LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHC3

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\SOM2VLM052019S.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 | 1.316 | 64 | 70 | 78 | rVB | 40758 | 40848 | 11.63% | 1.507% |
| 2 | 1.515 | 129 | 132 | 137 | rBV3 | 2276 | 2375 | 0.68% | 0.088% |
| 3 | 1.570 | 142 | 149 | 160 | rVB | 28009 | 32542 | 9.26% | 1.200% |
| 4 | 1.971 | 269 | 274 | 285 | rVB5 | 1704 | 2841 | 0.81% | 0.105% |
| 5 | 2.123 | 311 | 321 | 333 | rBV | 65538 | 91490 | 26.04% | 3.375% |
| 6 | 2.190 | 335 | 342 | 351 | rVB | 5775 | 8704 | 2.48% | 0.321% |
| 7 | 2.232 | 351 | 355 | 358 | rBV3 | 955 | 919 | 0.26% | 0.034% |
| 8 | 2.312 | 371 | 380 | 389 | rBV3 | 7344 | 10804 | 3.07% | 0.399% |
| 9 | 2.415 | 407 | 412 | 413 | rBV2 | 374 | 272 | 0.08% | 0.010% |
| 10 | 2.454 | 421 | 424 | 427 | rBV3 | 280 | 180 | 0.05% | 0.007% |
| 11 | 2.531 | 439 | 448 | 460 | rVB | 11004 | 16900 | 4.81% | 0.623% |
| 12 | 2.791 | 525 | 529 | 532 | rBV2 | 291 | 186 | 0.05% | 0.007% |
| 13 | 3.000 | 589 | 594 | 595 | rBV | 221 | 184 | 0.05% | 0.007% |
| 14 | 3.065 | 606 | 614 | 615 | rBV2 | 1663 | 1807 | 0.51% | 0.067% |
| 15 | 3.611 | 779 | 784 | 787 | rBV2 | 256 | 333 | 0.09% | 0.012% |
| 16 | 3.653 | 793 | 797 | 800 | rBV2 | 237 | 216 | 0.06% | 0.008% |
| 17 | 3.833 | 849 | 853 | 858 | rBV2 | 337 | 385 | 0.11% | 0.014% |
| 18 | 3.942 | 876 | 887 | 912 | rVV | 13614 | 36039 | 10.26% | 1.329% |
| 19 | 4.103 | 935 | 937 | 942 | rVB3 | 318 | 219 | 0.06% | 0.008% |
| 20 | 4.142 | 946 | 949 | 955 | rVB3 | 355 | 335 | 0.10% | 0.012% |
| 21 | 4.184 | 958 | 962 | 966 | rVB2 | 218 | 180 | 0.05% | 0.007% |
| 22 | 4.399 | 1011 | 1029 | 1052 | rBV2 | 61457 | 159998 | 45.53% | 5.902% |
| 23 | 4.505 | 1059 | 1062 | 1063 | rBV | 547 | 353 | 0.10% | 0.013% |
| 24 | 4.759 | 1139 | 1141 | 1146 | rVB2 | 377 | 286 | 0.08% | 0.011% |
| 25 | 4.807 | 1154 | 1156 | 1160 | rVB2 | 331 | 188 | 0.05% | 0.007% |
| 26 | 4.920 | 1188 | 1191 | 1198 | rVB2 | 262 | 329 | 0.09% | 0.012% |
| 27 | 4.997 | 1212 | 1215 | 1218 | rBV2 | 204 | 171 | 0.05% | 0.006% |
| 28 | 5.090 | 1224 | 1244 | 1269 | rBV3 | 140964 | 351378 | 100.00% | 12.961% |
| 29 | 5.328 | 1314 | 1318 | 1319 | rBV | 322 | 243 | 0.07% | 0.009% |
| 30 | 5.573 | 1391 | 1394 | 1397 | rBV2 | 191 | 169 | 0.05% | 0.006% |
| 31 | 5.663 | 1407 | 1422 | 1438 | rBV | 128298 | 260275 | 74.07% | 9.601% |
| 32 | 5.888 | 1490 | 1492 | 1497 | rVB2 | 374 | 275 | 0.08% | 0.010% |
| 33 | 5.913 | 1497 | 1500 | 1503 | rBV | 347 | 247 | 0.07% | 0.009% |
| 34 | 5.946 | 1503 | 1510 | 1521 | rBV6 | 2004 | 3871 | 1.10% | 0.143% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHC3

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\SOM2VLM052019S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.997 | 1521 | 1526 | 1540 | rBV5 | 3154 | 6859 | 1.95% | 0.253% |
| 36 | 6.116 | 1550 | 1563 | 1595 | rVB2 | 84467 | 174701 | 49.72% | 6.444% |
| 37 | 6.251 | 1602 | 1605 | 1607 | rBV | 394 | 281 | 0.08% | 0.010% |
| 38 | 6.290 | 1612 | 1617 | 1621 | rBV2 | 181 | 202 | 0.06% | 0.007% |
| 39 | 6.486 | 1673 | 1678 | 1681 | rBV2 | 260 | 252 | 0.07% | 0.009% |
| 40 | 6.569 | 1701 | 1704 | 1709 | rBV2 | 159 | 224 | 0.06% | 0.008% |
| 41 | 6.653 | 1724 | 1730 | 1731 | rBV | 306 | 271 | 0.08% | 0.010% |
| 42 | 6.698 | 1740 | 1744 | 1746 | rVV2 | 499 | 424 | 0.12% | 0.016% |
| 43 | 6.791 | 1768 | 1773 | 1774 | rBV2 | 226 | 191 | 0.05% | 0.007% |
| 44 | 6.820 | 1777 | 1782 | 1792 | rVB5 | 692 | 864 | 0.25% | 0.032% |
| 45 | 7.029 | 1835 | 1847 | 1871 | rBV2 | 38487 | 68957 | 19.62% | 2.544% |
| 46 | 7.293 | 1927 | 1929 | 1934 | rBV3 | 488 | 404 | 0.11% | 0.015% |
| 47 | 7.357 | 1938 | 1949 | 1971 | rBV | 155281 | 276674 | 78.74% | 10.206% |
| 48 | 7.524 | 1999 | 2001 | 2007 | rVV2 | 324 | 382 | 0.11% | 0.014% |
| 49 | 7.663 | 2034 | 2044 | 2061 | rBV2 | 25802 | 42155 | 12.00% | 1.555% |
| 50 | 7.807 | 2086 | 2089 | 2094 | rVB3 | 264 | 280 | 0.08% | 0.010% |
| 51 | 7.839 | 2094 | 2099 | 2105 | rBV3 | 253 | 336 | 0.10% | 0.012% |
| 52 | 7.878 | 2105 | 2111 | 2114 | rBV3 | 213 | 258 | 0.07% | 0.010% |
| 53 | 7.907 | 2114 | 2120 | 2123 | rBV3 | 284 | 323 | 0.09% | 0.012% |
| 54 | 7.981 | 2135 | 2143 | 2155 | rVB2 | 1020 | 1682 | 0.48% | 0.062% |
| 55 | 8.132 | 2180 | 2190 | 2212 | rBV | 50162 | 89187 | 25.38% | 3.290% |
| 56 | 8.228 | 2218 | 2220 | 2223 | rBV | 318 | 167 | 0.05% | 0.006% |
| 57 | 8.286 | 2235 | 2238 | 2246 | rVB2 | 969 | 977 | 0.28% | 0.036% |
| 58 | 8.402 | 2268 | 2274 | 2275 | rBV2 | 384 | 313 | 0.09% | 0.012% |
| 59 | 8.492 | 2294 | 2302 | 2310 | rVV5 | 1973 | 2991 | 0.85% | 0.110% |
| 60 | 8.537 | 2313 | 2316 | 2319 | rVB | 266 | 182 | 0.05% | 0.007% |
| 61 | 8.685 | 2358 | 2362 | 2370 | rBV2 | 144 | 185 | 0.05% | 0.007% |
| 62 | 8.788 | 2392 | 2394 | 2400 | rVB2 | 317 | 200 | 0.06% | 0.007% |
| 63 | 8.894 | 2414 | 2427 | 2451 | rBV | 200580 | 335678 | 95.53% | 12.382% |
| 64 | 9.055 | 2473 | 2477 | 2488 | rVB3 | 497 | 580 | 0.17% | 0.021% |
| 65 | 9.167 | 2508 | 2512 | 2513 | rBV | 421 | 234 | 0.07% | 0.009% |
| 66 | 9.183 | 2513 | 2517 | 2520 | rBV2 | 611 | 423 | 0.12% | 0.016% |
| 67 | 9.582 | 2636 | 2641 | 2642 | rBV | 584 | 445 | 0.13% | 0.016% |
| 68 | 9.820 | 2712 | 2715 | 2720 | rBV2 | 224 | 262 | 0.07% | 0.010% |
| 69 | 9.978 | 2758 | 2764 | 2768 | rVV3 | 332 | 329 | 0.09% | 0.012% |
| 70 | 10.199 | 2828 | 2833 | 2834 | rBV2 | 239 | 227 | 0.06% | 0.008% |
| 71 | 10.261 | 2840 | 2852 | 2869 | rVB | 84604 | 133849 | 38.09% | 4.937% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHC3

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\SOM2VLM052019S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.424 | 2896 | 2903 | 2911 | rBV2 | 1474 | 2192 | 0.62% | 0.081% |
| 73 | 10.595 | 2953 | 2956 | 2959 | rBV | 220 | 188 | 0.05% | 0.007% |
| 74 | 10.656 | 2972 | 2975 | 2980 | rBV2 | 178 | 190 | 0.05% | 0.007% |
| 75 | 10.955 | 3065 | 3068 | 3070 | rBV2 | 410 | 245 | 0.07% | 0.009% |
| 76 | 11.187 | 3135 | 3140 | 3144 | rBV3 | 730 | 808 | 0.23% | 0.030% |
| 77 | 11.225 | 3149 | 3152 | 3159 | rBV | 368 | 342 | 0.10% | 0.013% |
| 78 | 11.296 | 3162 | 3174 | 3192 | rBV | 168752 | 280040 | 79.70% | 10.330% |
| 79 | 11.360 | 3192 | 3194 | 3195 | rBV | 401 | 186 | 0.05% | 0.007% |
| 80 | 11.441 | 3214 | 3219 | 3223 | rBV4 | 568 | 477 | 0.14% | 0.018% |
| 81 | 11.460 | 3223 | 3225 | 3227 | rBV2 | 283 | 169 | 0.05% | 0.006% |
| 82 | 11.585 | 3262 | 3264 | 3270 | rVB3 | 454 | 295 | 0.08% | 0.011% |
| 83 | 11.672 | 3279 | 3291 | 3307 | rVB | 156096 | 248029 | 70.59% | 9.149% |
| 84 | 12.293 | 3476 | 3484 | 3494 | rVB3 | 1304 | 1979 | 0.56% | 0.073% |
| 85 | 12.392 | 3510 | 3515 | 3523 | rVB5 | 788 | 957 | 0.27% | 0.035% |
| 86 | 12.694 | 3605 | 3609 | 3611 | rBV2 | 417 | 219 | 0.06% | 0.008% |
| 87 | 12.929 | 3680 | 3682 | 3687 | rBV2 | 456 | 238 | 0.07% | 0.009% |
| 88 | 13.010 | 3704 | 3707 | 3710 | rBV | 264 | 199 | 0.06% | 0.007% |
| 89 | 13.482 | 3851 | 3854 | 3858 | rVB2 | 298 | 192 | 0.05% | 0.007% |
| 90 | 13.556 | 3875 | 3877 | 3881 | rVB2 | 430 | 268 | 0.08% | 0.010% |
| 91 | 13.666 | 3908 | 3911 | 3916 | rVB2 | 270 | 262 | 0.07% | 0.010% |
| 92 | 13.698 | 3916 | 3921 | 3925 | rBV2 | 319 | 394 | 0.11% | 0.015% |
| 93 | 13.794 | 3943 | 3951 | 3960 | rBV4 | 3032 | 3943 | 1.12% | 0.145% |
| 94 | 14.238 | 4087 | 4089 | 4093 | rVB | 397 | 187 | 0.05% | 0.007% |
| 95 | 14.582 | 4192 | 4196 | 4198 | rBV2 | 287 | 246 | 0.07% | 0.009% |
| 96 | 15.157 | 4371 | 4375 | 4376 | rBV | 295 | 202 | 0.06% | 0.007% |
| 97 | 16.328 | 4736 | 4739 | 4740 | rBV | 494 | 225 | 0.06% | 0.008% |
| 98 | 16.469 | 4780 | 4783 | 4784 | rBV2 | 338 | 202 | 0.06% | 0.007% |
| 99 | 16.546 | 4804 | 4807 | 4810 | rBV2 | 435 | 355 | 0.10% | 0.013% |
| 100 | 16.759 | 4871 | 4873 | 4877 | rBV3 | 470 | 263 | 0.07% | 0.010% |

Sum of corrected areas: 2710983

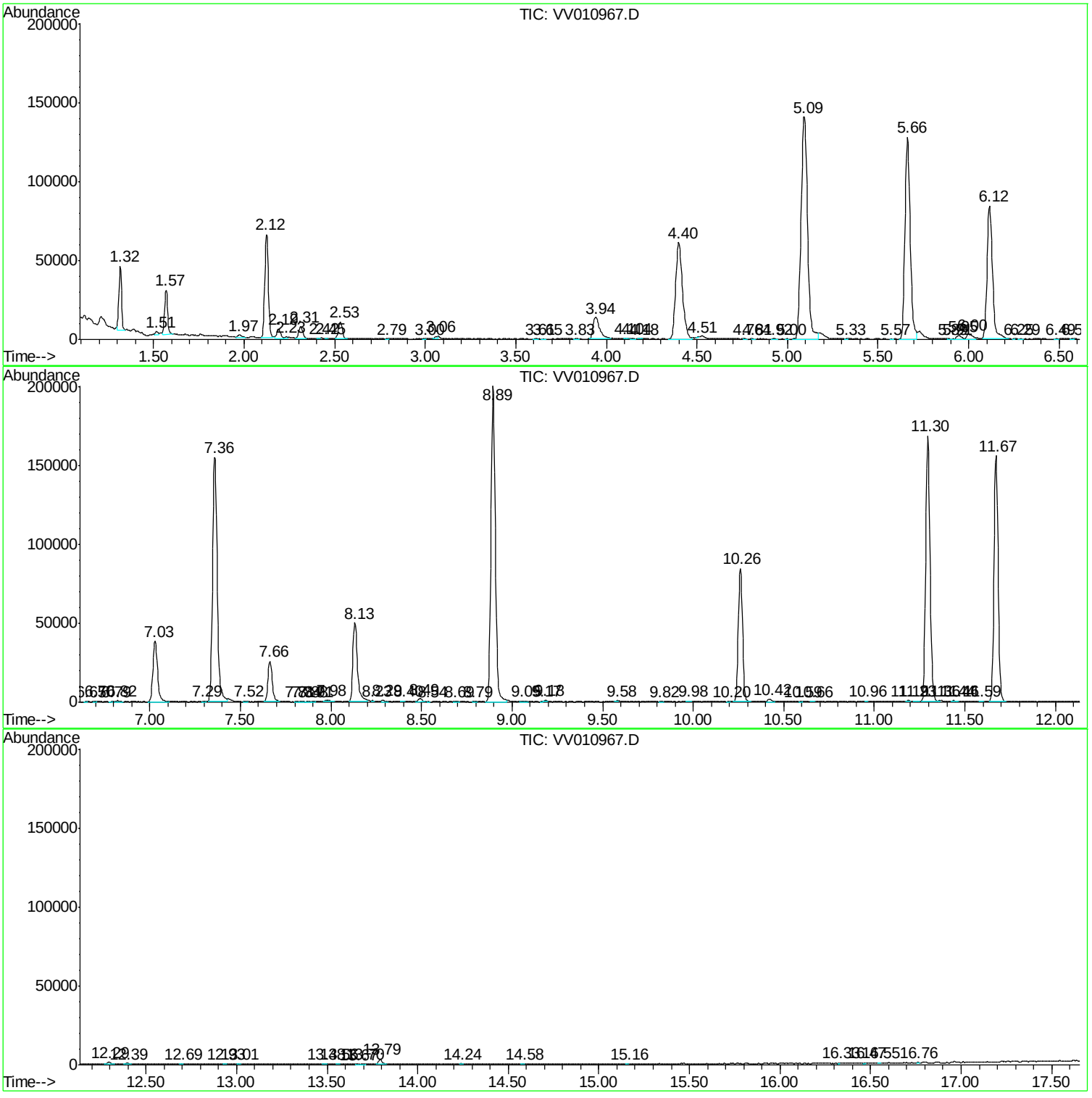
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFHC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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\VV052019\
Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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 |