

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040319\  
 Data File : VV010094.D  
 Acq On : 03 Apr 2019 15:52  
 Operator : SY/MD  
 Sample : K2215-08  
 Misc : 4.52G/10mL/MSVOA V/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF2M9

## 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\_V\METHOD\SOM2VLM040219S.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         | 1.315       | 66            | 70          | 86           | rVB      | 101445         | 109550        | 2.93%           | 1.077%        |
| 2         | 1.569       | 145           | 149         | 159          | rVB      | 117898         | 118026        | 3.15%           | 1.161%        |
| 3         | 2.122       | 312           | 321         | 334          | rBV2     | 271594         | 394640        | 10.54%          | 3.881%        |
| 4         | 2.434       | 410           | 418         | 436          | rVB      | 24065          | 41849         | 1.12%           | 0.412%        |
| 5         | 2.534       | 441           | 449         | 460          | rVB2     | 12640          | 22710         | 0.61%           | 0.223%        |
| 6         | 2.650       | 477           | 485         | 500          | rVB2     | 10582          | 20233         | 0.54%           | 0.199%        |
| 7         | 2.794       | 521           | 530         | 534          | rBV5     | 889            | 1265          | 0.03%           | 0.012%        |
| 8         | 2.884       | 555           | 558         | 563          | rBV4     | 556            | 624           | 0.02%           | 0.006%        |
| 9         | 2.933       | 571           | 573         | 576          | rVB3     | 705            | 324           | 0.01%           | 0.003%        |
| 10        | 3.026       | 601           | 602         | 605          | rBV2     | 570            | 286           | 0.01%           | 0.003%        |
| 11        | 3.052       | 605           | 610         | 612          | rBV2     | 1357           | 1125          | 0.03%           | 0.011%        |
| 12        | 3.408       | 717           | 721         | 724          | rBV3     | 679            | 575           | 0.02%           | 0.006%        |
| 13        | 3.489       | 743           | 746         | 750          | rBV      | 314            | 291           | 0.01%           | 0.003%        |
| 14        | 3.746       | 824           | 826         | 831          | rVB4     | 744            | 549           | 0.01%           | 0.005%        |
| 15        | 3.772       | 832           | 834         | 838          | rBV3     | 636            | 410           | 0.01%           | 0.004%        |
| 16        | 3.794       | 838           | 841         | 844          | rVV3     | 455            | 339           | 0.01%           | 0.003%        |
| 17        | 3.849       | 855           | 858         | 859          | rBV      | 558            | 318           | 0.01%           | 0.003%        |
| 18        | 3.952       | 878           | 890         | 918          | rVV3     | 22141          | 86209         | 2.30%           | 0.848%        |
| 19        | 4.154       | 950           | 953         | 955          | rBV      | 744            | 451           | 0.01%           | 0.004%        |
| 20        | 4.399       | 1012          | 1029        | 1049         | rBV2     | 143274         | 356724        | 9.53%           | 3.508%        |
| 21        | 4.707       | 1122          | 1125        | 1130         | rBV4     | 869            | 717           | 0.02%           | 0.007%        |
| 22        | 4.736       | 1130          | 1134        | 1136         | rVV3     | 703            | 430           | 0.01%           | 0.004%        |
| 23        | 4.781       | 1147          | 1148        | 1153         | rVB4     | 715            | 393           | 0.01%           | 0.004%        |
| 24        | 4.846       | 1164          | 1168        | 1170         | rBV      | 411            | 353           | 0.01%           | 0.003%        |
| 25        | 4.868       | 1173          | 1175        | 1179         | rBV2     | 681            | 325           | 0.01%           | 0.003%        |
| 26        | 4.920       | 1188          | 1191        | 1193         | rBV2     | 617            | 360           | 0.01%           | 0.004%        |
| 27        | 5.016       | 1219          | 1221        | 1224         | rBV      | 461            | 315           | 0.01%           | 0.003%        |
| 28        | 5.093       | 1227          | 1245        | 1286         | rBV2     | 344020         | 872490        | 23.30%          | 8.581%        |
| 29        | 5.370       | 1329          | 1331        | 1334         | rBV4     | 472            | 280           | 0.01%           | 0.003%        |
| 30        | 5.547       | 1384          | 1386        | 1390         | rBV2     | 539            | 329           | 0.01%           | 0.003%        |
| 31        | 5.662       | 1408          | 1422        | 1441         | rBV      | 275452         | 555153        | 14.83%          | 5.460%        |
| 32        | 5.949       | 1501          | 1511        | 1513         | rBV5     | 5324           | 7115          | 0.19%           | 0.070%        |
| 33        | 6.010       | 1526          | 1530        | 1532         | rBV3     | 576            | 424           | 0.01%           | 0.004%        |
| 34        | 6.116       | 1551          | 1563        | 1586         | rVB      | 190564         | 386537        | 10.32%          | 3.802%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 6.534  | 1690 | 1693 | 1695 | rVB  | 762     | 418     | 0.01%   | 0.004%  |
| 36 | 6.595  | 1710 | 1712 | 1716 | rBV4 | 450     | 257     | 0.01%   | 0.003%  |
| 37 | 6.656  | 1729 | 1731 | 1734 | rBV2 | 740     | 378     | 0.01%   | 0.004%  |
| 38 | 6.768  | 1765 | 1766 | 1768 | rBV  | 723     | 342     | 0.01%   | 0.003%  |
| 39 | 6.813  | 1776 | 1780 | 1781 | rBV2 | 1092    | 744     | 0.02%   | 0.007%  |
| 40 | 6.891  | 1797 | 1804 | 1807 | rBV2 | 727     | 737     | 0.02%   | 0.007%  |
| 41 | 6.910  | 1807 | 1810 | 1814 | rVV4 | 459     | 350     | 0.01%   | 0.003%  |
| 42 | 6.961  | 1825 | 1826 | 1829 | rBV2 | 423     | 304     | 0.01%   | 0.003%  |
| 43 | 7.029  | 1832 | 1847 | 1863 | rBV  | 86474   | 157234  | 4.20%   | 1.546%  |
| 44 | 7.267  | 1918 | 1921 | 1923 | rBV4 | 1126    | 677     | 0.02%   | 0.007%  |
| 45 | 7.360  | 1937 | 1950 | 1966 | rBV  | 399228  | 708667  | 18.93%  | 6.970%  |
| 46 | 7.543  | 2005 | 2007 | 2010 | rBV2 | 683     | 460     | 0.01%   | 0.005%  |
| 47 | 7.666  | 2032 | 2045 | 2060 | rBV2 | 55682   | 98668   | 2.64%   | 0.970%  |
| 48 | 7.810  | 2087 | 2090 | 2092 | rBV  | 473     | 337     | 0.01%   | 0.003%  |
| 49 | 8.019  | 2140 | 2155 | 2182 | rVV  | 2212538 | 3744278 | 100.00% | 36.825% |
| 50 | 8.138  | 2184 | 2192 | 2211 | rVB  | 81723   | 145498  | 3.89%   | 1.431%  |
| 51 | 8.389  | 2264 | 2270 | 2274 | rBV5 | 993     | 1365    | 0.04%   | 0.013%  |
| 52 | 8.453  | 2288 | 2290 | 2291 | rBV2 | 763     | 306     | 0.01%   | 0.003%  |
| 53 | 8.537  | 2313 | 2316 | 2319 | rBV2 | 762     | 479     | 0.01%   | 0.005%  |
| 54 | 8.563  | 2322 | 2324 | 2327 | rBV2 | 406     | 273     | 0.01%   | 0.003%  |
| 55 | 8.897  | 2415 | 2428 | 2456 | rBV  | 424717  | 708536  | 18.92%  | 6.969%  |
| 56 | 9.141  | 2502 | 2504 | 2507 | rBV2 | 659     | 410     | 0.01%   | 0.004%  |
| 57 | 9.177  | 2513 | 2515 | 2517 | rBV2 | 961     | 608     | 0.02%   | 0.006%  |
| 58 | 9.347  | 2565 | 2568 | 2570 | rBV2 | 716     | 471     | 0.01%   | 0.005%  |
| 59 | 9.402  | 2582 | 2585 | 2589 | rVB2 | 627     | 487     | 0.01%   | 0.005%  |
| 60 | 9.424  | 2589 | 2592 | 2594 | rBV  | 495     | 284     | 0.01%   | 0.003%  |
| 61 | 9.746  | 2688 | 2692 | 2693 | rBV2 | 517     | 397     | 0.01%   | 0.004%  |
| 62 | 9.781  | 2701 | 2703 | 2706 | rBV3 | 456     | 331     | 0.01%   | 0.003%  |
| 63 | 9.881  | 2731 | 2734 | 2736 | rBV2 | 468     | 286     | 0.01%   | 0.003%  |
| 64 | 9.932  | 2749 | 2750 | 2752 | rBV2 | 509     | 273     | 0.01%   | 0.003%  |
| 65 | 9.948  | 2752 | 2755 | 2760 | rVV4 | 1443    | 1377    | 0.04%   | 0.014%  |
| 66 | 9.981  | 2763 | 2765 | 2769 | rVB3 | 891     | 550     | 0.01%   | 0.005%  |
| 67 | 10.064 | 2787 | 2791 | 2794 | rBV3 | 491     | 356     | 0.01%   | 0.004%  |
| 68 | 10.264 | 2840 | 2853 | 2874 | rVB  | 198396  | 318419  | 8.50%   | 3.132%  |
| 69 | 10.350 | 2874 | 2880 | 2884 | rBV3 | 643     | 804     | 0.02%   | 0.008%  |
| 70 | 10.421 | 2894 | 2902 | 2913 | rVB5 | 6957    | 11984   | 0.32%   | 0.118%  |
| 71 | 10.466 | 2913 | 2916 | 2917 | rBV2 | 527     | 311     | 0.01%   | 0.003%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.505 | 2924 | 2928 | 2930 | rBV  | 460    | 389    | 0.01%  | 0.004% |
| 73  | 10.575 | 2948 | 2950 | 2956 | rBV2 | 379    | 279    | 0.01%  | 0.003% |
| 74  | 10.865 | 3036 | 3040 | 3043 | rBV2 | 556    | 426    | 0.01%  | 0.004% |
| 75  | 10.897 | 3048 | 3050 | 3054 | rVB2 | 458    | 292    | 0.01%  | 0.003% |
| 76  | 10.923 | 3054 | 3058 | 3059 | rBV3 | 353    | 260    | 0.01%  | 0.003% |
| 77  | 11.077 | 3104 | 3106 | 3109 | rBV2 | 546    | 349    | 0.01%  | 0.003% |
| 78  | 11.296 | 3163 | 3174 | 3194 | rVB  | 386686 | 633136 | 16.91% | 6.227% |
| 79  | 11.517 | 3242 | 3243 | 3247 | rVB2 | 639    | 299    | 0.01%  | 0.003% |
| 80  | 11.553 | 3251 | 3254 | 3256 | rBV2 | 522    | 381    | 0.01%  | 0.004% |
| 81  | 11.672 | 3279 | 3291 | 3311 | rBV  | 392349 | 629726 | 16.82% | 6.193% |
| 82  | 11.765 | 3318 | 3320 | 3325 | rBV  | 633    | 416    | 0.01%  | 0.004% |
| 83  | 11.939 | 3371 | 3374 | 3377 | rBV2 | 690    | 464    | 0.01%  | 0.005% |
| 84  | 12.225 | 3459 | 3463 | 3467 | rBV2 | 693    | 650    | 0.02%  | 0.006% |
| 85  | 12.247 | 3467 | 3470 | 3474 | rVB2 | 1260   | 717    | 0.02%  | 0.007% |
| 86  | 12.292 | 3474 | 3484 | 3485 | rBV4 | 4809   | 4421   | 0.12%  | 0.043% |
| 87  | 12.347 | 3498 | 3501 | 3505 | rVB  | 550    | 323    | 0.01%  | 0.003% |
| 88  | 12.437 | 3527 | 3529 | 3531 | rBV2 | 668    | 353    | 0.01%  | 0.003% |
| 89  | 12.466 | 3535 | 3538 | 3541 | rBV  | 688    | 343    | 0.01%  | 0.003% |
| 90  | 12.550 | 3562 | 3564 | 3568 | rBV  | 617    | 375    | 0.01%  | 0.004% |
| 91  | 12.730 | 3618 | 3620 | 3624 | rVB3 | 727    | 348    | 0.01%  | 0.003% |
| 92  | 12.839 | 3651 | 3654 | 3659 | rBV3 | 691    | 490    | 0.01%  | 0.005% |
| 93  | 13.048 | 3714 | 3719 | 3721 | rBV  | 686    | 587    | 0.02%  | 0.006% |
| 94  | 13.074 | 3725 | 3727 | 3732 | rBV3 | 560    | 545    | 0.01%  | 0.005% |
| 95  | 13.312 | 3799 | 3801 | 3807 | rVB3 | 969    | 608    | 0.02%  | 0.006% |
| 96  | 13.418 | 3831 | 3834 | 3837 | rBV3 | 511    | 400    | 0.01%  | 0.004% |
| 97  | 13.501 | 3857 | 3860 | 3863 | rBV  | 505    | 394    | 0.01%  | 0.004% |
| 98  | 13.697 | 3919 | 3921 | 3923 | rBV2 | 540    | 287    | 0.01%  | 0.003% |
| 99  | 13.980 | 4005 | 4009 | 4012 | rBV2 | 574    | 574    | 0.02%  | 0.006% |
| 100 | 14.749 | 4246 | 4248 | 4251 | rBV3 | 795    | 445    | 0.01%  | 0.004% |

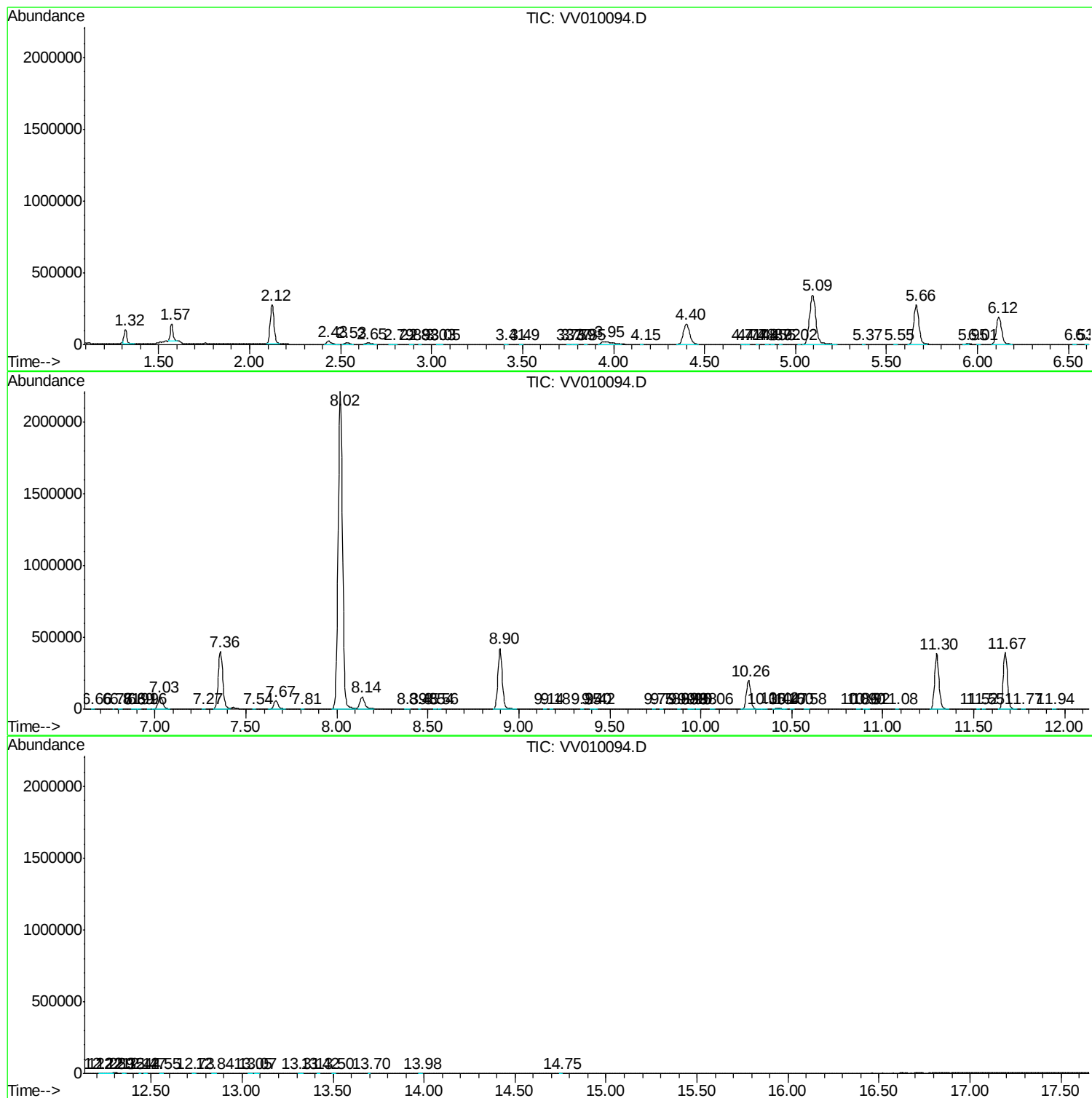
Sum of corrected areas: 10167652

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_V\DATA\VV040319\  
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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        |