LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
Data File : VU030486.D
Acq On : 27 Mar 2019 16:23
Operator : JC/SP
Sample : VU0327WBL02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK60

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\SOMULM032319WMA.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 | 1.183 | 25 | 29 | 37 | rVB2 | 13448 | 13477 | 0.77% | 0.104% |
| 2 | 1.399 | 89 | 96 | 106 | rBV | 243290 | 248240 | 14.24% | 1.907% |
| 3 | 1.678 | 176 | 183 | 200 | rVB | 200767 | 256934 | 14.74% | 1.974% |
| 4 | 2.270 | 356 | 367 | 380 | rBV | 386681 | 586308 | 33.63% | 4.505% |
| 5 | 2.476 | 426 | 431 | 437 | rVB4 | 2632 | 3257 | 0.19% | 0.025% |
| 6 | 2.559 | 453 | 457 | 460 | rBV3 | 1186 | 1064 | 0.06% | 0.008% |
| 7 | 2.627 | 474 | 478 | 479 | rBV | 840 | 605 | 0.03% | 0.005% |
| 8 | 2.672 | 489 | 492 | 495 | rBV2 | 1048 | 901 | 0.05% | 0.007% |
| 9 | 2.691 | 495 | 498 | 499 | rBV | 918 | 603 | 0.03% | 0.005% |
| 10 | 2.817 | 534 | 537 | 541 | rVB | 1070 | 645 | 0.04% | 0.005% |
| 11 | 2.842 | 541 | 545 | 548 | rVB | 1603 | 1153 | 0.07% | 0.009% |
| 12 | 2.862 | 548 | 551 | 558 | rVB | 970 | 949 | 0.05% | 0.007% |
| 13 | 2.900 | 558 | 563 | 568 | rVB2 | 1941 | 2402 | 0.14% | 0.018% |
| 14 | 2.926 | 568 | 571 | 574 | rBV | 946 | 702 | 0.04% | 0.005% |
| 15 | 2.958 | 578 | 581 | 584 | rBV | 1635 | 1191 | 0.07% | 0.009% |
| 16 | 2.981 | 584 | 588 | 592 | rVV3 | 1270 | 1315 | 0.08% | 0.010% |
| 17 | 3.003 | 593 | 595 | 601 | rVB | 1678 | 1222 | 0.07% | 0.009% |
| 18 | 3.035 | 602 | 605 | 607 | rVB | 981 | 570 | 0.03% | 0.004% |
| 19 | 3.074 | 613 | 617 | 619 | rBV | 1075 | 770 | 0.04% | 0.006% |
| 20 | 3.248 | 666 | 671 | 674 | rBV2 | 910 | 870 | 0.05% | 0.007% |
| 21 | 3.276 | 677 | 680 | 685 | rVB | 660 | 615 | 0.04% | 0.005% |
| 22 | 3.302 | 685 | 688 | 691 | rBV | 821 | 600 | 0.03% | 0.005% |
| 23 | 3.379 | 707 | 712 | 718 | rBV3 | 1068 | 1134 | 0.07% | 0.009% |
| 24 | 3.457 | 734 | 736 | 741 | rBV2 | 757 | 589 | 0.03% | 0.005% |
| 25 | 3.563 | 766 | 769 | 774 | rBV | 1330 | 1023 | 0.06% | 0.008% |
| 26 | 3.588 | 774 | 777 | 780 | rBV2 | 833 | 578 | 0.03% | 0.004% |
| 27 | 3.691 | 805 | 809 | 811 | rBV2 | 994 | 714 | 0.04% | 0.005% |
| 28 | 3.746 | 824 | 826 | 829 | rVB | 1329 | 664 | 0.04% | 0.005% |
| 29 | 3.775 | 829 | 835 | 841 | rBV2 | 2071 | 2948 | 0.17% | 0.023% |
| 30 | 3.842 | 853 | 856 | 859 | rBV | 813 | 600 | 0.03% | 0.005% |
| 31 | 3.891 | 867 | 871 | 874 | rBV2 | 1323 | 1165 | 0.07% | 0.009% |
| 32 | 3.968 | 890 | 895 | 899 | rBV2 | 1286 | 1268 | 0.07% | 0.010% |
| 33 | 4.019 | 905 | 911 | 915 | rBV | 1348 | 2091 | 0.12% | 0.016% |
| 34 | 4.174 | 946 | 959 | 985 | rBV | 185249 | 491409 | 28.19% | 3.776% |

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Sample : VU0327WBL02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK60

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\SOMULM032319WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 4.466 | 1046 | 1050 | 1052 | rBV | 1433 | 1160 | 0.07% | 0.009% |
| 36 | 4.479 | 1052 | 1054 | 1059 | rVB2 | 1288 | 1032 | 0.06% | 0.008% |
| 37 | 4.534 | 1069 | 1071 | 1074 | rVB | 1411 | 780 | 0.04% | 0.006% |
| 38 | 4.563 | 1075 | 1080 | 1083 | rBV | 1268 | 1270 | 0.07% | 0.010% |
| 39 | 4.643 | 1089 | 1105 | 1128 | rBV | 275682 | 658556 | 37.78% | 5.060% |
| 40 | 4.846 | 1164 | 1168 | 1169 | rBV2 | 1134 | 769 | 0.04% | 0.006% |
| 41 | 4.897 | 1179 | 1184 | 1189 | rBV2 | 1296 | 1481 | 0.08% | 0.011% |
| 42 | 4.977 | 1206 | 1209 | 1212 | rVB2 | 1131 | 692 | 0.04% | 0.005% |
| 43 | 5.000 | 1212 | 1216 | 1219 | rBV | 1266 | 1134 | 0.07% | 0.009% |
| 44 | 5.051 | 1229 | 1232 | 1239 | rVB3 | 1083 | 1259 | 0.07% | 0.010% |
| 45 | 5.083 | 1239 | 1242 | 1249 | rVB | 1801 | 1778 | 0.10% | 0.014% |
| 46 | 5.116 | 1249 | 1252 | 1255 | rBV | 1727 | 1171 | 0.07% | 0.009% |
| 47 | 5.183 | 1270 | 1273 | 1275 | rBV | 1048 | 748 | 0.04% | 0.006% |
| 48 | 5.219 | 1281 | 1284 | 1291 | rVB2 | 1603 | 1575 | 0.09% | 0.012% |
| 49 | 5.334 | 1291 | 1320 | 1354 | rBV2 | 575967 | 1743177 | 100.00% | 13.393% |
| 50 | 5.624 | 1406 | 1410 | 1412 | rBV | 1652 | 1296 | 0.07% | 0.010% |
| 51 | 5.772 | 1449 | 1456 | 1459 | rBV2 | 1507 | 1947 | 0.11% | 0.015% |
| 52 | 5.881 | 1477 | 1490 | 1514 | rBV | 478109 | 963328 | 55.26% | 7.401% |
| 53 | 6.177 | 1577 | 1582 | 1595 | rVB6 | 3016 | 5948 | 0.34% | 0.046% |
| 54 | 6.231 | 1595 | 1599 | 1602 | rBV | 1756 | 1469 | 0.08% | 0.011% |
| 55 | 6.328 | 1613 | 1629 | 1650 | rBV | 391106 | 803923 | 46.12% | 6.177% |
| 56 | 6.614 | 1715 | 1718 | 1720 | rBV2 | 798 | 580 | 0.03% | 0.004% |
| 57 | 6.630 | 1721 | 1723 | 1729 | rVB | 1701 | 1281 | 0.07% | 0.010% |
| 58 | 6.659 | 1729 | 1732 | 1739 | rVB | 1296 | 1041 | 0.06% | 0.008% |
| 59 | 6.723 | 1750 | 1752 | 1757 | rVB | 1381 | 982 | 0.06% | 0.008% |
| 60 | 6.749 | 1757 | 1760 | 1763 | rBV | 1555 | 1305 | 0.07% | 0.010% |
| 61 | 6.833 | 1781 | 1786 | 1788 | rBV | 1569 | 1588 | 0.09% | 0.012% |
| 62 | 6.887 | 1797 | 1803 | 1807 | rBV3 | 1399 | 1805 | 0.10% | 0.014% |
| 63 | 6.919 | 1807 | 1813 | 1817 | rVB | 2034 | 2274 | 0.13% | 0.017% |
| 64 | 7.103 | 1868 | 1870 | 1877 | rVB2 | 1049 | 817 | 0.05% | 0.006% |
| 65 | 7.225 | 1896 | 1908 | 1929 | rBV | 207453 | 393160 | 22.55% | 3.021% |
| 66 | 7.405 | 1961 | 1964 | 1969 | rBV3 | 1428 | 1401 | 0.08% | 0.011% |
| 67 | 7.460 | 1976 | 1981 | 1982 | rBV3 | 2883 | 2335 | 0.13% | 0.018% |
| 68 | 7.562 | 1999 | 2013 | 2034 | rBV | 707304 | 1264625 | 72.55% | 9.716% |
| 69 | 7.845 | 2091 | 2101 | 2125 | rBV | 143952 | 261410 | 15.00% | 2.008% |
| 70 | 8.161 | 2196 | 2199 | 2201 | rBV | 1081 | 688 | 0.04% | 0.005% |
| 71 | 8.263 | 2227 | 2231 | 2234 | rBV | 1297 | 1062 | 0.06% | 0.008% |

LSC Area Percent Report

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Sample : VU0327WBL02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK60

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\SOMULM032319WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 8.308 | 2234 | 2245 | 2279 | rBV | 575961 | 1108420 | 63.59% | 8.516% |
| 73 | 8.807 | 2398 | 2400 | 2404 | rBV3 | 978 | 616 | 0.04% | 0.005% |
| 74 | 8.929 | 2436 | 2438 | 2446 | rVB | 1543 | 1123 | 0.06% | 0.009% |
| 75 | 8.971 | 2448 | 2451 | 2453 | rBV | 1458 | 1023 | 0.06% | 0.008% |
| 76 | 9.016 | 2462 | 2465 | 2468 | rVB | 1151 | 722 | 0.04% | 0.006% |
| 77 | 9.087 | 2474 | 2487 | 2514 | rBV | 680479 | 1184934 | 67.98% | 9.104% |
| 78 | 9.318 | 2557 | 2559 | 2564 | rVB | 1202 | 1014 | 0.06% | 0.008% |
| 79 | 9.450 | 2597 | 2600 | 2603 | rBV | 1359 | 960 | 0.06% | 0.007% |
| 80 | 9.566 | 2632 | 2636 | 2640 | rBV | 1882 | 1765 | 0.10% | 0.014% |
| 81 | 9.611 | 2645 | 2650 | 2655 | rVB2 | 1551 | 1655 | 0.09% | 0.013% |
| 82 | 9.852 | 2722 | 2725 | 2728 | rBV | 1482 | 939 | 0.05% | 0.007% |
| 83 | 9.980 | 2763 | 2765 | 2769 | rBV | 955 | 728 | 0.04% | 0.006% |
| 84 | 10.048 | 2783 | 2786 | 2789 | rBV | 884 | 724 | 0.04% | 0.006% |
| 85 | 10.315 | 2867 | 2869 | 2873 | rVB | 2068 | 1312 | 0.08% | 0.010% |
| 86 | 10.357 | 2879 | 2882 | 2885 | rBV | 1561 | 1121 | 0.06% | 0.009% |
| 87 | 10.427 | 2892 | 2904 | 2933 | rVB | 519910 | 853895 | 48.98% | 6.561% |
| 88 | 10.569 | 2945 | 2948 | 2950 | rBV | 1398 | 938 | 0.05% | 0.007% |
| 89 | 10.958 | 3066 | 3069 | 3072 | rBV | 1223 | 803 | 0.05% | 0.006% |
| 90 | 11.077 | 3102 | 3106 | 3109 | rBV | 1774 | 1689 | 0.10% | 0.013% |
| 91 | 11.418 | 3208 | 3212 | 3220 | rBV4 | 3640 | 4554 | 0.26% | 0.035% |
| 92 | 11.482 | 3220 | 3232 | 3258 | rVV | 598696 | 980916 | 56.27% | 7.536% |
| 93 | 11.858 | 3337 | 3349 | 3376 | rBV | 614155 | 1044683 | 59.93% | 8.026% |
| 94 | 12.385 | 3510 | 3513 | 3515 | rBV2 | 1270 | 824 | 0.05% | 0.006% |
| 95 | 12.562 | 3566 | 3568 | 3570 | rBV2 | 1329 | 732 | 0.04% | 0.006% |
| 96 | 12.768 | 3628 | 3632 | 3636 | rBV | 2155 | 1980 | 0.11% | 0.015% |
| 97 | 13.318 | 3800 | 3803 | 3806 | rBV2 | 2073 | 1553 | 0.09% | 0.012% |
| 98 | 13.511 | 3857 | 3863 | 3875 | rVB4 | 8842 | 13209 | 0.76% | 0.101% |
| 99 | 13.755 | 3931 | 3939 | 3953 | rBV2 | 10815 | 27661 | 1.59% | 0.213% |
| 100 | 13.990 | 4006 | 4012 | 4020 | rBV7 | 8007 | 15657 | 0.90% | 0.120% |

Sum of corrected areas: 13015573

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
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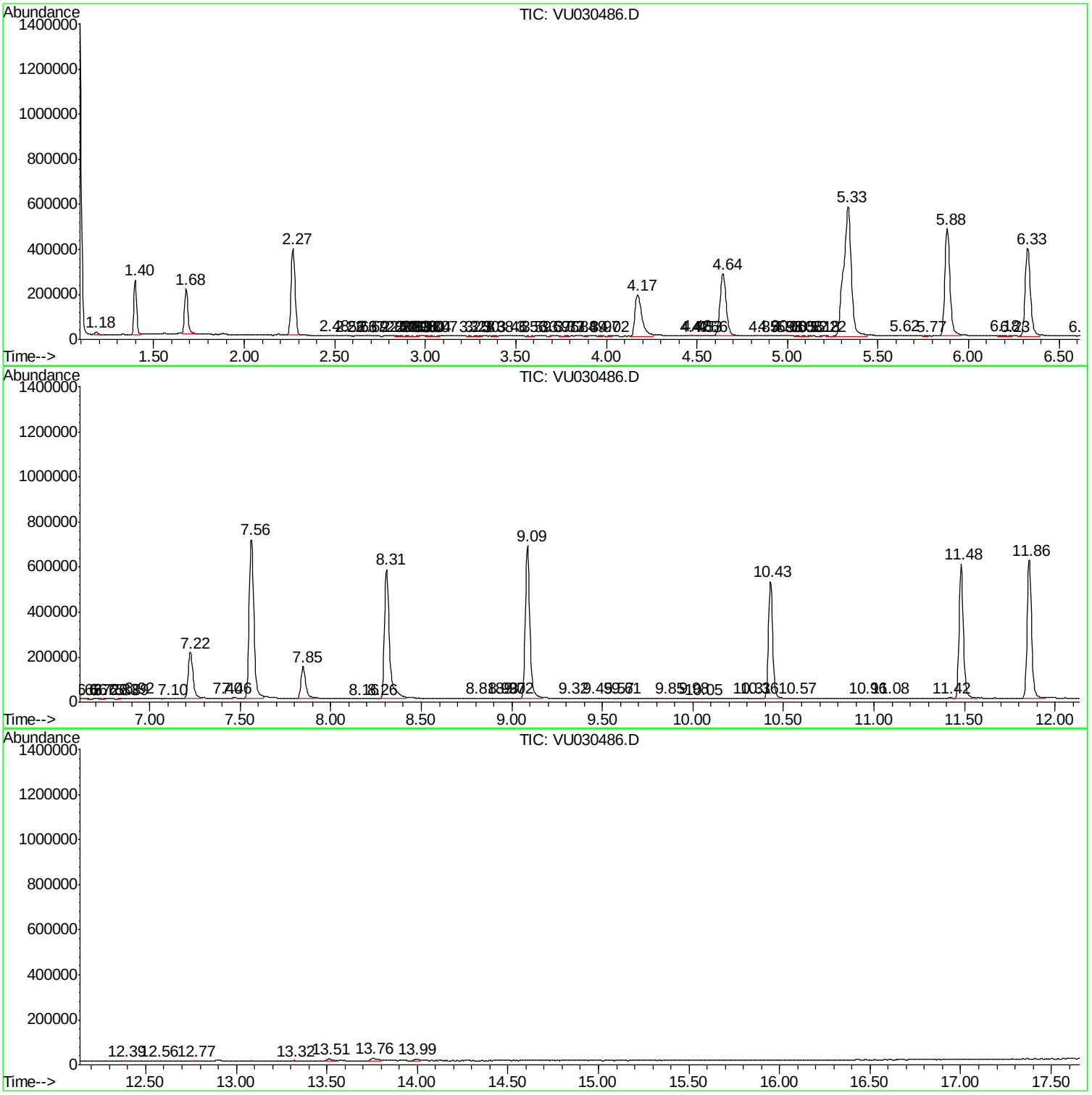
Operator : JC/SP
Sample : VU0327WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK60

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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\VU032719\
Data File : VU030486.D
Acq On : 27 Mar 2019 16:23
Operator : JC/SP
Sample : VU0327WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK60

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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\VU032719\
Data File : VU030486.D
Acq On : 27 Mar 2019 16:23
Operator : JC/SP
Sample : VU0327WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK60

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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 |