

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101022\  
 Data File : VL039710.D  
 Acq On : 11 Oct 2022 00:07  
 Operator : SY/AP  
 Sample : N4955-15 MDL 0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 11 07:24:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.195  | 49    | 1015552  | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene       | 6.645  | 114   | 2599481  | 10.000   | ppbv   | -0.02    |
| 55) Chlorobenzene-d5          | 11.452 | 117   | 2279826  | 10.000   | ppbv   | -0.02    |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.757 | 95    | 1726847  | 10.147   | ppbv   | -0.02    |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 101.500% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.745  | 85    | 18624    | 0.158    | ppbv   | 92       |
| 3) Chlorodifluoromethane      | 2.690  | 51    | 13745    | 0.114    | ppbv   | 98       |
| 4) Chloromethane              | 2.832  | 50    | 7983     | 0.110    | ppbv   | 98       |
| 5) Vinyl Chloride             | 2.934  | 62    | 6258     | 0.103    | ppbv   | 99       |
| 6) Bromomethane               | 3.137  | 94    | 2677m    | 0.120    | ppbv   |          |
| 7) Chloroethane               | 3.211  | 64    | 2880m    | 0.130    | ppbv   |          |
| 8) Dichlorotetrafluoroethane  | 2.867  | 85    | 17019m   | 0.121    | ppbv   |          |
| 9) Propene                    | 2.719  | 41    | 11201m   | 0.203    | ppbv   |          |
| 10) Heptane                   | 7.581  | 43    | 8258m    | 0.064    | ppbv   |          |
| 11) Trichlorofluoromethane    | 3.574  | 101   | 14684m   | 0.101    | ppbv   |          |
| 12) 1,1,2-Trichlorotrifluo... | 4.066  | 101   | 11624m   | 0.106    | ppbv   |          |
| 13) Ethanol                   | 3.288  | 45    | 1277m    | 0.304    | ppbv   |          |
| 14) Bromoethene               | 3.378  | 108   | 4227m    | 0.096    | ppbv   |          |
| 15) Acetone                   | 3.497  | 43    | 21118m   | 0.187    | ppbv   |          |
| 16) 1,3-Butadiene             | 3.002  | 39    | 8683m    | 0.151    | ppbv   |          |
| 17) tert-Butyl alcohol        | 3.915  | 59    | 11941m   | 0.118    | ppbv   |          |
| 18) 1,1-Dichloroethene        | 3.893  | 96    | 5639m    | 0.116    | ppbv   |          |
| 19) Isopropyl Alcohol         | 3.607  | 45    | 8649m    | 0.150    | ppbv   |          |
| 20) Methylene Chloride        | 3.944  | 84    | 12130m   | 0.232    | ppbv   |          |
| 21) Allyl Chloride            | 4.008  | 41    | 7092m    | 0.092    | ppbv   |          |
| 22) trans-1,2-Dichloroethene  | 4.452  | 96    | 4580     | 0.096    | ppbv   | 85       |
| 23) Vinyl Acetate             | 4.639  | 43    | 7407m    | 0.145    | ppbv   |          |
| 24) 1,1-Dichloroethane        | 4.568  | 63    | 10329m   | 0.102    | ppbv   |          |
| 25) Ethyl Acetate             | 5.221  | 43    | 19577    | 0.079    | ppbv # | 95       |
| 26) Hexane                    | 5.211  | 57    | 10459    | 0.100    | ppbv # | 91       |
| 27) Carbon Disulfide          | 4.134  | 76    | 7385     | 0.067    | ppbv # | 68       |
| 28) Methyl tert-Butyl Ether   | 4.619  | 73    | 8641m    | 0.098    | ppbv   |          |
| 29) Chloroform                | 5.275  | 83    | 15887m   | 0.105    | ppbv   |          |
| 30) Cyclohexane               | 6.626  | 84    | 9362m    | 0.116    | ppbv   |          |
| 31) cis-1,2-Dichloroethene    | 5.073  | 61    | 9477m    | 0.100    | ppbv   |          |
| 32) 1,1,1-Trichloroethane     | 6.002  | 97    | 12275m   | 0.090    | ppbv   |          |
| 34) 2-Butanone                | 4.812  | 43    | 15055m   | 0.118    | ppbv   |          |
| 35) Carbon Tetrachloride      | 6.491  | 117   | 12184m   | 0.088    | ppbv   |          |
| 36) Benzene                   | 6.368  | 78    | 15596    | 0.078    | ppbv # | 87       |
| 37) 1,2-Dichloroethane        | 5.806  | 62    | 10855m   | 0.100    | ppbv   |          |
| 38) Trichloroethene           | 7.288  | 130   | 10521m   | 0.098    | ppbv   |          |
| 48) Dibromochloromethane      | 9.700  | 129   | 8041m    | 0.064    | ppbv   |          |
| 53) Toluene                   | 9.204  | 91    | 14527m   | 0.066    | ppbv   |          |
| 54) 1,2-Dibromoethane         | 9.995  | 107   | 8851m    | 0.099    | ppbv   |          |
| 71) 2-Chlorotoluene           | 14.789 | 91    | 16195m   | 0.067    | ppbv   |          |

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