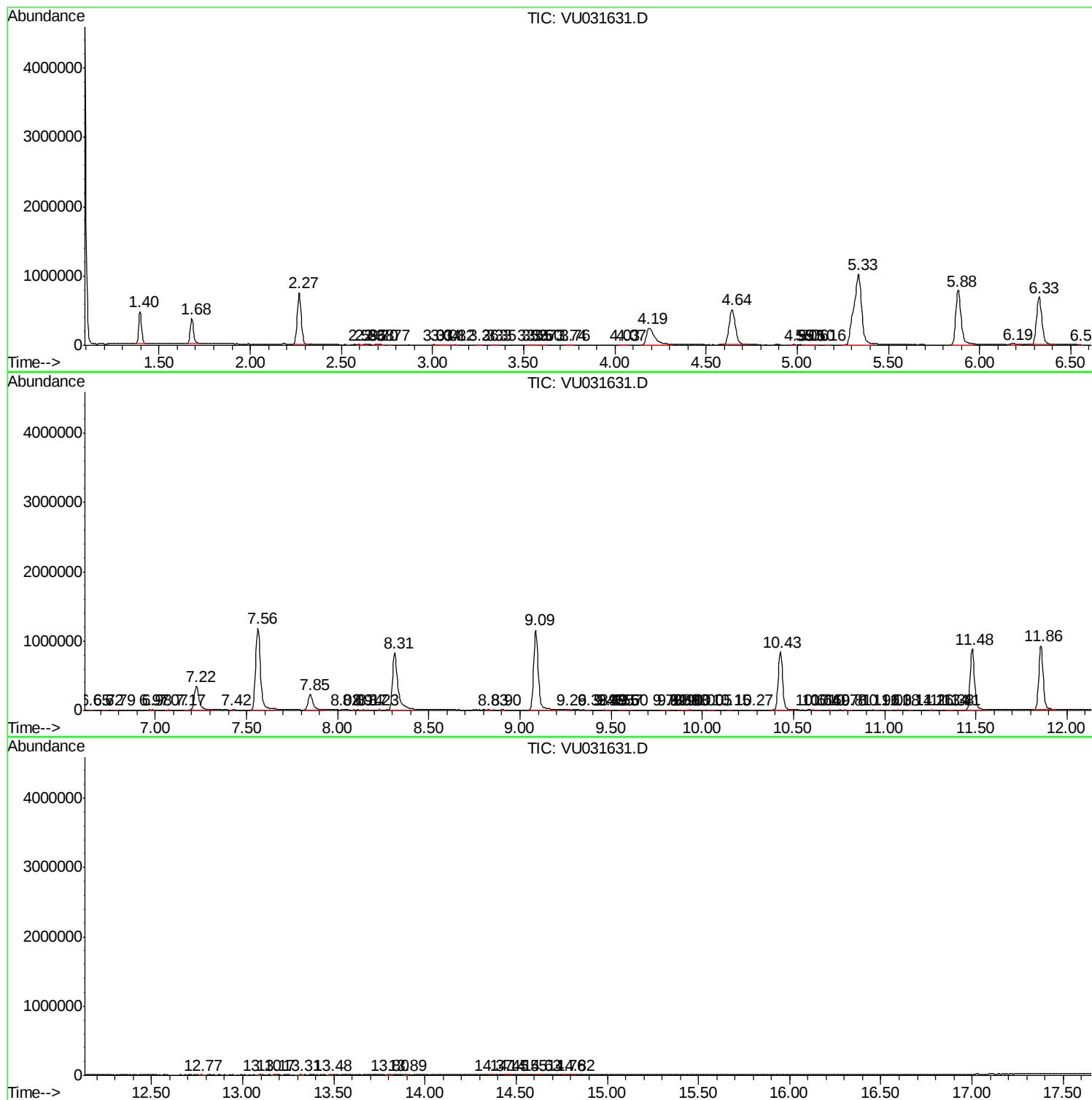
Sum of corrected areas: 21803446

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\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          |