

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\  
 Data File : VU031025.D  
 Acq On : 10 Apr 2019 20:43  
 Operator : JC/SP  
 Sample : K2277-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 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\SOMULM040519WMA.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         | 1.180       | 24            | 28          | 34           | rVB2     | 12819          | 12179         | 0.63%           | 0.084%        |
| 2         | 1.395       | 88            | 95          | 109          | rBV      | 292130         | 299759        | 15.50%          | 2.060%        |
| 3         | 1.678       | 175           | 183         | 197          | rVB      | 221988         | 285112        | 14.75%          | 1.960%        |
| 4         | 2.267       | 356           | 366         | 379          | rVB      | 436355         | 669785        | 34.64%          | 4.604%        |
| 5         | 2.604       | 467           | 471         | 475          | rBV5     | 1065           | 986           | 0.05%           | 0.007%        |
| 6         | 2.659       | 486           | 488         | 491          | rVV4     | 885            | 680           | 0.04%           | 0.005%        |
| 7         | 2.704       | 491           | 502         | 511          | rVB7     | 3330           | 6090          | 0.31%           | 0.042%        |
| 8         | 2.768       | 517           | 522         | 525          | rVB4     | 547            | 520           | 0.03%           | 0.004%        |
| 9         | 2.791       | 525           | 529         | 531          | rBV4     | 610            | 590           | 0.03%           | 0.004%        |
| 10        | 2.932       | 568           | 573         | 576          | rBV3     | 958            | 790           | 0.04%           | 0.005%        |
| 11        | 2.961       | 579           | 582         | 585          | rVB2     | 824            | 489           | 0.03%           | 0.003%        |
| 12        | 2.997       | 591           | 593         | 595          | rBV      | 904            | 471           | 0.02%           | 0.003%        |
| 13        | 3.376       | 709           | 711         | 715          | rVB2     | 726            | 473           | 0.02%           | 0.003%        |
| 14        | 3.463       | 735           | 738         | 743          | rVB3     | 683            | 593           | 0.03%           | 0.004%        |
| 15        | 3.498       | 743           | 749         | 751          | rBV2     | 863            | 754           | 0.04%           | 0.005%        |
| 16        | 3.511       | 751           | 753         | 759          | rVB2     | 536            | 475           | 0.02%           | 0.003%        |
| 17        | 3.614       | 781           | 785         | 786          | rBV2     | 642            | 492           | 0.03%           | 0.003%        |
| 18        | 3.669       | 798           | 802         | 804          | rBV2     | 595            | 560           | 0.03%           | 0.004%        |
| 19        | 3.707       | 810           | 814         | 817          | rBV3     | 713            | 557           | 0.03%           | 0.004%        |
| 20        | 3.772       | 827           | 834         | 838          | rVB3     | 680            | 707           | 0.04%           | 0.005%        |
| 21        | 3.974       | 894           | 897         | 903          | rVB      | 605            | 505           | 0.03%           | 0.003%        |
| 22        | 4.038       | 912           | 917         | 919          | rBV2     | 563            | 446           | 0.02%           | 0.003%        |
| 23        | 4.170       | 946           | 958         | 986          | rBV      | 195911         | 532624        | 27.55%          | 3.661%        |
| 24        | 4.411       | 1030          | 1033        | 1034         | rBV2     | 1070           | 624           | 0.03%           | 0.004%        |
| 25        | 4.643       | 1087          | 1105        | 1137         | rVV2     | 315477         | 783795        | 40.54%          | 5.387%        |
| 26        | 4.884       | 1172          | 1180        | 1181         | rBV5     | 1135           | 1226          | 0.06%           | 0.008%        |
| 27        | 5.029       | 1221          | 1225        | 1229         | rBV3     | 618            | 593           | 0.03%           | 0.004%        |
| 28        | 5.206       | 1276          | 1280        | 1286         | rBV4     | 970            | 858           | 0.04%           | 0.006%        |
| 29        | 5.334       | 1296          | 1320        | 1353         | rBV2     | 631952         | 1933466       | 100.00%         | 13.289%       |
| 30        | 5.759       | 1449          | 1452        | 1455         | rBV4     | 691            | 477           | 0.02%           | 0.003%        |
| 31        | 5.813       | 1465          | 1469        | 1471         | rBV2     | 621            | 518           | 0.03%           | 0.004%        |
| 32        | 5.881       | 1476          | 1490        | 1516         | rBV      | 539612         | 1092541       | 56.51%          | 7.509%        |
| 33        | 6.103       | 1555          | 1559        | 1561         | rBV3     | 1219           | 913           | 0.05%           | 0.006%        |
| 34        | 6.177       | 1574          | 1582        | 1591         | rBV10    | 4327           | 8037          | 0.42%           | 0.055%        |

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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 | 6.247  | 1602 | 1604 | 1607 | rVB  | 1244   | 700     | 0.04%  | 0.005% |
| 36 | 6.267  | 1607 | 1610 | 1613 | rBV3 | 1307   | 849     | 0.04%  | 0.006% |
| 37 | 6.324  | 1613 | 1628 | 1655 | rBV  | 432503 | 890964  | 46.08% | 6.124% |
| 38 | 6.617  | 1715 | 1719 | 1722 | rBV3 | 717    | 671     | 0.03%  | 0.005% |
| 39 | 6.652  | 1727 | 1730 | 1732 | rBV3 | 805    | 578     | 0.03%  | 0.004% |
| 40 | 6.887  | 1799 | 1803 | 1804 | rBV  | 813    | 444     | 0.02%  | 0.003% |
| 41 | 7.038  | 1846 | 1850 | 1855 | rBV3 | 706    | 534     | 0.03%  | 0.004% |
| 42 | 7.225  | 1895 | 1908 | 1930 | rBV2 | 222997 | 413154  | 21.37% | 2.840% |
| 43 | 7.382  | 1955 | 1957 | 1965 | rVB5 | 1169   | 1021    | 0.05%  | 0.007% |
| 44 | 7.472  | 1982 | 1985 | 1991 | rVB4 | 1810   | 1548    | 0.08%  | 0.011% |
| 45 | 7.562  | 2000 | 2013 | 2035 | rBV  | 777208 | 1404324 | 72.63% | 9.652% |
| 46 | 7.849  | 2090 | 2102 | 2120 | rBV  | 156318 | 279402  | 14.45% | 1.920% |
| 47 | 8.061  | 2164 | 2168 | 2173 | rVB5 | 1052   | 1033    | 0.05%  | 0.007% |
| 48 | 8.119  | 2184 | 2186 | 2189 | rBV2 | 773    | 570     | 0.03%  | 0.004% |
| 49 | 8.164  | 2196 | 2200 | 2207 | rVB5 | 917    | 1205    | 0.06%  | 0.008% |
| 50 | 8.199  | 2207 | 2211 | 2214 | rBV3 | 833    | 631     | 0.03%  | 0.004% |
| 51 | 8.231  | 2218 | 2221 | 2224 | rVB2 | 812    | 465     | 0.02%  | 0.003% |
| 52 | 8.247  | 2224 | 2226 | 2228 | rBV3 | 689    | 424     | 0.02%  | 0.003% |
| 53 | 8.308  | 2234 | 2245 | 2279 | rBV  | 564028 | 1132771 | 58.59% | 7.786% |
| 54 | 8.623  | 2341 | 2343 | 2346 | rBV3 | 863    | 517     | 0.03%  | 0.004% |
| 55 | 8.691  | 2361 | 2364 | 2367 | rBV3 | 697    | 447     | 0.02%  | 0.003% |
| 56 | 8.710  | 2367 | 2370 | 2374 | rVB4 | 871    | 647     | 0.03%  | 0.004% |
| 57 | 8.730  | 2374 | 2376 | 2380 | rBV2 | 873    | 726     | 0.04%  | 0.005% |
| 58 | 8.865  | 2415 | 2418 | 2421 | rBV3 | 977    | 607     | 0.03%  | 0.004% |
| 59 | 8.987  | 2452 | 2456 | 2461 | rVB5 | 753    | 708     | 0.04%  | 0.005% |
| 60 | 9.032  | 2467 | 2470 | 2473 | rBV3 | 1204   | 942     | 0.05%  | 0.006% |
| 61 | 9.086  | 2474 | 2487 | 2533 | rVV  | 819440 | 1409043 | 72.88% | 9.685% |
| 62 | 9.411  | 2581 | 2588 | 2592 | rBV5 | 889    | 1213    | 0.06%  | 0.008% |
| 63 | 9.569  | 2634 | 2637 | 2640 | rBV3 | 691    | 539     | 0.03%  | 0.004% |
| 64 | 9.746  | 2686 | 2692 | 2695 | rBV3 | 867    | 898     | 0.05%  | 0.006% |
| 65 | 9.765  | 2695 | 2698 | 2701 | rBV2 | 635    | 497     | 0.03%  | 0.003% |
| 66 | 10.009 | 2771 | 2774 | 2777 | rBV3 | 638    | 416     | 0.02%  | 0.003% |
| 67 | 10.029 | 2778 | 2780 | 2785 | rVB3 | 637    | 520     | 0.03%  | 0.004% |
| 68 | 10.160 | 2819 | 2821 | 2824 | rBV2 | 625    | 526     | 0.03%  | 0.004% |
| 69 | 10.283 | 2857 | 2859 | 2864 | rVB2 | 856    | 686     | 0.04%  | 0.005% |
| 70 | 10.350 | 2878 | 2880 | 2885 | rVB3 | 726    | 428     | 0.02%  | 0.003% |
| 71 | 10.376 | 2885 | 2888 | 2891 | rBV3 | 785    | 597     | 0.03%  | 0.004% |

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Integrator: RTE  
 Smoothing : OFF  
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 Start Thrs: 0.2  
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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\SOMULM040519WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.427 | 2891 | 2904 | 2930 | rBV  | 602281 | 991221  | 51.27% | 6.813% |
| 73  | 10.672 | 2976 | 2980 | 2982 | rBV2 | 724    | 601     | 0.03%  | 0.004% |
| 74  | 10.707 | 2988 | 2991 | 2999 | rBV5 | 792    | 1144    | 0.06%  | 0.008% |
| 75  | 10.752 | 3003 | 3005 | 3010 | rVB4 | 756    | 543     | 0.03%  | 0.004% |
| 76  | 10.791 | 3014 | 3017 | 3020 | rBV2 | 601    | 416     | 0.02%  | 0.003% |
| 77  | 10.855 | 3034 | 3037 | 3042 | rVV  | 757    | 627     | 0.03%  | 0.004% |
| 78  | 10.884 | 3042 | 3046 | 3051 | rVB3 | 801    | 544     | 0.03%  | 0.004% |
| 79  | 11.138 | 3122 | 3125 | 3130 | rVB3 | 744    | 546     | 0.03%  | 0.004% |
| 80  | 11.231 | 3151 | 3154 | 3158 | rBV2 | 905    | 752     | 0.04%  | 0.005% |
| 81  | 11.366 | 3193 | 3196 | 3204 | rVB3 | 811    | 891     | 0.05%  | 0.006% |
| 82  | 11.408 | 3204 | 3209 | 3210 | rBV2 | 810    | 644     | 0.03%  | 0.004% |
| 83  | 11.482 | 3219 | 3232 | 3254 | rBV  | 683789 | 1133855 | 58.64% | 7.793% |
| 84  | 11.858 | 3337 | 3349 | 3374 | rBV  | 722077 | 1216124 | 62.90% | 8.359% |
| 85  | 12.160 | 3439 | 3443 | 3446 | rBV5 | 973    | 837     | 0.04%  | 0.006% |
| 86  | 12.453 | 3531 | 3534 | 3537 | rBV2 | 642    | 487     | 0.03%  | 0.003% |
| 87  | 12.517 | 3552 | 3554 | 3557 | rVB2 | 1047   | 525     | 0.03%  | 0.004% |
| 88  | 12.598 | 3576 | 3579 | 3583 | rBV3 | 745    | 546     | 0.03%  | 0.004% |
| 89  | 12.697 | 3608 | 3610 | 3615 | rVB3 | 807    | 600     | 0.03%  | 0.004% |
| 90  | 13.180 | 3757 | 3760 | 3764 | rBV3 | 802    | 618     | 0.03%  | 0.004% |
| 91  | 13.684 | 3911 | 3917 | 3920 | rBV3 | 1207   | 1087    | 0.06%  | 0.007% |
| 92  | 13.845 | 3965 | 3967 | 3971 | rVB2 | 1170   | 588     | 0.03%  | 0.004% |
| 93  | 14.019 | 4018 | 4021 | 4023 | rBV3 | 1061   | 690     | 0.04%  | 0.005% |
| 94  | 14.096 | 4042 | 4045 | 4048 | rBV2 | 902    | 622     | 0.03%  | 0.004% |
| 95  | 14.427 | 4145 | 4148 | 4150 | rBV2 | 916    | 601     | 0.03%  | 0.004% |
| 96  | 14.839 | 4273 | 4276 | 4278 | rBV  | 1152   | 747     | 0.04%  | 0.005% |
| 97  | 14.903 | 4294 | 4296 | 4298 | rBV3 | 804    | 425     | 0.02%  | 0.003% |
| 98  | 14.990 | 4319 | 4323 | 4328 | rBV4 | 1013   | 1221    | 0.06%  | 0.008% |
| 99  | 15.105 | 4357 | 4359 | 4361 | rBV  | 823    | 453     | 0.02%  | 0.003% |
| 100 | 15.591 | 4507 | 4510 | 4513 | rBV5 | 1302   | 1155    | 0.06%  | 0.008% |

Sum of corrected areas: 14549040



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU041119\  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |
|------------------|----|---------|-------|----------|-----------------------|
|                  |    |         |       |          | # RT Resp Conc        |