

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100825\  
 Data File : VL043072.D  
 Acq On : 08 Oct 2025 23:16  
 Operator : SY/MD  
 Sample : Q3320-09  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA5

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:25:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.784  | 49    | 166750   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.952  | 114   | 430435   | 10.000   | ppbv   | 0.01     |
| 55) Chlorobenzene-d5        | 8.875  | 117   | 343430   | 10.000   | ppbv   | 0.01     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.370 | 95    | 255772   | 10.338   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 103.400% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.499  | 85    | 14120    | 0.502    | ppbv   | 100      |
| 3) Chlorodifluoromethane    | 1.476  | 51    | 8082m    | 0.297    | ppbv   |          |
| 4) Chloromethane            | 1.531  | 50    | 5069     | 0.494    | ppbv   | 97       |
| 9) Propene                  | 1.486  | 41    | 8889     | 0.811    | ppbv   | 84       |
| 11) Trichlorofluoromethane  | 1.874  | 101   | 6846     | 0.237    | ppbv   | 100      |
| 13) Ethanol                 | 1.719  | 45    | 84535    | 211.533  | ppbv   | 89       |
| 15) Acetone                 | 1.832  | 43    | 236631   | 10.135   | ppbv   | 100      |
| 19) Isopropyl Alcohol       | 1.884  | 45    | 735856   | 65.781   | ppbv # | 27       |
| 20) Methylene Chloride      | 2.059  | 84    | 6793     | 0.667    | ppbv   | 95       |
| 26) Hexane                  | 2.823  | 57    | 9729     | 0.432    | ppbv # | 39       |
| 29) Chloroform              | 2.845  | 83    | 12444    | 0.324    | ppbv   | 97       |
| 34) 2-Butanone              | 2.557  | 43    | 10611    | 0.363    | ppbv   | 93       |
| 35) Carbon Tetrachloride    | 3.758  | 117   | 2739m    | 0.077    | ppbv   |          |
| 52) Tetrachloroethene       | 8.212  | 164   | 756m     | 0.050    | ppbv   |          |
| 53) Toluene                 | 6.923  | 91    | 12387m   | 0.298    | ppbv   |          |
| 59) m/p-Xylene              | 9.529  | 91    | 8847m    | 0.197    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

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