LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010939.D
Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.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 | 1.315 | 63 | 70 | 81 | rVB | 70374 | 69160 | 14.27% | 1.976% |
| 2 | 1.563 | 140 | 147 | 155 | rVB | 46405 | 53693 | 11.08% | 1.534% |
| 3 | 1.975 | 269 | 275 | 287 | rVB4 | 1880 | 3048 | 0.63% | 0.087% |
| 4 | 2.119 | 311 | 320 | 333 | rBV | 111614 | 156347 | 32.26% | 4.467% |
| 5 | 2.274 | 366 | 368 | 370 | rBV | 321 | 143 | 0.03% | 0.004% |
| 6 | 2.287 | 370 | 372 | 373 | rBV | 500 | 205 | 0.04% | 0.006% |
| 7 | 2.315 | 373 | 381 | 393 | rVB2 | 2841 | 5268 | 1.09% | 0.151% |
| 8 | 2.364 | 394 | 396 | 398 | rBV2 | 314 | 186 | 0.04% | 0.005% |
| 9 | 2.528 | 439 | 447 | 456 | rVB2 | 5577 | 8962 | 1.85% | 0.256% |
| 10 | 2.608 | 468 | 472 | 475 | rBV2 | 229 | 202 | 0.04% | 0.006% |
| 11 | 2.791 | 525 | 529 | 530 | rBV3 | 377 | 241 | 0.05% | 0.007% |
| 12 | 3.065 | 608 | 614 | 615 | rBV2 | 820 | 769 | 0.16% | 0.022% |
| 13 | 3.357 | 702 | 705 | 708 | rBV | 173 | 161 | 0.03% | 0.005% |
| 14 | 3.489 | 741 | 746 | 749 | rVB2 | 229 | 222 | 0.05% | 0.006% |
| 15 | 3.508 | 749 | 752 | 755 | rBV | 233 | 207 | 0.04% | 0.006% |
| 16 | 3.586 | 769 | 776 | 783 | rBV2 | 262 | 531 | 0.11% | 0.015% |
| 17 | 3.685 | 803 | 807 | 810 | rBV | 235 | 213 | 0.04% | 0.006% |
| 18 | 3.759 | 827 | 830 | 838 | rBV2 | 168 | 266 | 0.05% | 0.008% |
| 19 | 3.939 | 873 | 886 | 906 | rBV | 16591 | 42786 | 8.83% | 1.222% |
| 20 | 4.020 | 909 | 911 | 918 | rVB2 | 631 | 600 | 0.12% | 0.017% |
| 21 | 4.071 | 924 | 927 | 934 | rVB3 | 513 | 470 | 0.10% | 0.013% |
| 22 | 4.280 | 987 | 992 | 994 | rBV2 | 194 | 221 | 0.05% | 0.006% |
| 23 | 4.396 | 1012 | 1028 | 1052 | rBV2 | 77297 | 196920 | 40.63% | 5.626% |
| 24 | 4.592 | 1086 | 1089 | 1091 | rBV | 223 | 167 | 0.03% | 0.005% |
| 25 | 4.695 | 1117 | 1121 | 1124 | rBV2 | 210 | 178 | 0.04% | 0.005% |
| 26 | 4.823 | 1158 | 1161 | 1165 | rBV2 | 223 | 186 | 0.04% | 0.005% |
| 27 | 4.868 | 1172 | 1175 | 1178 | rBV2 | 336 | 204 | 0.04% | 0.006% |
| 28 | 4.991 | 1209 | 1213 | 1218 | rBV | 198 | 215 | 0.04% | 0.006% |
| 29 | 5.090 | 1227 | 1244 | 1274 | rBV2 | 196391 | 484667 | 100.00% | 13.847% |
| 30 | 5.306 | 1307 | 1311 | 1321 | rVB3 | 384 | 484 | 0.10% | 0.014% |
| 31 | 5.486 | 1364 | 1367 | 1372 | rVB2 | 215 | 191 | 0.04% | 0.005% |
| 32 | 5.508 | 1372 | 1374 | 1380 | rBV2 | 284 | 283 | 0.06% | 0.008% |
| 33 | 5.540 | 1380 | 1384 | 1389 | rVB | 376 | 398 | 0.08% | 0.011% |
| 34 | 5.569 | 1389 | 1393 | 1394 | rBV | 334 | 293 | 0.06% | 0.008% |

LSC Area Percent Report

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Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.663 | 1407 | 1422 | 1453 | rBV | 145192 | 300798 | 62.06% | 8.594% |
| 36 | 5.958 | 1504 | 1514 | 1519 | rBV4 | 1451 | 1956 | 0.40% | 0.056% |
| 37 | 6.116 | 1549 | 1563 | 1588 | rBV2 | 108560 | 223178 | 46.05% | 6.376% |
| 38 | 6.232 | 1597 | 1599 | 1605 | rVB2 | 540 | 388 | 0.08% | 0.011% |
| 39 | 6.257 | 1605 | 1607 | 1613 | rVB3 | 312 | 208 | 0.04% | 0.006% |
| 40 | 6.364 | 1637 | 1640 | 1641 | rBV | 235 | 157 | 0.03% | 0.004% |
| 41 | 6.556 | 1695 | 1700 | 1702 | rBV | 201 | 192 | 0.04% | 0.005% |
| 42 | 6.653 | 1724 | 1730 | 1735 | rBV3 | 348 | 435 | 0.09% | 0.012% |
| 43 | 6.698 | 1735 | 1744 | 1755 | rVB6 | 1506 | 2841 | 0.59% | 0.081% |
| 44 | 6.810 | 1771 | 1779 | 1780 | rBV3 | 2543 | 2140 | 0.44% | 0.061% |
| 45 | 7.029 | 1834 | 1847 | 1866 | rBV | 57086 | 101504 | 20.94% | 2.900% |
| 46 | 7.129 | 1876 | 1878 | 1881 | rBV2 | 284 | 201 | 0.04% | 0.006% |
| 47 | 7.142 | 1881 | 1882 | 1888 | rVB | 205 | 157 | 0.03% | 0.004% |
| 48 | 7.299 | 1926 | 1931 | 1932 | rBV4 | 1205 | 925 | 0.19% | 0.026% |
| 49 | 7.357 | 1937 | 1949 | 1968 | rBV | 217197 | 388346 | 80.13% | 11.095% |
| 50 | 7.663 | 2033 | 2044 | 2066 | rVB | 38311 | 62986 | 13.00% | 1.800% |
| 51 | 7.814 | 2088 | 2091 | 2093 | rBV2 | 200 | 173 | 0.04% | 0.005% |
| 52 | 7.830 | 2094 | 2096 | 2100 | rVB2 | 253 | 196 | 0.04% | 0.006% |
| 53 | 7.891 | 2111 | 2115 | 2117 | rBV2 | 367 | 311 | 0.06% | 0.009% |
| 54 | 7.978 | 2136 | 2142 | 2150 | rBV4 | 1721 | 2550 | 0.53% | 0.073% |
| 55 | 8.132 | 2180 | 2190 | 2204 | rBV | 54286 | 94146 | 19.42% | 2.690% |
| 56 | 8.290 | 2237 | 2239 | 2250 | rVB5 | 1495 | 1383 | 0.29% | 0.040% |
| 57 | 8.386 | 2266 | 2269 | 2271 | rBV | 250 | 169 | 0.03% | 0.005% |
| 58 | 8.402 | 2271 | 2274 | 2282 | rVB3 | 381 | 368 | 0.08% | 0.011% |
| 59 | 8.492 | 2300 | 2302 | 2308 | rVB2 | 235 | 176 | 0.04% | 0.005% |
| 60 | 8.556 | 2318 | 2322 | 2326 | rBV2 | 213 | 244 | 0.05% | 0.007% |
| 61 | 8.691 | 2359 | 2364 | 2367 | rBV2 | 232 | 221 | 0.05% | 0.006% |
| 62 | 8.894 | 2412 | 2427 | 2454 | rBV | 231217 | 392920 | 81.07% | 11.226% |
| 63 | 9.055 | 2471 | 2477 | 2485 | rVB5 | 1124 | 1462 | 0.30% | 0.042% |
| 64 | 9.180 | 2509 | 2516 | 2526 | rBV3 | 846 | 1415 | 0.29% | 0.040% |
| 65 | 9.425 | 2589 | 2592 | 2596 | rBV2 | 174 | 145 | 0.03% | 0.004% |
| 66 | 9.598 | 2637 | 2646 | 2654 | rVB5 | 1222 | 1875 | 0.39% | 0.054% |
| 67 | 9.781 | 2699 | 2703 | 2704 | rBV | 253 | 155 | 0.03% | 0.004% |
| 68 | 9.855 | 2723 | 2726 | 2728 | rBV | 177 | 156 | 0.03% | 0.004% |
| 69 | 9.974 | 2759 | 2763 | 2769 | rVB2 | 602 | 589 | 0.12% | 0.017% |
| 70 | 10.119 | 2805 | 2808 | 2811 | rBV2 | 268 | 242 | 0.05% | 0.007% |
| 71 | 10.260 | 2840 | 2852 | 2867 | rBV | 103059 | 162662 | 33.56% | 4.647% |

LSC Area Percent Report

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Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.424 | 2895 | 2903 | 2919 | rVB5 | 2011 | 3020 | 0.62% | 0.086% |
| 73 | 10.617 | 2962 | 2963 | 2970 | rVB2 | 264 | 174 | 0.04% | 0.005% |
| 74 | 10.830 | 3026 | 3029 | 3032 | rBV | 214 | 146 | 0.03% | 0.004% |
| 75 | 10.961 | 3065 | 3070 | 3077 | rVB3 | 456 | 504 | 0.10% | 0.014% |
| 76 | 11.193 | 3136 | 3142 | 3146 | rVB4 | 790 | 942 | 0.19% | 0.027% |
| 77 | 11.296 | 3160 | 3174 | 3192 | rBV | 219873 | 356342 | 73.52% | 10.181% |
| 78 | 11.367 | 3193 | 3196 | 3203 | rVB3 | 959 | 1081 | 0.22% | 0.031% |
| 79 | 11.434 | 3209 | 3217 | 3221 | rBV2 | 943 | 1124 | 0.23% | 0.032% |
| 80 | 11.466 | 3224 | 3227 | 3229 | rBV | 559 | 314 | 0.06% | 0.009% |
| 81 | 11.672 | 3279 | 3291 | 3310 | rVV | 219317 | 349303 | 72.07% | 9.980% |
| 82 | 11.823 | 3335 | 3338 | 3339 | rBV3 | 321 | 192 | 0.04% | 0.005% |
| 83 | 11.884 | 3352 | 3357 | 3363 | rBV3 | 813 | 935 | 0.19% | 0.027% |
| 84 | 11.945 | 3372 | 3376 | 3377 | rBV3 | 291 | 169 | 0.03% | 0.005% |
| 85 | 12.045 | 3403 | 3407 | 3408 | rBV | 242 | 182 | 0.04% | 0.005% |
| 86 | 12.177 | 3444 | 3448 | 3453 | rVB2 | 429 | 334 | 0.07% | 0.010% |
| 87 | 12.296 | 3480 | 3485 | 3494 | rVB3 | 1467 | 1825 | 0.38% | 0.052% |
| 88 | 12.701 | 3605 | 3611 | 3613 | rBV3 | 485 | 462 | 0.10% | 0.013% |
| 89 | 13.074 | 3722 | 3727 | 3729 | rBV2 | 226 | 229 | 0.05% | 0.007% |
| 90 | 13.209 | 3766 | 3769 | 3774 | rVB2 | 199 | 163 | 0.03% | 0.005% |
| 91 | 13.550 | 3871 | 3875 | 3879 | rBV3 | 430 | 439 | 0.09% | 0.013% |
| 92 | 13.794 | 3943 | 3951 | 3960 | rBV4 | 3203 | 3890 | 0.80% | 0.111% |
| 93 | 14.257 | 4092 | 4095 | 4100 | rBV2 | 262 | 201 | 0.04% | 0.006% |
| 94 | 14.624 | 4207 | 4209 | 4212 | rVB2 | 276 | 148 | 0.03% | 0.004% |
| 95 | 15.328 | 4422 | 4428 | 4432 | rBV2 | 393 | 481 | 0.10% | 0.014% |
| 96 | 15.379 | 4441 | 4444 | 4445 | rBV | 300 | 190 | 0.04% | 0.005% |
| 97 | 15.453 | 4464 | 4467 | 4471 | rBV2 | 319 | 287 | 0.06% | 0.008% |
| 98 | 15.524 | 4486 | 4489 | 4495 | rVB | 365 | 282 | 0.06% | 0.008% |
| 99 | 16.009 | 4635 | 4640 | 4642 | rBV2 | 314 | 327 | 0.07% | 0.009% |
| 100 | 16.286 | 4724 | 4726 | 4732 | rBV3 | 406 | 365 | 0.08% | 0.010% |

Sum of corrected areas: 3500108

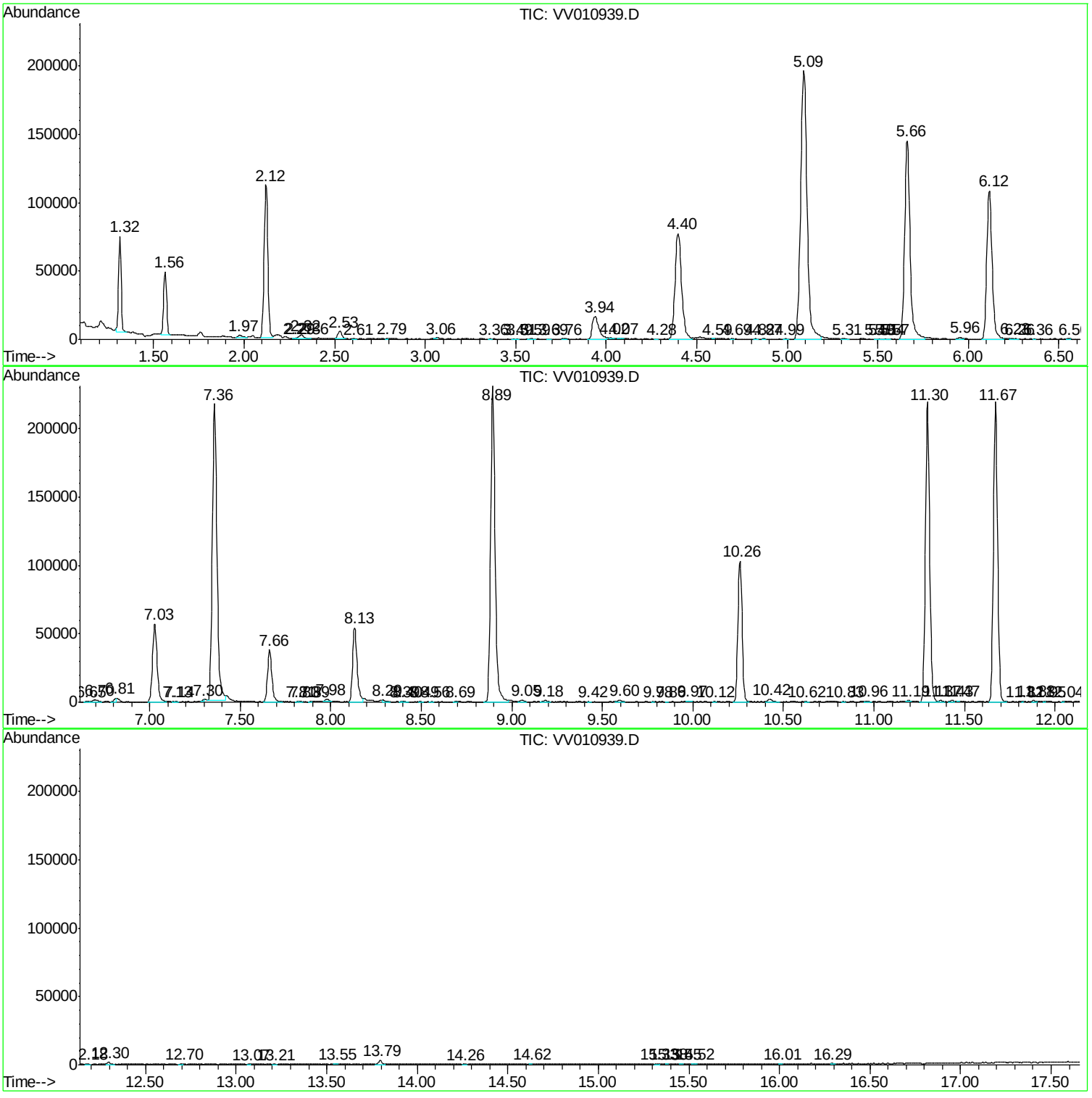
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010939.D
Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010939.D
Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

No Library Search Compounds Detected

**********

Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\
Data File : VV010939.D
Acq On : 16 May 2019 20:18
Operator : SY/MD
Sample : K2716-03
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis

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

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