

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040523\  
 Data File : VL040314.D  
 Acq On : 5 Apr 2023 12:58  
 Operator : SY/MD  
 Sample : 02168-01 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/06/2023  
 Supervised By :Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 07:50:39 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.166  | 49    | 1036357  | 10.000   | ppbv   | -0.02    |
| 33) 1,4-Difluorobenzene     | 6.632  | 114   | 2644358  | 10.000   | ppbv   | -0.02    |
| 55) Chlorobenzene-d5        | 11.452 | 117   | 2634413  | 10.000   | ppbv   | -0.03    |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.761 | 95    | 2217213  | 10.050   | ppbv   | -0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.500% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 2.700  | 85    | 22097    | 0.109    | ppbv # | 88       |
| 3) Chlorodifluoromethane    | 2.645  | 51    | 9501m    | 0.073    | ppbv   |          |
| 9) Propene                  | 2.845  | 41    | 325894   | 6.528    | ppbv   | 96       |
| 10) Heptane                 | 7.561  | 43    | 1901057  | 15.831   | ppbv   | 98       |
| 13) Ethanol                 | 3.218  | 45    | 70921    | 19.369   | ppbv   | 93       |
| 15) Acetone                 | 3.436  | 43    | 4023273  | 31.888   | ppbv   | 97       |
| 17) tert-Butyl alcohol      | 3.864  | 59    | 26444    | 0.221    | ppbv # | 72       |
| 19) Isopropyl Alcohol       | 3.555  | 45    | 67591    | 1.118    | ppbv # | 90       |
| 20) Methylene Chloride      | 3.909  | 84    | 74574    | 1.405    | ppbv   | 98       |
| 23) Vinyl Acetate           | 4.632  | 43    | 1236991m | 35.241   | ppbv   |          |
| 25) Ethyl Acetate           | 5.189  | 43    | 1282887  | 5.431    | ppbv # | 76       |
| 26) Hexane                  | 5.189  | 57    | 1895177  | 19.546   | ppbv # | 36       |
| 27) Carbon Disulfide        | 4.099  | 76    | 63031    | 0.465    | ppbv   | 98       |
| 29) Chloroform              | 5.250  | 83    | 29890m   | 0.175    | ppbv   |          |
| 34) 2-Butanone              | 4.767  | 43    | 187944   | 1.440    | ppbv   | 97       |
| 36) Benzene                 | 6.346  | 78    | 109083   | 0.541    | ppbv   | 94       |
| 50) 4-Methyl-2-Pentanone    | 8.172  | 43    | 34225m   | 0.169    | ppbv   |          |
| 52) Tetrachloroethene       | 10.603 | 164   | 4078m    | 0.067    | ppbv   |          |
| 53) Toluene                 | 9.201  | 91    | 187413   | 0.887    | ppbv   | 99       |
| 58) Ethyl Benzene           | 12.076 | 91    | 53850    | 0.180    | ppbv   | 98       |
| 59) m/p-Xylene              | 12.327 | 91    | 76651m   | 0.279    | ppbv   |          |
| 60) o-Xylene                | 13.044 | 91    | 38252m   | 0.146    | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene  | 15.339 | 105   | 25733m   | 0.099    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.088 | 105   | 76682    | 0.258    | ppbv # | 66       |
| -----                       |        |       |          |          |        |          |

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

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