LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082418\
Data File : VU026340.D
Acq On : 24 Aug 2018 17:51
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK48

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_U\METHOD\SOMULM082218WMA.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 | 0.625 | 5 | 11 | 15 | rBV3 | 512 | 638 | 0.05% | 0.006% |
| 2 | 0.690 | 26 | 31 | 36 | rVB2 | 247 | 310 | 0.03% | 0.003% |
| 3 | 1.088 | 137 | 155 | 177 | rBV | 1083368 | 1217064 | 100.00% | 10.925% |
| 4 | 1.397 | 244 | 251 | 264 | rBV | 140670 | 141883 | 11.66% | 1.274% |
| 5 | 1.680 | 331 | 339 | 352 | rVB | 107755 | 138718 | 11.40% | 1.245% |
| 6 | 2.191 | 490 | 498 | 507 | rBV9 | 3897 | 6967 | 0.57% | 0.063% |
| 7 | 2.272 | 512 | 523 | 538 | rBV | 244138 | 370221 | 30.42% | 3.323% |
| 8 | 2.442 | 572 | 576 | 579 | rBV4 | 594 | 553 | 0.05% | 0.005% |
| 9 | 2.580 | 615 | 619 | 621 | rBV | 427 | 281 | 0.02% | 0.003% |
| 10 | 2.703 | 650 | 657 | 665 | rBV4 | 1553 | 2248 | 0.18% | 0.020% |
| 11 | 2.985 | 737 | 745 | 747 | rBV4 | 976 | 1180 | 0.10% | 0.011% |
| 12 | 3.108 | 780 | 783 | 787 | rVB2 | 426 | 305 | 0.03% | 0.003% |
| 13 | 3.211 | 812 | 815 | 818 | rVV | 495 | 378 | 0.03% | 0.003% |
| 14 | 3.233 | 819 | 822 | 825 | rVB2 | 524 | 278 | 0.02% | 0.002% |
| 15 | 3.310 | 844 | 846 | 850 | rBV2 | 527 | 403 | 0.03% | 0.004% |
| 16 | 3.690 | 961 | 964 | 971 | rVB3 | 268 | 273 | 0.02% | 0.002% |
| 17 | 3.741 | 976 | 980 | 983 | rBV | 484 | 336 | 0.03% | 0.003% |
| 18 | 3.886 | 1023 | 1025 | 1032 | rVB2 | 384 | 380 | 0.03% | 0.003% |
| 19 | 4.178 | 1100 | 1116 | 1142 | rBV | 102783 | 278871 | 22.91% | 2.503% |
| 20 | 4.387 | 1177 | 1181 | 1183 | rBV2 | 598 | 490 | 0.04% | 0.004% |
| 21 | 4.458 | 1200 | 1203 | 1207 | rVV3 | 396 | 320 | 0.03% | 0.003% |
| 22 | 4.571 | 1236 | 1238 | 1243 | rBV2 | 281 | 320 | 0.03% | 0.003% |
| 23 | 4.648 | 1243 | 1262 | 1287 | rBV | 207458 | 488507 | 40.14% | 4.385% |
| 24 | 4.741 | 1288 | 1291 | 1292 | rVV2 | 615 | 299 | 0.02% | 0.003% |
| 25 | 4.825 | 1312 | 1317 | 1320 | rBV3 | 550 | 507 | 0.04% | 0.005% |
| 26 | 4.870 | 1327 | 1331 | 1335 | rBV4 | 448 | 417 | 0.03% | 0.004% |
| 27 | 4.889 | 1335 | 1337 | 1341 | rBV2 | 501 | 370 | 0.03% | 0.003% |
| 28 | 5.050 | 1384 | 1387 | 1391 | rVB | 440 | 348 | 0.03% | 0.003% |
| 29 | 5.117 | 1404 | 1408 | 1414 | rVB2 | 354 | 413 | 0.03% | 0.004% |
| 30 | 5.162 | 1417 | 1422 | 1424 | rBV | 425 | 295 | 0.02% | 0.003% |
| 31 | 5.201 | 1429 | 1434 | 1437 | rBV2 | 504 | 479 | 0.04% | 0.004% |
| 32 | 5.342 | 1452 | 1478 | 1497 | rBV2 | 412786 | 1202489 | 98.80% | 10.794% |
| 33 | 5.497 | 1524 | 1526 | 1530 | rVB3 | 504 | 326 | 0.03% | 0.003% |
| 34 | 5.760 | 1604 | 1608 | 1611 | rBV2 | 383 | 404 | 0.03% | 0.004% |

LSC Area Percent Report

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Data File : VU026340.D
Acq On : 24 Aug 2018 17:51
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK48

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_U\METHOD\SOMULM082218WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.889 | 1632 | 1648 | 1671 | rBV | 382741 | 746489 | 61.34% | 6.701% |
| 36 | 6.040 | 1690 | 1695 | 1699 | rBV3 | 543 | 731 | 0.06% | 0.007% |
| 37 | 6.075 | 1704 | 1706 | 1708 | rBV | 517 | 283 | 0.02% | 0.003% |
| 38 | 6.140 | 1723 | 1726 | 1728 | rBV2 | 496 | 287 | 0.02% | 0.003% |
| 39 | 6.191 | 1732 | 1742 | 1754 | rVB7 | 9191 | 17648 | 1.45% | 0.158% |
| 40 | 6.333 | 1771 | 1786 | 1808 | rBV | 280669 | 552026 | 45.36% | 4.955% |
| 41 | 6.464 | 1822 | 1827 | 1831 | rVV4 | 920 | 877 | 0.07% | 0.008% |
| 42 | 6.529 | 1841 | 1847 | 1850 | rBV3 | 218 | 272 | 0.02% | 0.002% |
| 43 | 6.741 | 1905 | 1913 | 1916 | rVB2 | 385 | 461 | 0.04% | 0.004% |
| 44 | 6.757 | 1916 | 1918 | 1920 | rBV3 | 391 | 282 | 0.02% | 0.003% |
| 45 | 6.812 | 1930 | 1935 | 1940 | rVB3 | 585 | 621 | 0.05% | 0.006% |
| 46 | 6.860 | 1940 | 1950 | 1960 | rBV5 | 1794 | 3284 | 0.27% | 0.029% |
| 47 | 6.931 | 1965 | 1972 | 1976 | rBV | 395 | 644 | 0.05% | 0.006% |
| 48 | 6.947 | 1976 | 1977 | 1984 | rVB3 | 301 | 280 | 0.02% | 0.003% |
| 49 | 7.230 | 2052 | 2065 | 2085 | rBV | 156213 | 274782 | 22.58% | 2.467% |
| 50 | 7.378 | 2106 | 2111 | 2116 | rBV4 | 998 | 1136 | 0.09% | 0.010% |
| 51 | 7.458 | 2132 | 2136 | 2138 | rBV3 | 877 | 649 | 0.05% | 0.006% |
| 52 | 7.567 | 2156 | 2170 | 2186 | rBV | 555963 | 957452 | 78.67% | 8.595% |
| 53 | 7.734 | 2220 | 2222 | 2227 | rVB3 | 470 | 402 | 0.03% | 0.004% |
| 54 | 7.850 | 2247 | 2258 | 2276 | rBV | 111041 | 191083 | 15.70% | 1.715% |
| 55 | 8.130 | 2342 | 2345 | 2347 | rBV3 | 549 | 368 | 0.03% | 0.003% |
| 56 | 8.185 | 2348 | 2362 | 2387 | rBV2 | 146865 | 407537 | 33.49% | 3.658% |
| 57 | 8.313 | 2393 | 2402 | 2431 | rVB | 340222 | 589351 | 48.42% | 5.290% |
| 58 | 8.567 | 2476 | 2481 | 2483 | rBV3 | 325 | 329 | 0.03% | 0.003% |
| 59 | 8.612 | 2493 | 2495 | 2497 | rBV2 | 535 | 297 | 0.02% | 0.003% |
| 60 | 8.664 | 2506 | 2511 | 2514 | rBV3 | 339 | 359 | 0.03% | 0.003% |
| 61 | 8.686 | 2514 | 2518 | 2520 | rVV | 469 | 447 | 0.04% | 0.004% |
| 62 | 8.715 | 2524 | 2527 | 2533 | rVB3 | 438 | 464 | 0.04% | 0.004% |
| 63 | 8.767 | 2538 | 2543 | 2551 | rVB3 | 518 | 896 | 0.07% | 0.008% |
| 64 | 8.892 | 2578 | 2582 | 2586 | rVB3 | 327 | 284 | 0.02% | 0.003% |
| 65 | 8.969 | 2603 | 2606 | 2612 | rVB2 | 515 | 482 | 0.04% | 0.004% |
| 66 | 9.091 | 2631 | 2644 | 2664 | rBV | 571731 | 919435 | 75.55% | 8.253% |
| 67 | 9.252 | 2689 | 2694 | 2697 | rBV5 | 1107 | 1152 | 0.09% | 0.010% |
| 68 | 9.326 | 2713 | 2717 | 2720 | rVB2 | 451 | 300 | 0.02% | 0.003% |
| 69 | 9.387 | 2726 | 2736 | 2742 | rBV4 | 1177 | 1731 | 0.14% | 0.016% |
| 70 | 9.606 | 2801 | 2804 | 2806 | rBV | 485 | 302 | 0.02% | 0.003% |
| 71 | 9.622 | 2806 | 2809 | 2812 | rVV | 393 | 314 | 0.03% | 0.003% |

LSC Area Percent Report

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Data File : VU026340.D
Acq On : 24 Aug 2018 17:51
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK48

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_U\METHOD\SOMULM082218WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 9.722 | 2834 | 2840 | 2841 | rBV3 | 413 | 331 | 0.03% | 0.003% |
| 73 | 9.792 | 2855 | 2862 | 2864 | rBV3 | 1461 | 1533 | 0.13% | 0.014% |
| 74 | 9.918 | 2896 | 2901 | 2904 | rBV3 | 241 | 307 | 0.03% | 0.003% |
| 75 | 9.953 | 2907 | 2912 | 2917 | rVB4 | 1111 | 1181 | 0.10% | 0.011% |
| 76 | 10.056 | 2941 | 2944 | 2947 | rBV2 | 335 | 343 | 0.03% | 0.003% |
| 77 | 10.168 | 2973 | 2979 | 2987 | rVB5 | 883 | 1154 | 0.09% | 0.010% |
| 78 | 10.361 | 3036 | 3039 | 3041 | rBV2 | 626 | 404 | 0.03% | 0.004% |
| 79 | 10.432 | 3048 | 3061 | 3078 | rBV | 386393 | 619946 | 50.94% | 5.565% |
| 80 | 10.612 | 3105 | 3117 | 3133 | rBV2 | 25902 | 49319 | 4.05% | 0.443% |
| 81 | 10.882 | 3193 | 3201 | 3209 | rVV5 | 1390 | 2023 | 0.17% | 0.018% |
| 82 | 10.924 | 3209 | 3214 | 3220 | rVV3 | 398 | 512 | 0.04% | 0.005% |
| 83 | 11.223 | 3303 | 3307 | 3309 | rBV | 354 | 310 | 0.03% | 0.003% |
| 84 | 11.374 | 3349 | 3354 | 3359 | rVB3 | 581 | 549 | 0.05% | 0.005% |
| 85 | 11.416 | 3359 | 3367 | 3376 | rBV4 | 3225 | 4792 | 0.39% | 0.043% |
| 86 | 11.487 | 3376 | 3389 | 3411 | rBV | 578457 | 916476 | 75.30% | 8.227% |
| 87 | 11.641 | 3435 | 3437 | 3439 | rVB2 | 723 | 327 | 0.03% | 0.003% |
| 88 | 11.664 | 3441 | 3444 | 3449 | rBV3 | 574 | 590 | 0.05% | 0.005% |
| 89 | 11.863 | 3492 | 3506 | 3526 | rBV | 602466 | 963887 | 79.20% | 8.652% |
| 90 | 12.101 | 3575 | 3580 | 3581 | rBV2 | 400 | 312 | 0.03% | 0.003% |
| 91 | 12.483 | 3687 | 3699 | 3709 | rVB3 | 7126 | 13141 | 1.08% | 0.118% |
| 92 | 12.561 | 3720 | 3723 | 3725 | rBV | 558 | 366 | 0.03% | 0.003% |
| 93 | 12.628 | 3740 | 3744 | 3747 | rVV3 | 548 | 490 | 0.04% | 0.004% |
| 94 | 12.892 | 3819 | 3826 | 3838 | rVB6 | 3527 | 5546 | 0.46% | 0.050% |
| 95 | 13.512 | 4012 | 4019 | 4025 | rBV5 | 3459 | 5402 | 0.44% | 0.048% |
| 96 | 13.750 | 4086 | 4093 | 4099 | rBV2 | 5190 | 7453 | 0.61% | 0.067% |
| 97 | 13.991 | 4161 | 4168 | 4176 | rBV5 | 3536 | 5514 | 0.45% | 0.049% |
| 98 | 14.278 | 4252 | 4257 | 4268 | rVB2 | 4125 | 6120 | 0.50% | 0.055% |
| 99 | 14.381 | 4286 | 4289 | 4291 | rBV | 520 | 418 | 0.03% | 0.004% |
| 100 | 14.635 | 4366 | 4368 | 4372 | rVB2 | 751 | 446 | 0.04% | 0.004% |

Sum of corrected areas: 11140200

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082418\
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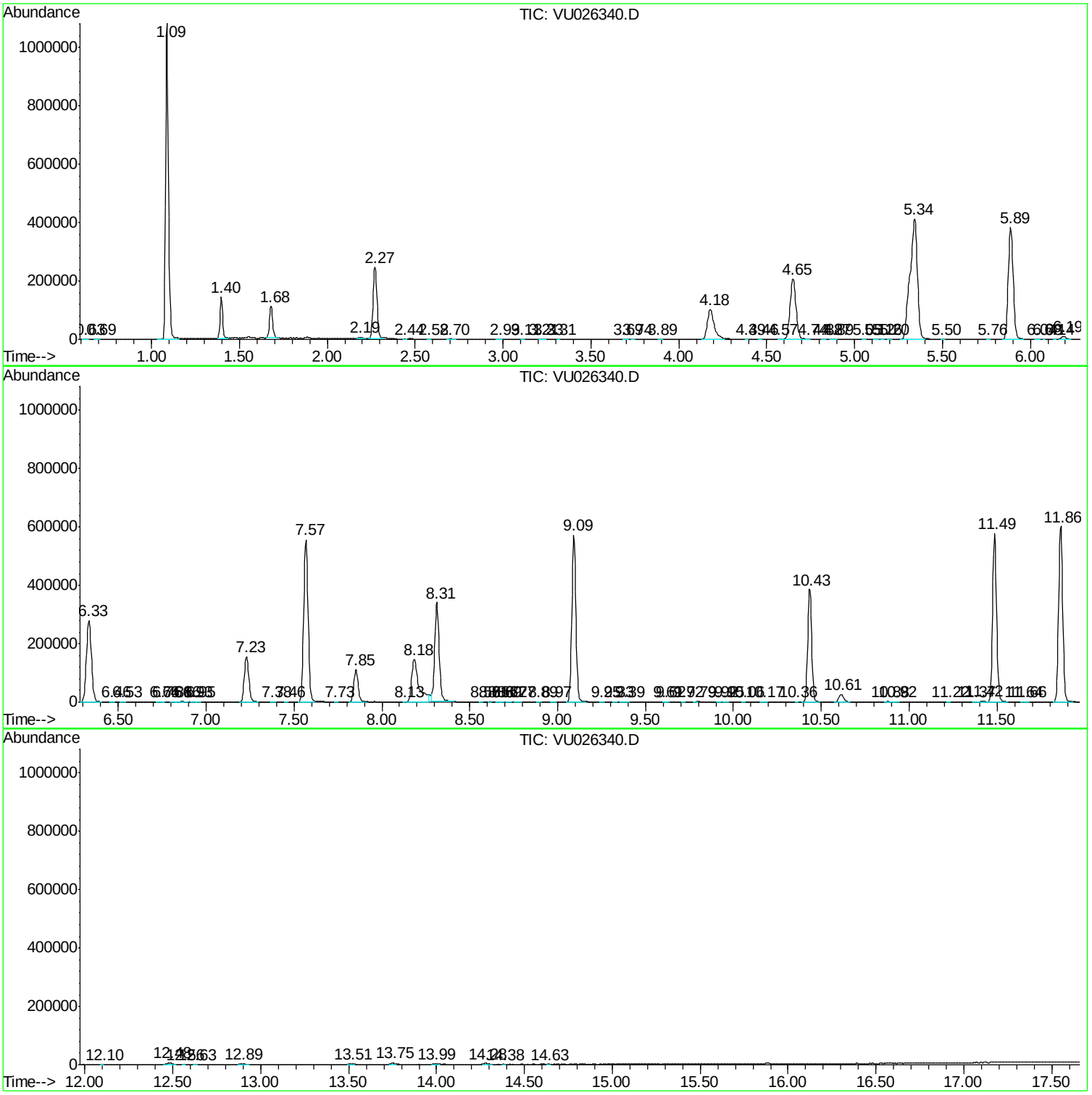
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK48

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.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_U\DATA\VU082418\
Data File : VU026340.D
Acq On : 24 Aug 2018 17:51
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK48

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.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_U\DATA\VU082418\
Data File : VU026340.D
Acq On : 24 Aug 2018 17:51
Operator : MD/SY
Sample : VU0824WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK48

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.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 |