

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022123\  
 Data File : VL040203.D  
 Acq On : 21 Feb 2023 20:30  
 Operator : SY/MD  
 Sample : 01626-05  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-21

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/28/2023  
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 22 03:26:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.195  | 49    | 853911   | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene     | 6.658  | 114   | 2221853  | 10.000   | ppbv   | -0.02    |
| 55) Chlorobenzene-d5        | 11.478 | 117   | 1960294  | 10.000   | ppbv   | -0.02    |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.789 | 95    | 1610470  | 9.991    | ppbv   | -0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 99.900%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 2.729  | 85    | 37294    | 0.234    | ppbv   | 99       |
| 3) Chlorodifluoromethane    | 2.671  | 51    | 127927m  | 1.254    | ppbv   |          |
| 4) Chloromethane            | 2.812  | 50    | 32262    | 0.504    | ppbv   | 88       |
| 9) Propene                  | 2.703  | 41    | 273825m  | 6.585    | ppbv   |          |
| 10) Heptane                 | 7.584  | 43    | 22169m   | 0.224    | ppbv   |          |
| 11) Trichlorofluoromethane  | 3.568  | 101   | 30980m   | 0.217    | ppbv   |          |
| 13) Ethanol                 | 3.240  | 45    | 3460805  | 904.095  | ppbv   | 94       |
| 15) Acetone                 | 3.465  | 43    | 1356771  | 13.197   | ppbv   | 99       |
| 17) tert-Butyl alcohol      | 3.899  | 59    | 18445m   | 0.197    | ppbv   |          |
| 19) Isopropyl Alcohol       | 3.581  | 45    | 2715881  | 55.574   | ppbv # | 96       |
| 20) Methylene Chloride      | 3.935  | 84    | 174535   | 3.261    | ppbv   | 95       |
| 25) Ethyl Acetate           | 5.214  | 43    | 164834   | 0.862    | ppbv # | 94       |
| 30) Cyclohexane             | 6.603  | 84    | 8857m    | 0.137    | ppbv   |          |
| 34) 2-Butanone              | 4.796  | 43    | 48635    | 0.444    | ppbv # | 89       |
| 35) Carbon Tetrachloride    | 6.500  | 117   | 8855     | 0.067    | ppbv # | 78       |
| 36) Benzene                 | 6.375  | 78    | 161449   | 0.934    | ppbv   | 98       |
| 44) 2,2,4-Trimethylpentane  | 7.336  | 57    | 87244    | 0.302    | ppbv # | 79       |
| 52) Tetrachloroethene       | 10.635 | 164   | 2323m    | 0.043    | ppbv   |          |
| 53) Toluene                 | 9.230  | 91    | 366654   | 1.980    | ppbv   | 99       |
| 58) Ethyl Benzene           | 12.101 | 91    | 59352m   | 0.249    | ppbv   |          |
| 59) m/p-Xylene              | 12.355 | 91    | 160887   | 0.763    | ppbv   | 99       |
| 60) o-Xylene                | 13.072 | 91    | 55730m   | 0.275    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

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