

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092519\  
 Data File : VV012974.D  
 Acq On : 25 Sep 2019 14:03  
 Operator : SY/MD  
 Sample : K4958-09RE  
 Misc : 3.91G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESNZ1RE

## 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\SOM2VLM092319S.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         | 1.203       | 31            | 35          | 40           | rBV      | 45017          | 42632         | 2.13%           | 0.298%        |
| 2         | 1.315       | 63            | 70          | 86           | rVV      | 281329         | 305182        | 15.23%          | 2.135%        |
| 3         | 1.389       | 89            | 93          | 101          | rVB      | 38405          | 36860         | 1.84%           | 0.258%        |
| 4         | 1.579       | 145           | 152         | 166          | rVB      | 253021         | 299309        | 14.93%          | 2.094%        |
| 5         | 1.894       | 244           | 250         | 265          | rVB      | 37843          | 64684         | 3.23%           | 0.453%        |
| 6         | 2.126       | 312           | 322         | 333          | rBV      | 433181         | 624564        | 31.16%          | 4.370%        |
| 7         | 2.184       | 334           | 340         | 347          | rVV      | 69372          | 98194         | 4.90%           | 0.687%        |
| 8         | 2.229       | 349           | 354         | 368          | rVB      | 29982          | 43299         | 2.16%           | 0.303%        |
| 9         | 2.312       | 374           | 380         | 392          | rVB4     | 7425           | 13653         | 0.68%           | 0.096%        |
| 10        | 2.534       | 438           | 449         | 461          | rBV2     | 53198          | 86852         | 4.33%           | 0.608%        |
| 11        | 2.650       | 473           | 485         | 500          | rVB      | 34135          | 70568         | 3.52%           | 0.494%        |
| 12        | 2.798       | 527           | 531         | 537          | rVB5     | 1248           | 1299          | 0.06%           | 0.009%        |
| 13        | 2.859       | 545           | 550         | 552          | rBV2     | 660            | 618           | 0.03%           | 0.004%        |
| 14        | 2.987       | 581           | 590         | 605          | rBV8     | 3231           | 6871          | 0.34%           | 0.048%        |
| 15        | 3.077       | 606           | 618         | 627          | rBV5     | 7059           | 14157         | 0.71%           | 0.099%        |
| 16        | 3.222       | 656           | 663         | 664          | rBV3     | 1382           | 1335          | 0.07%           | 0.009%        |
| 17        | 3.264       | 674           | 676         | 679          | rVB      | 897            | 509           | 0.03%           | 0.004%        |
| 18        | 3.422       | 718           | 725         | 727          | rBV5     | 492            | 531           | 0.03%           | 0.004%        |
| 19        | 3.492       | 743           | 747         | 750          | rVB3     | 842            | 560           | 0.03%           | 0.004%        |
| 20        | 3.553       | 761           | 766         | 771          | rBV5     | 1234           | 1294          | 0.06%           | 0.009%        |
| 21        | 3.759       | 825           | 830         | 834          | rBV4     | 914            | 1213          | 0.06%           | 0.008%        |
| 22        | 3.856       | 857           | 860         | 865          | rBV4     | 823            | 739           | 0.04%           | 0.005%        |
| 23        | 3.936       | 869           | 885         | 926          | rBV3     | 149267         | 554814        | 27.68%          | 3.882%        |
| 24        | 4.396       | 1010          | 1028        | 1054         | rBV      | 335081         | 814095        | 40.61%          | 5.696%        |
| 25        | 4.685       | 1114          | 1118        | 1119         | rBV4     | 1236           | 954           | 0.05%           | 0.007%        |
| 26        | 4.778       | 1144          | 1147        | 1149         | rBV3     | 837            | 534           | 0.03%           | 0.004%        |
| 27        | 4.897       | 1180          | 1184        | 1186         | rBV3     | 843            | 514           | 0.03%           | 0.004%        |
| 28        | 5.093       | 1226          | 1245        | 1284         | rVV2     | 774200         | 2004438       | 100.00%         | 14.025%       |
| 29        | 5.370       | 1328          | 1331        | 1333         | rBV4     | 1394           | 1001          | 0.05%           | 0.007%        |
| 30        | 5.450       | 1354          | 1356        | 1363         | rVB6     | 1165           | 1117          | 0.06%           | 0.008%        |
| 31        | 5.486       | 1363          | 1367        | 1369         | rBV2     | 728            | 564           | 0.03%           | 0.004%        |
| 32        | 5.547       | 1383          | 1386        | 1392         | rBV7     | 1248           | 930           | 0.05%           | 0.007%        |
| 33        | 5.576       | 1392          | 1395        | 1403         | rVB8     | 1480           | 1917          | 0.10%           | 0.013%        |
| 34        | 5.659       | 1404          | 1421        | 1448         | rBV      | 732414         | 1450997       | 72.39%          | 10.153%       |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Title : VOC Analysis

|    |       |      |      |      |       |        |         |        |         |
|----|-------|------|------|------|-------|--------|---------|--------|---------|
| 35 | 5.859 | 1477 | 1483 | 1485 | rBV6  | 1231   | 1377    | 0.07%  | 0.010%  |
| 36 | 5.949 | 1499 | 1511 | 1523 | rVV3  | 16580  | 33158   | 1.65%  | 0.232%  |
| 37 | 5.994 | 1523 | 1525 | 1527 | rVB3  | 1552   | 705     | 0.04%  | 0.005%  |
| 38 | 6.113 | 1547 | 1562 | 1591 | rBV   | 474688 | 954483  | 47.62% | 6.679%  |
| 39 | 6.338 | 1628 | 1632 | 1635 | rBV4  | 1422   | 1155    | 0.06%  | 0.008%  |
| 40 | 6.441 | 1662 | 1664 | 1671 | rVB6  | 746    | 541     | 0.03%  | 0.004%  |
| 41 | 6.502 | 1678 | 1683 | 1686 | rVB5  | 759    | 681     | 0.03%  | 0.005%  |
| 42 | 6.521 | 1686 | 1689 | 1690 | rBV2  | 869    | 502     | 0.03%  | 0.004%  |
| 43 | 6.614 | 1714 | 1718 | 1723 | rBV4  | 785    | 605     | 0.03%  | 0.004%  |
| 44 | 6.653 | 1723 | 1730 | 1733 | rBV4  | 1572   | 1465    | 0.07%  | 0.010%  |
| 45 | 6.691 | 1733 | 1742 | 1747 | rBV8  | 2138   | 3457    | 0.17%  | 0.024%  |
| 46 | 6.733 | 1753 | 1755 | 1767 | rVB6  | 1041   | 1131    | 0.06%  | 0.008%  |
| 47 | 6.778 | 1767 | 1769 | 1775 | rVB3  | 792    | 504     | 0.03%  | 0.004%  |
| 48 | 6.878 | 1797 | 1800 | 1804 | rVB4  | 819    | 607     | 0.03%  | 0.004%  |
| 49 | 6.952 | 1820 | 1823 | 1827 | rVB3  | 821    | 593     | 0.03%  | 0.004%  |
| 50 | 7.026 | 1832 | 1846 | 1869 | rBV2  | 181940 | 332476  | 16.59% | 2.326%  |
| 51 | 7.280 | 1915 | 1925 | 1932 | rBV10 | 3592   | 6420    | 0.32%  | 0.045%  |
| 52 | 7.357 | 1936 | 1949 | 1966 | rBV   | 747568 | 1297334 | 64.72% | 9.078%  |
| 53 | 7.659 | 2033 | 2043 | 2059 | rBV   | 121007 | 213715  | 10.66% | 1.495%  |
| 54 | 7.801 | 2082 | 2087 | 2088 | rBV4  | 748    | 558     | 0.03%  | 0.004%  |
| 55 | 7.981 | 2131 | 2143 | 2151 | rBV3  | 21313  | 39277   | 1.96%  | 0.275%  |
| 56 | 8.129 | 2178 | 2189 | 2225 | rBV2  | 224681 | 500289  | 24.96% | 3.501%  |
| 57 | 8.357 | 2258 | 2260 | 2263 | rBV4  | 858    | 496     | 0.02%  | 0.003%  |
| 58 | 8.457 | 2280 | 2291 | 2303 | rBV4  | 16221  | 31040   | 1.55%  | 0.217%  |
| 59 | 8.894 | 2414 | 2427 | 2458 | rBV   | 976164 | 1620352 | 80.84% | 11.338% |
| 60 | 9.035 | 2467 | 2471 | 2472 | rBV3  | 822    | 620     | 0.03%  | 0.004%  |
| 61 | 9.052 | 2474 | 2476 | 2484 | rVB9  | 2226   | 2164    | 0.11%  | 0.015%  |
| 62 | 9.148 | 2502 | 2506 | 2508 | rBV4  | 708    | 584     | 0.03%  | 0.004%  |
| 63 | 9.180 | 2512 | 2516 | 2519 | rBV3  | 1576   | 1479    | 0.07%  | 0.010%  |
| 64 | 9.402 | 2582 | 2585 | 2588 | rBV2  | 810    | 538     | 0.03%  | 0.004%  |
| 65 | 9.421 | 2588 | 2591 | 2593 | rBV3  | 967    | 726     | 0.04%  | 0.005%  |
| 66 | 9.460 | 2597 | 2603 | 2604 | rBV3  | 757    | 733     | 0.04%  | 0.005%  |
| 67 | 9.508 | 2613 | 2618 | 2621 | rVV5  | 1019   | 943     | 0.05%  | 0.007%  |
| 68 | 9.524 | 2621 | 2623 | 2627 | rVB4  | 746    | 521     | 0.03%  | 0.004%  |
| 69 | 9.582 | 2637 | 2641 | 2642 | rBV3  | 1344   | 940     | 0.05%  | 0.007%  |
| 70 | 9.707 | 2677 | 2680 | 2681 | rBV2  | 814    | 526     | 0.03%  | 0.004%  |
| 71 | 9.797 | 2702 | 2708 | 2710 | rBV6  | 1144   | 1132    | 0.06%  | 0.008%  |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 9.891  | 2733 | 2737 | 2743 | rVB6 | 3865   | 4478    | 0.22%  | 0.031% |
| 73  | 9.945  | 2746 | 2754 | 2765 | rBV6 | 9338   | 15020   | 0.75%  | 0.105% |
| 74  | 10.010 | 2771 | 2774 | 2778 | rVB4 | 1352   | 938     | 0.05%  | 0.007% |
| 75  | 10.055 | 2784 | 2788 | 2789 | rBV2 | 1391   | 966     | 0.05%  | 0.007% |
| 76  | 10.074 | 2793 | 2794 | 2798 | rVB2 | 841    | 500     | 0.02%  | 0.003% |
| 77  | 10.096 | 2798 | 2801 | 2806 | rBV4 | 797    | 887     | 0.04%  | 0.006% |
| 78  | 10.125 | 2806 | 2810 | 2813 | rBV3 | 938    | 749     | 0.04%  | 0.005% |
| 79  | 10.158 | 2817 | 2820 | 2822 | rBV3 | 1533   | 999     | 0.05%  | 0.007% |
| 80  | 10.257 | 2838 | 2851 | 2871 | rBV  | 397384 | 624363  | 31.15% | 4.369% |
| 81  | 10.421 | 2890 | 2902 | 2914 | rVB2 | 36775  | 61278   | 3.06%  | 0.429% |
| 82  | 10.553 | 2939 | 2943 | 2946 | rBV7 | 1766   | 1191    | 0.06%  | 0.008% |
| 83  | 10.572 | 2946 | 2949 | 2951 | rVV2 | 1423   | 748     | 0.04%  | 0.005% |
| 84  | 10.617 | 2957 | 2963 | 2980 | rVB7 | 5664   | 10343   | 0.52%  | 0.072% |
| 85  | 10.701 | 2984 | 2989 | 2995 | rBV6 | 1746   | 1743    | 0.09%  | 0.012% |
| 86  | 10.762 | 3000 | 3008 | 3009 | rBV6 | 2022   | 2133    | 0.11%  | 0.015% |
| 87  | 10.810 | 3019 | 3023 | 3027 | rBV5 | 2255   | 2105    | 0.11%  | 0.015% |
| 88  | 11.071 | 3100 | 3104 | 3107 | rBV6 | 2020   | 2011    | 0.10%  | 0.014% |
| 89  | 11.186 | 3135 | 3140 | 3142 | rBV4 | 2904   | 2854    | 0.14%  | 0.020% |
| 90  | 11.293 | 3161 | 3173 | 3191 | rBV  | 701254 | 1110341 | 55.39% | 7.769% |
| 91  | 11.669 | 3277 | 3290 | 3305 | rBV  | 491222 | 786927  | 39.26% | 5.506% |
| 92  | 11.833 | 3331 | 3341 | 3344 | rBV8 | 6851   | 11393   | 0.57%  | 0.080% |
| 93  | 12.238 | 3463 | 3467 | 3470 | rBV6 | 2040   | 1787    | 0.09%  | 0.013% |
| 94  | 12.293 | 3476 | 3484 | 3498 | rBV  | 14926  | 26424   | 1.32%  | 0.185% |
| 95  | 12.598 | 3571 | 3579 | 3580 | rBV7 | 2230   | 2614    | 0.13%  | 0.018% |
| 96  | 13.080 | 3724 | 3729 | 3732 | rBV7 | 3726   | 3606    | 0.18%  | 0.025% |
| 97  | 13.791 | 3945 | 3950 | 3958 | rVB5 | 6363   | 9039    | 0.45%  | 0.063% |
| 98  | 13.846 | 3963 | 3967 | 3970 | rBV5 | 2130   | 2173    | 0.11%  | 0.015% |
| 99  | 14.598 | 4198 | 4201 | 4205 | rBV4 | 2466   | 1796    | 0.09%  | 0.013% |
| 100 | 14.878 | 4285 | 4288 | 4289 | rBV2 | 2546   | 1539    | 0.08%  | 0.011% |

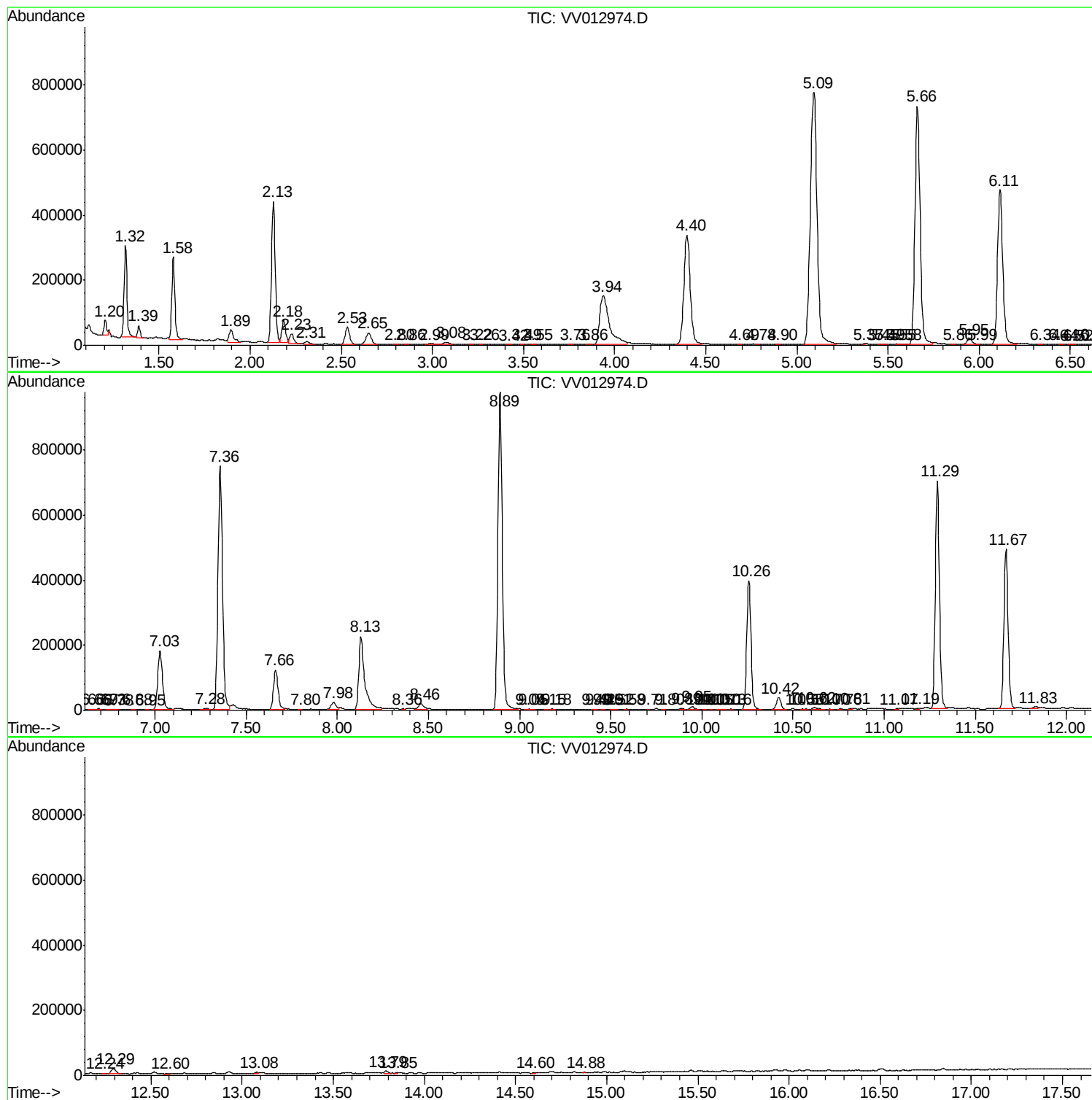
Sum of corrected areas: 14291570

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ESN21RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_V\DATA\VV092519\  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_V\METHOD\SOM2VLM092319S.M  
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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        |