

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110823\  
 Data File : VL040821.D  
 Acq On : 8 Nov 2023 21:54  
 Operator : SY/MD  
 Sample : 05276-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SH-IA-3

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:34:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.208  | 49    | 1061153  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.664  | 114   | 2652200  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.461 | 117   | 2217592  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.767 | 95    | 1649024  | 10.106   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.100% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 2.771  | 85    | 100813   | 0.539    | ppbv   | 100      |
| 3) Chlorodifluoromethane    | 2.716  | 51    | 62114m   | 0.398    | ppbv   |          |
| 4) Chloromethane            | 2.854  | 50    | 30597    | 0.497    | ppbv   | 90       |
| 9) Propene                  | 2.748  | 41    | 285495m  | 4.929    | ppbv   |          |
| 10) Heptane                 | 7.584  | 43    | 54426    | 0.374    | ppbv   | 95       |
| 11) Trichlorofluoromethane  | 3.590  | 101   | 36180    | 0.251    | ppbv   | 94       |
| 13) Ethanol                 | 3.285  | 45    | 6511240  | 497.969  | ppbv   | 99       |
| 15) Acetone                 | 3.494  | 43    | 6261789m | 57.080   | ppbv   |          |
| 17) tert-Butyl alcohol      | 3.922  | 59    | 916590   | 8.148    | ppbv   | 99       |
| 19) Isopropyl Alcohol       | 3.619  | 45    | 2902834  | 41.106   | ppbv # | 44       |
| 20) Methylene Chloride      | 3.960  | 84    | 473304   | 10.358   | ppbv   | 95       |
| 26) Hexane                  | 5.227  | 57    | 1536455  | 13.986   | ppbv # | 42       |
| 29) Chloroform              | 5.291  | 83    | 21426    | 0.135    | ppbv   | 88       |
| 30) Cyclohexane             | 6.610  | 84    | 13883m   | 0.149    | ppbv   |          |
| 34) 2-Butanone              | 4.806  | 43    | 236019   | 1.966    | ppbv   | 97       |
| 35) Carbon Tetrachloride    | 6.507  | 117   | 10422m   | 0.070    | ppbv   |          |
| 36) Benzene                 | 6.381  | 78    | 99444    | 0.487    | ppbv # | 95       |
| 37) 1,2-Dichloroethane      | 5.819  | 62    | 14341    | 0.137    | ppbv # | 96       |
| 38) Trichloroethene         | 7.298  | 130   | 3788m    | 0.042    | ppbv   |          |
| 43) Methyl Methacrylate     | 7.478  | 69    | 62348m   | 0.763    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane  | 7.339  | 57    | 127099   | 0.368    | ppbv # | 69       |
| 50) 4-Methyl-2-Pentanone    | 8.188  | 43    | 157558   | 0.767    | ppbv   | 97       |
| 51) 2-Hexanone              | 9.539  | 43    | 105397m  | 0.674    | ppbv   |          |
| 52) Tetrachloroethene       | 10.613 | 164   | 3190m    | 0.038    | ppbv   |          |
| 53) Toluene                 | 9.224  | 91    | 429652   | 1.770    | ppbv   | 97       |
| 58) Ethyl Benzene           | 12.085 | 91    | 258027   | 0.924    | ppbv   | 89       |
| 59) m/p-Xylene              | 12.336 | 91    | 687694   | 2.993    | ppbv   | 95       |
| 60) o-Xylene                | 13.047 | 91    | 306730   | 1.401    | ppbv   | 94       |
| 61) Styrene                 | 12.889 | 104   | 94708    | 0.781    | ppbv   | 94       |
| 62) Isopropylbenzene        | 14.021 | 105   | 323557   | 0.961    | ppbv   | 95       |
| 64) n-propylbenzene         | 14.902 | 120   | 90157m   | 0.996    | ppbv   |          |
| 67) sec-Butylbenzene        | 16.632 | 105   | 92382m   | 0.222    | ppbv   |          |
| 69) p-Isopropyltoluene      | 16.979 | 119   | 78698m   | 0.226    | ppbv   |          |
| 70) n-Butylbenzene          | 17.876 | 91    | 102070m  | 0.298    | ppbv   |          |
| 72) 4-Ethyltoluene          | 15.185 | 105   | 238094   | 0.929    | ppbv # | 95       |
| 73) 1,3,5-Trimethylbenzene  | 15.339 | 105   | 323639   | 1.434    | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene  | 16.095 | 105   | 1087524  | 4.409    | ppbv # | 72       |

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

