

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060622\  
 Data File : VL039194.D  
 Acq On : 6 Jun 2022 21:20  
 Operator : SY/AP  
 Sample : N3110-04 2X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-11

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022  
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 03:20:21 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 07 03:20:21 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.661  | 49    | 1216084  | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene       | 7.169  | 114   | 3204513  | 10.000   | ppbv   | -0.01    |
| 55) Chlorobenzene-d5          | 12.076 | 117   | 2883263  | 10.000   | ppbv   | -0.02    |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 14.404 | 95    | 2378022  | 9.976    | ppbv   | -0.01    |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 99.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 3.047  | 85    | 36800    | 0.172    | ppbv # | 86       |
| 3) Chlorodifluoromethane      | 2.989  | 51    | 32357m   | 0.209    | ppbv   |          |
| 4) Chloromethane              | 3.140  | 50    | 32969    | 0.415    | ppbv # | 86       |
| 9) Propene                    | 3.025  | 41    | 32069m   | 0.475    | ppbv   |          |
| 10) Heptane                   | 8.114  | 43    | 33599    | 0.213    | ppbv   | 93       |
| 11) Trichlorofluoromethane    | 3.951  | 101   | 234310   | 1.212    | ppbv   | 99       |
| 12) 1,1,2-Trichlorotrifluo... | 4.488  | 101   | 30158    | 0.236    | ppbv   | 97       |
| 13) Ethanol                   | 3.597  | 45    | 159095   | 43.239   | ppbv # | 100      |
| 15) Acetone                   | 3.845  | 43    | 706073   | 5.574    | ppbv   | 94       |
| 17) tert-Butyl alcohol        | 4.298  | 59    | 29319m   | 0.298    | ppbv   |          |
| 20) Methylene Chloride        | 4.343  | 84    | 816897   | 15.302   | ppbv   | 95       |
| 26) Hexane                    | 5.684  | 57    | 1657712  | 13.212   | ppbv # | 38       |
| 27) Carbon Disulfide          | 4.549  | 76    | 53001m   | 0.408    | ppbv   |          |
| 29) Chloroform                | 5.748  | 83    | 82376    | 0.390    | ppbv   | 88       |
| 30) Cyclohexane               | 7.127  | 84    | 18199m   | 0.173    | ppbv   |          |
| 32) 1,1,1-Trichloroethane     | 6.507  | 97    | 7955m    | 0.039    | ppbv   |          |
| 34) 2-Butanone                | 5.246  | 43    | 149800   | 0.860    | ppbv   | 94       |
| 36) Benzene                   | 6.886  | 78    | 41445m   | 0.159    | ppbv   |          |
| 38) Trichloroethene           | 7.828  | 130   | 24495m   | 0.205    | ppbv   |          |
| 51) 2-Hexanone                | 10.134 | 43    | 79473m   | 0.392    | ppbv   |          |
| 52) Tetrachloroethene         | 11.211 | 164   | 239392   | 2.357    | ppbv   | 94       |
| 53) Toluene                   | 9.796  | 91    | 289655   | 0.967    | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.700 | 91    | 245032   | 0.617    | ppbv   | 97       |
| 59) m/p-Xylene                | 12.954 | 91    | 953171m  | 2.725    | ppbv   |          |
| 60) o-Xylene                  | 13.683 | 91    | 402421   | 1.225    | ppbv   | 97       |
| 61) Styrene                   | 13.519 | 104   | 27228m   | 0.155    | ppbv   |          |
| 64) n-propylbenzene           | 15.555 | 120   | 40136    | 0.334    | ppbv   | 90       |
| 69) p-Isopropyltoluene        | 17.641 | 119   | 57001m   | 0.111    | ppbv   |          |
| 70) n-Butylbenzene            | 18.545 | 91    | 117060m  | 0.222    | ppbv   |          |
| 72) 4-Ethyltoluene            | 15.825 | 105   | 280942   | 0.729    | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.982 | 105   | 230573   | 0.664    | ppbv   | 91       |
| 74) 1,2,4-Trimethylbenzene    | 16.751 | 105   | 926386   | 2.390    | ppbv # | 62       |
| 79) Naphthalene               | 22.185 | 128   | 86566m   | 0.290    | ppbv   |          |
| -----                         |        |       |          |          |        |          |

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

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