

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092225\  
 Data File : VL042974.D  
 Acq On : 23 Sep 2025 01:11  
 Operator : SY/MD  
 Sample : Q3131-01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 141-1A-1

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025  
 Supervised By :Semsettin Yesilyurt 09/24/2025

Quant Time: Sep 24 01:12:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.790  | 49    | 144572   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.962  | 114   | 424417   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.885  | 117   | 377395   | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 294613   | 10.458   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 104.600% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.499  | 85    | 66916    | 3.441    | ppbv   | 97       |
| 3) Chlorodifluoromethane    | 1.476  | 51    | 5787m    | 0.239    | ppbv   |          |
| 4) Chloromethane            | 1.534  | 50    | 3662     | 0.416    | ppbv   | 97       |
| 9) Propene                  | 1.489  | 41    | 45403m   | 4.306    | ppbv   |          |
| 10) Heptane                 | 4.985  | 43    | 11334m   | 0.403    | ppbv   |          |
| 11) Trichlorofluoromethane  | 1.881  | 101   | 7357     | 0.392    | ppbv   | 93       |
| 13) Ethanol                 | 1.722  | 45    | 127657   | 124.813  | ppbv   | 96       |
| 15) Acetone                 | 1.835  | 43    | 334321m  | 17.755   | ppbv   |          |
| 17) tert-Butyl alcohol      | 2.046  | 59    | 5337     | 0.258    | ppbv # | 72       |
| 19) Isopropyl Alcohol       | 1.887  | 45    | 23221    | 2.051    | ppbv # | 1        |
| 20) Methylene Chloride      | 2.065  | 84    | 14219    | 1.997    | ppbv   | 95       |
| 26) Hexane                  | 2.829  | 57    | 140710   | 6.486    | ppbv # | 43       |
| 29) Chloroform              | 2.855  | 83    | 3737     | 0.132    | ppbv   | 94       |
| 30) Cyclohexane             | 3.865  | 84    | 9104m    | 0.502    | ppbv   |          |
| 34) 2-Butanone              | 2.560  | 43    | 44238    | 1.487    | ppbv   | 99       |
| 35) Carbon Tetrachloride    | 3.771  | 117   | 2523m    | 0.091    | ppbv   |          |
| 36) Benzene                 | 3.661  | 78    | 26130    | 0.656    | ppbv # | 95       |
| 37) 1,2-Dichloroethane      | 3.224  | 62    | 4122m    | 0.197    | ppbv   |          |
| 41) Tetrahydrofuran         | 3.065  | 42    | 6951     | 0.407    | ppbv # | 80       |
| 44) 2,2,4-Trimethylpentane  | 4.648  | 57    | 77020    | 1.119    | ppbv # | 88       |
| 50) 4-Methyl-2-Pentanone    | 5.778  | 43    | 10779m   | 0.270    | ppbv   |          |
| 51) 2-Hexanone              | 7.451  | 43    | 8807m    | 0.277    | ppbv   |          |
| 53) Toluene                 | 6.940  | 91    | 87271    | 1.850    | ppbv   | 97       |
| 58) Ethyl Benzene           | 9.357  | 91    | 24797    | 0.400    | ppbv   | 91       |
| 59) m/p-Xylene              | 9.535  | 91    | 75106    | 1.537    | ppbv # | 100      |
| 60) o-Xylene                | 9.969  | 91    | 26261    | 0.538    | ppbv   | 96       |
| 61) Styrene                 | 9.875  | 104   | 5433     | 0.235    | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene  | 11.209 | 105   | 5102     | 0.103    | ppbv   | 90       |
| 74) 1,2,4-Trimethylbenzene  | 11.536 | 105   | 15880    | 0.290    | ppbv # | 62       |
| 79) Naphthalene             | 13.513 | 128   | 5520     | 0.114    | ppbv # | 95       |
| -----                       |        |       |          |          |        |          |

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

