

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL120122\  
 Data File : VL039947.D  
 Acq On : 1 Dec 2022 18:22  
 Operator : SY/MD  
 Sample : N5824-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 TPC-SS

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/02/2022  
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:34:05 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 5 2022

QLast Update : Fri Dec 02 05:29:35 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.163  | 49    | 1239051  | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene       | 6.626  | 114   | 3332732  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 11.442 | 117   | 2941389  | 10.000   | ppbv   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.754 | 95    | 2349244  | 10.457   | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 104.600% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.700  | 85    | 124709   | 0.703    | ppbv   | 98       |
| 4) Chloromethane              | 2.780  | 50    | 18616m   | 0.170    | ppbv   |          |
| 8) Dichlorotetrafluoroethane  | 2.825  | 85    | 21194m   | 0.105    | ppbv   |          |
| 9) Propene                    | 2.674  | 41    | 126858m  | 1.575    | ppbv   |          |
| 10) Heptane                   | 7.549  | 43    | 69478m   | 0.358    | ppbv   |          |
| 11) Trichlorofluoromethane    | 3.533  | 101   | 385298   | 1.780    | ppbv   | 94       |
| 12) 1,1,2-Trichlorotrifluo... | 4.034  | 101   | 64949    | 0.396    | ppbv   | 94       |
| 13) Ethanol                   | 3.234  | 45    | 7963840  | 1295.139 | ppbv   | 98       |
| 15) Acetone                   | 3.433  | 43    | 15166129 | 92.282   | ppbv # | 60       |
| 17) tert-Butyl alcohol        | 3.873  | 59    | 2686635  | 14.218   | ppbv   | 100      |
| 19) Isopropyl Alcohol         | 3.571  | 45    | 7077723  | 79.540   | ppbv # | 29       |
| 20) Methylene Chloride        | 3.906  | 84    | 1196680  | 15.029   | ppbv   | 97       |
| 22) trans-1,2-Dichloroethene  | 4.420  | 96    | 8861m    | 0.117    | ppbv   |          |
| 26) Hexane                    | 5.182  | 57    | 770500   | 5.845    | ppbv # | 47       |
| 29) Chloroform                | 5.253  | 83    | 76659m   | 0.438    | ppbv   |          |
| 34) 2-Butanone                | 4.761  | 43    | 206224m  | 1.293    | ppbv   |          |
| 35) Carbon Tetrachloride      | 6.462  | 117   | 15418m   | 0.081    | ppbv   |          |
| 38) Trichloroethene           | 7.266  | 130   | 37206m   | 0.235    | ppbv   |          |
| 41) Tetrahydrofuran           | 5.523  | 42    | 190268m  | 1.728    | ppbv   |          |
| 50) 4-Methyl-2-Pentanone      | 8.163  | 43    | 54487m   | 0.191    | ppbv   |          |
| 52) Tetrachloroethene         | 10.593 | 164   | 4962787  | 46.830   | ppbv   | 99       |
| 53) Toluene                   | 9.192  | 91    | 297247   | 0.921    | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.063 | 91    | 68973m   | 0.173    | ppbv   |          |
| 59) m/p-Xylene                | 12.320 | 91    | 178611   | 0.535    | ppbv   | 98       |
| 60) o-Xylene                  | 13.031 | 91    | 116216m  | 0.365    | ppbv   |          |
| 61) Styrene                   | 12.870 | 104   | 78823    | 0.415    | ppbv   | 97       |
| 62) Isopropylbenzene          | 14.008 | 105   | 85998m   | 0.187    | ppbv   |          |
| 64) n-propylbenzene           | 14.896 | 120   | 24969m   | 0.208    | ppbv   |          |
| 69) p-Isopropyltoluene        | 16.973 | 119   | 100612   | 0.221    | ppbv   | 94       |
| 71) 2-Chlorotoluene           | 14.767 | 91    | 37386m   | 0.107    | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene    | 15.326 | 105   | 44859    | 0.137    | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene    | 16.072 | 105   | 139344m  | 0.402    | ppbv   |          |
| 79) Naphthalene               | 21.361 | 128   | 82081m   | 0.395    | ppbv   |          |
| -----                         |        |       |          |          |        |          |

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

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