LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N061318W.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.658 | 3 | 21 | 44 | rBV | 2739072 | 4020525 | 81.90% | 7.078% |
| 2 | 1.995 | 116 | 126 | 141 | rBV2 | 47015 | 88361 | 1.80% | 0.156% |
| 3 | 3.796 | 663 | 686 | 710 | rBV3 | 129858 | 420409 | 8.56% | 0.740% |
| 4 | 4.529 | 887 | 914 | 939 | rBV2 | 302470 | 1081292 | 22.03% | 1.904% |
| 5 | 5.050 | 1054 | 1076 | 1101 | rBV5 | 76455 | 279515 | 5.69% | 0.492% |
| 6 | 5.847 | 1308 | 1324 | 1341 | rBV2 | 17121 | 54032 | 1.10% | 0.095% |
| 7 | 6.358 | 1460 | 1483 | 1498 | rBV5 | 26647 | 92243 | 1.88% | 0.162% |
| 8 | 6.522 | 1518 | 1534 | 1554 | rVB4 | 59737 | 185768 | 3.78% | 0.327% |
| 9 | 6.828 | 1611 | 1629 | 1648 | rVB6 | 27507 | 98601 | 2.01% | 0.174% |
| 10 | 7.387 | 1791 | 1803 | 1826 | rVB3 | 81575 | 254509 | 5.18% | 0.448% |
| 11 | 7.593 | 1846 | 1867 | 1878 | rBV2 | 523865 | 1343860 | 27.37% | 2.366% |
| 12 | 7.667 | 1878 | 1890 | 1902 | rVV | 773469 | 1862521 | 37.94% | 3.279% |
| 13 | 7.744 | 1902 | 1914 | 1945 | rVB | 612361 | 1631748 | 33.24% | 2.873% |
| 14 | 7.934 | 1959 | 1973 | 1987 | rVB2 | 92961 | 226558 | 4.62% | 0.399% |
| 15 | 8.030 | 1987 | 2003 | 2026 | rBV | 546339 | 1314083 | 26.77% | 2.314% |
| 16 | 8.156 | 2026 | 2042 | 2051 | rBV3 | 274252 | 704952 | 14.36% | 1.241% |
| 17 | 8.587 | 2159 | 2176 | 2197 | rBV | 1384078 | 3028448 | 61.69% | 5.332% |
| 18 | 8.825 | 2236 | 2250 | 2268 | rBV6 | 92304 | 227564 | 4.64% | 0.401% |
| 19 | 9.050 | 2301 | 2320 | 2342 | rBV2 | 450700 | 1048074 | 21.35% | 1.845% |
| 20 | 9.159 | 2343 | 2354 | 2365 | rVB7 | 39935 | 87428 | 1.78% | 0.154% |
| 21 | 9.227 | 2365 | 2375 | 2385 | rBV5 | 32528 | 73462 | 1.50% | 0.129% |
| 22 | 9.365 | 2400 | 2418 | 2434 | rBV | 490969 | 1067937 | 21.75% | 1.880% |
| 23 | 9.516 | 2453 | 2465 | 2485 | rVB5 | 159967 | 333720 | 6.80% | 0.588% |
| 24 | 9.654 | 2488 | 2508 | 2518 | rBV5 | 143841 | 399722 | 8.14% | 0.704% |
| 25 | 9.706 | 2520 | 2524 | 2535 | rVV4 | 53538 | 85278 | 1.74% | 0.150% |
| 26 | 9.767 | 2536 | 2543 | 2554 | rVB8 | 28369 | 61575 | 1.25% | 0.108% |
| 27 | 9.844 | 2554 | 2567 | 2581 | rBV2 | 440928 | 908418 | 18.50% | 1.599% |
| 28 | 9.918 | 2582 | 2590 | 2599 | rBV5 | 27312 | 53593 | 1.09% | 0.094% |
| 29 | 10.008 | 2610 | 2618 | 2630 | rVB4 | 113696 | 234292 | 4.77% | 0.412% |
| 30 | 10.091 | 2630 | 2644 | 2677 | rBV | 2438744 | 4909138 | 100.00% | 8.643% |
| 31 | 10.259 | 2682 | 2696 | 2719 | rBV2 | 703247 | 1805713 | 36.78% | 3.179% |
| 32 | 10.365 | 2719 | 2729 | 2739 | rBV3 | 82012 | 190758 | 3.89% | 0.336% |
| 33 | 10.435 | 2739 | 2751 | 2763 | rVV | 1416909 | 2568603 | 52.32% | 4.522% |
| 34 | 10.522 | 2764 | 2778 | 2793 | rVV5 | 1140022 | 2471568 | 50.35% | 4.351% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N061318W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.593 | 2794 | 2800 | 2819 | rVB7 | 114167 | 315950 | 6.44% | 0.556% |
| 36 | 10.680 | 2819 | 2827 | 2835 | rBV8 | 29307 | 59529 | 1.21% | 0.105% |
| 37 | 10.738 | 2836 | 2845 | 2851 | rBV6 | 45245 | 80878 | 1.65% | 0.142% |
| 38 | 10.792 | 2854 | 2862 | 2869 | rBV2 | 153435 | 245564 | 5.00% | 0.432% |
| 39 | 10.837 | 2869 | 2876 | 2884 | rVB2 | 116807 | 175998 | 3.59% | 0.310% |
| 40 | 10.918 | 2893 | 2901 | 2912 | rVB2 | 460557 | 791257 | 16.12% | 1.393% |
| 41 | 11.005 | 2912 | 2928 | 2938 | rVV6 | 143148 | 417749 | 8.51% | 0.735% |
| 42 | 11.066 | 2938 | 2947 | 2955 | rVV5 | 160763 | 304046 | 6.19% | 0.535% |
| 43 | 11.114 | 2956 | 2962 | 2974 | rVB7 | 124649 | 214331 | 4.37% | 0.377% |
| 44 | 11.217 | 2979 | 2994 | 3000 | rBV5 | 181688 | 382661 | 7.79% | 0.674% |
| 45 | 11.323 | 3015 | 3027 | 3038 | rBV3 | 236190 | 468940 | 9.55% | 0.826% |
| 46 | 11.410 | 3042 | 3054 | 3070 | rVV | 2212611 | 4026742 | 82.03% | 7.089% |
| 47 | 11.497 | 3072 | 3081 | 3092 | rVV | 496471 | 865977 | 17.64% | 1.525% |
| 48 | 11.593 | 3105 | 3111 | 3118 | rBV10 | 53740 | 77340 | 1.58% | 0.136% |
| 49 | 11.654 | 3119 | 3130 | 3152 | rVB7 | 293926 | 848880 | 17.29% | 1.494% |
| 50 | 11.751 | 3153 | 3160 | 3168 | rBV4 | 54213 | 86228 | 1.76% | 0.152% |
| 51 | 11.815 | 3169 | 3180 | 3189 | rBV | 331814 | 546209 | 11.13% | 0.962% |
| 52 | 11.870 | 3190 | 3197 | 3204 | rBV3 | 58351 | 96215 | 1.96% | 0.169% |
| 53 | 11.921 | 3204 | 3213 | 3221 | rVV3 | 160839 | 298791 | 6.09% | 0.526% |
| 54 | 11.972 | 3222 | 3229 | 3254 | rVB6 | 208181 | 602352 | 12.27% | 1.060% |
| 55 | 12.120 | 3254 | 3275 | 3291 | rBV2 | 500243 | 1161062 | 23.65% | 2.044% |
| 56 | 12.201 | 3293 | 3300 | 3312 | rVB7 | 107816 | 202716 | 4.13% | 0.357% |
| 57 | 12.262 | 3313 | 3319 | 3322 | rBV3 | 46486 | 58254 | 1.19% | 0.103% |
| 58 | 12.310 | 3325 | 3334 | 3351 | rVV10 | 150148 | 439505 | 8.95% | 0.774% |
| 59 | 12.403 | 3352 | 3363 | 3379 | rVV | 1712011 | 3240778 | 66.02% | 5.706% |
| 60 | 12.474 | 3379 | 3385 | 3398 | rVB3 | 205559 | 369173 | 7.52% | 0.650% |
| 61 | 12.567 | 3408 | 3414 | 3436 | rVB7 | 117166 | 229025 | 4.67% | 0.403% |
| 62 | 12.863 | 3498 | 3506 | 3517 | rVB3 | 93582 | 158192 | 3.22% | 0.279% |
| 63 | 12.966 | 3529 | 3538 | 3554 | rVB5 | 123769 | 292795 | 5.96% | 0.515% |
| 64 | 13.098 | 3571 | 3579 | 3589 | rVB4 | 118093 | 202357 | 4.12% | 0.356% |
| 65 | 13.175 | 3589 | 3603 | 3612 | rBV3 | 301310 | 607953 | 12.38% | 1.070% |
| 66 | 13.349 | 3646 | 3657 | 3666 | rBV | 1606753 | 2753871 | 56.10% | 4.848% |
| 67 | 13.596 | 3724 | 3734 | 3746 | rBV2 | 86072 | 158361 | 3.23% | 0.279% |
| 68 | 13.670 | 3748 | 3757 | 3767 | rVB6 | 64634 | 126003 | 2.57% | 0.222% |
| 69 | 13.815 | 3795 | 3802 | 3809 | rBV2 | 46707 | 78668 | 1.60% | 0.138% |
| 70 | 13.927 | 3832 | 3837 | 3848 | rVB | 45810 | 71797 | 1.46% | 0.126% |
| 71 | 14.001 | 3850 | 3860 | 3865 | rBV5 | 53323 | 94424 | 1.92% | 0.166% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N061318W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.043 | 3867 | 3873 | 3876 | rBV3 | 54911 | 67261 | 1.37% | 0.118% |
| 73 | 14.136 | 3892 | 3902 | 3909 | rBV | 148729 | 227236 | 4.63% | 0.400% |
| 74 | 14.185 | 3910 | 3917 | 3925 | rVV5 | 50621 | 115562 | 2.35% | 0.203% |
| 75 | 14.230 | 3927 | 3931 | 3944 | rVB3 | 59343 | 90734 | 1.85% | 0.160% |
| 76 | 14.329 | 3948 | 3962 | 3973 | rVB | 286814 | 473215 | 9.64% | 0.833% |
| 77 | 14.435 | 3985 | 3995 | 4003 | rBV | 185749 | 284789 | 5.80% | 0.501% |
| 78 | 14.493 | 4003 | 4013 | 4022 | rVV2 | 278039 | 438114 | 8.92% | 0.771% |
| 79 | 14.667 | 4058 | 4067 | 4078 | rVB2 | 83033 | 133340 | 2.72% | 0.235% |
| 80 | 14.947 | 4133 | 4154 | 4168 | rVB3 | 226266 | 486302 | 9.91% | 0.856% |
| 81 | 15.268 | 4241 | 4254 | 4274 | rVB9 | 34556 | 118897 | 2.42% | 0.209% |

Sum of corrected areas: 56800289

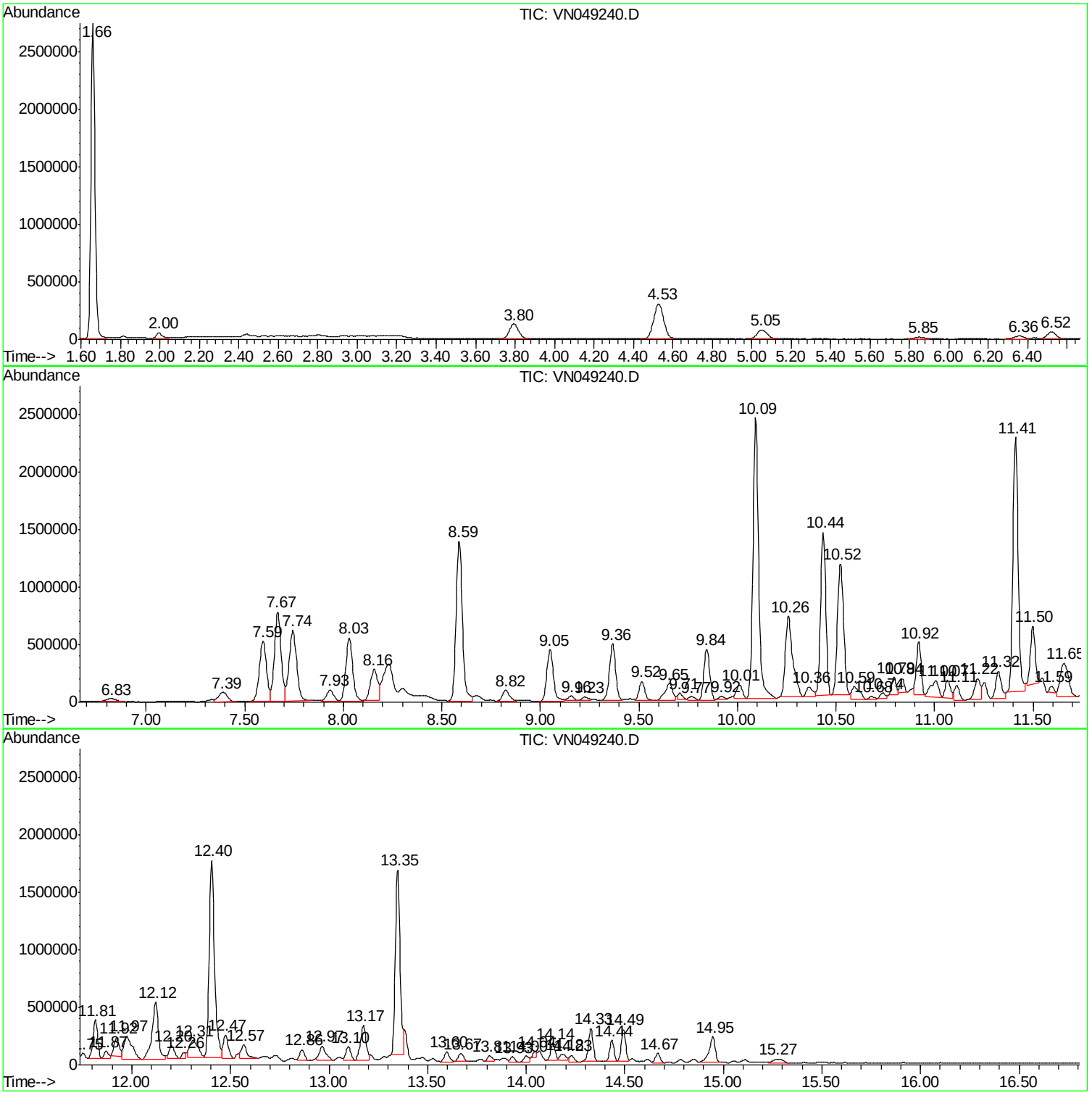
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

**********

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.53 | 29.03 ug/l | 1081290 | Pentafluorobenzene | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 86 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 38 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 28 |
| 4 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 17 |
| 5 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 9 |

**********

Peak Number 2 Pentane, 2,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.74 | 43.80 ug/l | 1631750 | Pentafluorobenzene | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 94 |
| 2 | 1-Pentene, 2,4-dimethyl- | 98 | C7H14 | 002213-32-3 | 59 |
| 3 | Aziridine, 2-methyl- | 57 | C3H7N | 000075-55-8 | 47 |
| 4 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 42 |
| 5 | Propane, 1-isocyanato- | 85 | C4H7NO | 000110-78-1 | 40 |

**********

Peak Number 3 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.05 | 17.30 ug/l | 1048070 | 1,4-Difluorobenzene | 8.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 86 |
| 2 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 64 |
| 3 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 58 |
| 4 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 43 |
| 5 | 1-Hexene, 3,4-dimethyl- | 112 | C8H16 | 016745-94-1 | 35 |

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Peak Number 4 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.36 | 17.63 ug/l | 1067940 | 1,4-Difluorobenzene | 8.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 90 |
| 2 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 87 |
| 3 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 86 |
| 4 | Heptane, 3-methylene- | 112 | C8H16 | 001632-16-2 | 72 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 72 |

**********

Peak Number 5 Cyclopentane, 1,1,2-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.84 | 15.00 ug/l | 908418 | 1,4-Difluorobenzene | 8.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1,2-trimethyl- | 112 | C8H16 | 004259-00-1 | 91 |
| 2 | 1-Heptene, 6-methyl- | 112 | C8H16 | 005026-76-6 | 72 |
| 3 | 2-Chloro-2-methylnonane | 176 | C10H21Cl | 004325-50-2 | 59 |
| 4 | 3-Heptene, 4-methyl- | 112 | C8H16 | 004485-16-9 | 49 |
| 5 | Cyclopropane, 1-ethyl-1-methyl- | 84 | C6H12 | 053778-43-1 | 46 |

**********

Peak Number 6 Cyclohexane, 1,1-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 22.42 ug/l | 1805710 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 94 |
| 2 | 1H-Pyrazole, 4,5-dihydro-3,5,5-t... | 112 | C6H12N2 | 003975-85-7 | 80 |
| 3 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 53 |
| 4 | Sulfurous acid, cyclohexylmethyl... | 304 | C16H32O3S | 1000309-21-8 | 50 |
| 5 | Cyclohexane, 1-ethyl-1-methyl- | 126 | C9H18 | 004926-90-3 | 50 |

**********

Peak Number 7 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.44 | 31.89 ug/l | 2568600 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

| | | | | |
|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 96 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 94 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 90 |
| 4 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 87 |
| 5 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 87 |

**********

Peak Number 8 1,3-Dimethyl-1-cyclohexene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.52 | 30.69 ug/l | 2471570 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 64 |
| 2 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 64 |
| 3 | Bicyclo[3.1.0]hexane, 1,5-dimethyl- | 110 | C8H14 | 1000142-17-5 | 58 |
| 4 | Cyclohexene, 3,5-dimethyl- | 110 | C8H14 | 000823-17-6 | 53 |
| 5 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 53 |

**********

Peak Number 9 Bicyclo[3.3.1]nonane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.12 | 14.42 ug/l | 1161060 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.3.1]nonane | 124 | C9H16 | 000280-65-9 | 68 |
| 2 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 52 |
| 3 | Cyclohexene,3-propyl- | 124 | C9H16 | 003983-06-0 | 49 |
| 4 | Cyclohexane, 1-propenyl- | 124 | C9H16 | 005364-83-0 | 49 |
| 5 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 46 |

Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061418\
Data File : VN049240.D
Acq On : 14 Jun 2018 20:34
Operator : MD\SY
Sample : J3447-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2,3-dimet... | 4.53 | 29.0 | ug/l | 1081290 | 1 | 7.67 | 1862520 | 50.0 |
| Pentane, 2,3-dime... | 7.74 | 43.8 | ug/l | 1631750 | 1 | 7.67 | 1862520 | 50.0 |
| Cyclopentane, 1,1... | 9.05 | 17.3 | ug/l | 1048070 | 2 | 8.59 | 3028450 | 50.0 |
| Cyclopentane, 1,2... | 9.36 | 17.6 | ug/l | 1067940 | 2 | 8.59 | 3028450 | 50.0 |
| Cyclopentane, 1,1... | 9.84 | 15.0 | ug/l | 908418 | 2 | 8.59 | 3028450 | 50.0 |
| Cyclohexane, 1,1-... | 10.26 | 22.4 | ug/l | 1805710 | 3 | 11.41 | 4026740 | 50.0 |
| Cyclohexane, 1,2-... | 10.44 | 31.9 | ug/l | 2568600 | 3 | 11.41 | 4026740 | 50.0 |
| 1,3-Dimethyl-1-cy... | 10.52 | 30.7 | ug/l | 2471570 | 3 | 11.41 | 4026740 | 50.0 |
| Bicyclo[3.3.1]nonane | 12.12 | 14.4 | ug/l | 1161060 | 3 | 11.41 | 4026740 | 50.0 |