

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051322\  
 Data File : VL039060.D  
 Acq On : 14 May 2022 6:35  
 Operator : SY/AP  
 Sample : N2828-04DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV3DL

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 14 07:21:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LThu May 6

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) | 05/16/2022                   |
|-------------------------------|--------|-------|----------|----------|--------|----------|------------------------------|
| Internal Standards            |        |       |          |          |        |          | Supervised By :Mahesh Dadoda |
| 1) Bromochloromethane         | 5.655  | 49    | 951570   | 10.000   | ppbv   | 0.00     |                              |
| 33) 1,4-Difluorobenzene       | 7.163  | 114   | 2641775  | 10.000   | ppbv   | 0.00     |                              |
| 55) Chlorobenzene-d5          | 12.063 | 117   | 2233480  | 10.000   | ppbv   | -0.01    | 05/17/2022                   |
| System Monitoring Compounds   |        |       |          |          |        |          | 22                           |
| 68) 1-Bromo-4-Fluorobenzene   | 14.391 | 95    | 1657039  | 9.368    | ppbv   | -0.01    |                              |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 93.700%  |                              |
| Target Compounds              |        |       |          |          |        |          | Qvalue                       |
| 2) Dichlorodifluoromethane    | 3.073  | 85    | 762      | 0.005    | ppbv   | 99       |                              |
| 4) Chloromethane              | 3.134  | 50    | 1091     | 0.018    | ppbv # | 80       |                              |
| 5) Vinyl Chloride             | 3.118  | 62    | 159      | 0.003    | ppbv # | 1        |                              |
| 6) Bromomethane               | 3.382  | 94    | 67       | 0.003    | ppbv # | 1        |                              |
| 7) Chloroethane               | 3.562  | 64    | 70       | 0.004    | ppbv # | 45       |                              |
| 8) Dichlorotetrafluoroethane  | 3.185  | 85    | 185      | 0.001    | ppbv # | 16       |                              |
| 9) Propene                    | 3.015  | 41    | 27671    | 0.537    | ppbv   | 84       |                              |
| 10) Heptane                   | 8.102  | 43    | 3046     | 0.024    | ppbv # | 27       |                              |
| 11) Trichlorofluoromethane    | 3.947  | 101   | 3144     | 0.025    | ppbv # | 73       |                              |
| 12) 1,1,2-Trichlorotrifluo... | 4.475  | 101   | 204      | 0.002    | ppbv # | 1        |                              |
| 13) Ethanol                   | 3.600  | 45    | 70522m   | 19.326   | ppbv   |          |                              |
| 14) Bromoethene               | 3.873  | 108   | 33       | 0.001    | ppbv # | 1        |                              |
| 15) Acetone                   | 3.848  | 43    | 319613   | 3.561    | ppbv   | 94       |                              |
| 16) 1,3-Butadiene             | 3.324  | 39    | 1440     | 0.028    | ppbv # | 9        |                              |
| 17) tert-Butyl alcohol        | 4.279  | 59    | 270      | 0.004    | ppbv # | 70       |                              |
| 18) 1,1-Dichloroethene        | 4.240  | 96    | 73       | 0.002    | ppbv # | 1        |                              |
| 19) Isopropyl Alcohol         | 3.967  | 45    | 27869    | 0.653    | ppbv # | 74       |                              |
| 20) Methylene Chloride        | 4.336  | 84    | 12082m   | 0.357    | ppbv   |          |                              |
| 21) Allyl Chloride            | 4.401  | 41    | 145      | 0.002    | ppbv # | 19       |                              |
| 22) trans-1,2-Dichloroethene  | 4.844  | 96    | 76       | 0.002    | ppbv # | 1        |                              |
| 23) Vinyl Acetate             | 5.063  | 43    | 288049   | 4.056    | ppbv # | 96       |                              |
| 24) 1,1-Dichloroethane        | 4.999  | 63    | 1734     | 0.021    | ppbv # | 89       |                              |
| 26) Hexane                    | 5.677  | 57    | 113600   | 1.190    | ppbv # | 20       |                              |
| 28) Methyl tert-Butyl Ether   | 5.018  | 73    | 86       | 0.001    | ppbv # | 52       |                              |
| 29) Chloroform                | 5.732  | 83    | 3659     | 0.024    | ppbv   | 94       |                              |
| 30) Cyclohexane               | 7.114  | 84    | 199      | 0.002    | ppbv # | 1        |                              |
| 31) cis-1,2-Dichloroethene    | 5.542  | 61    | 159      | 0.002    | ppbv # | 27       |                              |
| 32) 1,1,1-Trichloroethane     | 6.494  | 97    | 7436m    | 0.048    | ppbv   |          |                              |
| 34) 2-Butanone                | 5.243  | 43    | 85672    | 0.636    | ppbv # | 91       |                              |
| 35) Carbon Tetrachloride      | 7.005  | 117   | 42       | 0.000    | ppbv # | 13       |                              |
| 36) Benzene                   | 6.880  | 78    | 4242     | 0.019    | ppbv # | 57       |                              |
| 37) 1,2-Dichloroethane        | 6.375  | 62    | 88       | 0.001    | ppbv # | 83       |                              |
| 38) Trichloroethene           | 7.822  | 130   | 3457m    | 0.034    | ppbv   |          |                              |
| 40) 1,4-Dioxane               | 7.812  | 88    | 93       | 0.003    | ppbv # | 1        |                              |
| 41) Tetrahydrofuran           | 6.098  | 42    | 631      | 0.007    | ppbv # | 1        |                              |
| 42) Bromodichloromethane      | 7.777  | 83    | 220      | 0.001    | ppbv # | 24       |                              |
| 43) Methyl Methacrylate       | 7.999  | 69    | 251      | 0.003    | ppbv # | 1        |                              |
| 44) 2,2,4-Trimethylpentane    | 7.851  | 57    | 1095     | 0.003    | ppbv # | 43       |                              |
| 45) t-1,3-Dichloropropene     | 9.259  | 75    | 39       | 0.000    | ppbv # | 44       |                              |
| 46) cis-1,3-Dichloropropene   | 8.603  | 75    | 30       | 0.000    | ppbv # | 24       |                              |
| 47) 1,1,2-Trichloroethane     | 9.330  | 97    | 66       | 0.001    | ppbv # | 14       |                              |
| 49) Bromoform                 | 13.063 | 173   | 60       | 0.001    | ppbv # | 17       |                              |
| 50) 4-Methyl-2-Pentanone      | 8.722  | 43    | 921      | 0.004    | ppbv # | 39       |                              |

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Quant Time: May 14 07:21:25 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 13 10:12:15 2022  
 QLast Update : Thu May 05 10:12:15 2022  
 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |                               |
|-------------------------------|--------|------|----------|-------|-------|----------|-------------------------------|
| 51) 2-Hexanone                | 10.127 | 43   | 53140    | 0.308 | ppbv  | #        | 05/16/2022                    |
| 52) Tetrachloroethene         | 11.208 | 164  | 72094m   | 0.892 | ppbv  |          | Supervised By : Mahesh Dadoda |
| 54) 1,2-Dibromoethane         | 10.298 | 107  | 78       | 0.001 | ppbv  | #        | 3                             |
| 56) 1,1,1,2-Tetrachloroethane | 11.699 | 131  | 133      | 0.001 | ppbv  | #        | 9                             |
| 57) Chlorobenzene             | 12.098 | 112  | 34       | 0.000 | ppbv  | #        | 05/17/2022                    |
| 58) Ethyl Benzene             | 12.677 | 91   | 417      | 0.001 | ppbv  |          | 99                            |
| 59) m/p-Xylene                | 12.970 | 91   | 1177     | 0.004 | ppbv  | #        | 33                            |
| 60) o-Xylene                  | 13.670 | 91   | 2276     | 0.009 | ppbv  | #        | 1                             |
| 61) Styrene                   | 13.503 | 104  | 586      | 0.004 | ppbv  | #        | 1                             |
| 62) Isopropylbenzene          | 14.635 | 105  | 4893     | 0.013 | ppbv  | #        | 49                            |
| 63) 1,1,2,2-Tetrachloroethane | 13.654 | 83   | 544      | 0.004 | ppbv  | #        | 24                            |
| 64) n-propylbenzene           | 15.516 | 120  | 108      | 0.001 | ppbv  |          | 75                            |
| 65) tert-Butylbenzene         | 16.706 | 119  | 250      | 0.001 | ppbv  | #        | 15                            |
| 66) Benzyl Chloride           | 16.950 | 91   | 139      | 0.003 | ppbv  | #        | 1                             |
| 67) sec-Butylbenzene          | 17.259 | 105  | 170      | 0.000 | ppbv  | #        | 60                            |
| 69) p-Isopropyltoluene        | 17.629 | 119  | 2568     | 0.007 | ppbv  | #        | 47                            |
| 70) n-Butylbenzene            | 18.516 | 91   | 779      | 0.002 | ppbv  | #        | 43                            |
| 71) 2-Chlorotoluene           | 15.330 | 91   | 340      | 0.001 | ppbv  |          | 69                            |
| 72) 4-Ethyltoluene            | 15.815 | 105  | 1634     | 0.006 | ppbv  | #        | 48                            |
| 73) 1,3,5-Trimethylbenzene    | 15.966 | 105  | 1094     | 0.004 | ppbv  | #        | 40                            |
| 74) 1,2,4-Trimethylbenzene    | 16.735 | 105  | 3311     | 0.011 | ppbv  | #        | 53                            |
| 75) 1,3-Dichlorobenzene       | 16.963 | 146  | 120      | 0.001 | ppbv  | #        | 22                            |
| 76) 1,4-Dichlorobenzene       | 16.973 | 146  | 52       | 0.000 | ppbv  | #        | 1                             |
| 77) 1,2-Dichlorobenzene       | 17.805 | 146  | 87       | 0.001 | ppbv  | #        | 1                             |
| 79) Naphthalene               | 22.152 | 128  | 188      | 0.001 | ppbv  | #        | 54                            |
| 80) Naphthalene,2-methyl-     | 25.043 | 142  | 34       | 0.000 | ppbv  | #        | 1                             |
| 81) 1,2,4-Trichlorobenzene    | 21.882 | 180  | 87       | 0.001 | ppbv  | #        | 56                            |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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