

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051223\  
 Data File : VL040425.D  
 Acq On : 12 May 2023 19:31  
 Operator : SY/MD  
 Sample : 02785-01 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023  
 Supervised By :Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:48:26 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.182  | 49    | 1078630  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.645  | 114   | 2685589  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.468 | 117   | 2480029  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.774 | 95    | 1975363  | 9.632    | ppbv   | -0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.300%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 2.713  | 85    | 30257    | 0.156    | ppbv   | 92       |
| 4) Chloromethane            | 2.796  | 50    | 11647    | 0.131    | ppbv   | 96       |
| 7) Chloroethane             | 3.179  | 64    | 3305m    | 0.119    | ppbv   |          |
| 9) Propene                  | 2.678  | 41    | 345124   | 6.198    | ppbv   | 97       |
| 10) Heptane                 | 7.571  | 43    | 19177m   | 0.152    | ppbv   |          |
| 13) Ethanol                 | 3.227  | 45    | 56931    | 12.247   | ppbv   | 99       |
| 15) Acetone                 | 3.449  | 43    | 1947339  | 12.747   | ppbv   | 95       |
| 17) tert-Butyl alcohol      | 3.870  | 59    | 50078    | 0.357    | ppbv # | 91       |
| 19) Isopropyl Alcohol       | 3.568  | 45    | 58187    | 0.835    | ppbv # | 90       |
| 20) Methylene Chloride      | 3.922  | 84    | 118053   | 1.935    | ppbv   | 95       |
| 23) Vinyl Acetate           | 4.616  | 43    | 170899   | 4.394    | ppbv # | 93       |
| 26) Hexane                  | 5.205  | 57    | 244237   | 2.254    | ppbv # | 34       |
| 27) Carbon Disulfide        | 4.108  | 76    | 25610    | 0.183    | ppbv # | 59       |
| 29) Chloroform              | 5.263  | 83    | 295083   | 1.528    | ppbv   | 96       |
| 34) 2-Butanone              | 4.777  | 43    | 530389   | 3.663    | ppbv   | 98       |
| 36) Benzene                 | 6.362  | 78    | 97240    | 0.444    | ppbv # | 90       |
| 50) 4-Methyl-2-Pentanone    | 8.185  | 43    | 39521m   | 0.180    | ppbv   |          |
| 51) 2-Hexanone              | 9.555  | 43    | 62641    | 0.386    | ppbv # | 98       |
| 52) Tetrachloroethene       | 10.613 | 164   | 17711m   | 0.258    | ppbv   |          |
| 53) Toluene                 | 9.221  | 91    | 119779   | 0.516    | ppbv   | 98       |
| 59) m/p-Xylene              | 12.346 | 91    | 35895m   | 0.128    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.105 | 105   | 47154m   | 0.150    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

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