

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091825\  
 Data File : VL042945.D  
 Acq On : 18 Sep 2025 14:37  
 Operator : SY/MD  
 Sample : Q3111-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 19 01:25:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091725AIR.M

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

QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.790  | 49    | 171978   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.962  | 114   | 434311   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.888  | 117   | 375912   | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 294177   | 10.012   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.100% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.499  | 85    | 11604    | 0.472    | ppbv   | 93       |
| 3) Chlorodifluoromethane    | 1.476  | 51    | 14019m   | 0.542    | ppbv   |          |
| 4) Chloromethane            | 1.534  | 50    | 5930     | 0.601    | ppbv   | 92       |
| 9) Propene                  | 1.489  | 41    | 159929m  | 16.932   | ppbv   |          |
| 10) Heptane                 | 4.985  | 43    | 18926    | 0.809    | ppbv # | 28       |
| 11) Trichlorofluoromethane  | 1.881  | 101   | 5787m    | 0.238    | ppbv   |          |
| 13) Ethanol                 | 1.725  | 45    | 522414   | 542.469  | ppbv   | 94       |
| 15) Acetone                 | 1.835  | 43    | 3201270  | 151.550  | ppbv # | 71       |
| 17) tert-Butyl alcohol      | 2.046  | 59    | 5120     | 0.252    | ppbv # | 1        |
| 19) Isopropyl Alcohol       | 1.890  | 45    | 3190461  | 281.710  | ppbv # | 1        |
| 20) Methylene Chloride      | 2.065  | 84    | 19046    | 2.071    | ppbv # | 88       |
| 25) Ethyl Acetate           | 2.839  | 43    | 330462   | 7.326    | ppbv # | 94       |
| 26) Hexane                  | 2.832  | 57    | 60432    | 3.122    | ppbv # | 1        |
| 29) Chloroform              | 2.852  | 83    | 11080    | 0.350    | ppbv   | 90       |
| 30) Cyclohexane             | 3.861  | 84    | 8371m    | 0.574    | ppbv   |          |
| 34) 2-Butanone              | 2.560  | 43    | 112773   | 4.006    | ppbv   | 99       |
| 35) Carbon Tetrachloride    | 3.771  | 117   | 2651m    | 0.086    | ppbv   |          |
| 36) Benzene                 | 3.661  | 78    | 31276    | 0.826    | ppbv   | 97       |
| 37) 1,2-Dichloroethane      | 3.224  | 62    | 14184    | 0.625    | ppbv   | 97       |
| 41) Tetrahydrofuran         | 3.062  | 42    | 40679    | 2.920    | ppbv   | 100      |
| 43) Methyl Methacrylate     | 4.894  | 69    | 8101m    | 0.639    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane  | 4.645  | 57    | 333951   | 5.285    | ppbv   | 97       |
| 52) Tetrachloroethene       | 8.228  | 164   | 584m     | 0.050    | ppbv   |          |
| 53) Toluene                 | 6.939  | 91    | 213911   | 6.055    | ppbv   | 99       |
| 58) Ethyl Benzene           | 9.361  | 91    | 21939    | 0.453    | ppbv   | 92       |
| 59) m/p-Xylene              | 9.535  | 91    | 60921m   | 1.489    | ppbv   |          |
| 60) o-Xylene                | 9.969  | 91    | 19505    | 0.479    | ppbv   | 100      |
| 61) Styrene                 | 9.875  | 104   | 14267    | 1.184    | ppbv   | 97       |
| 72) 4-Ethyltoluene          | 11.131 | 105   | 2902     | 0.407    | ppbv # | 62       |
| 74) 1,2,4-Trimethylbenzene  | 11.542 | 105   | 9091     | 0.192    | ppbv # | 58       |
| 79) Naphthalene             | 13.516 | 128   | 2794     | 0.418    | ppbv # | 88       |
| 81) 1,2,4-Trichlorobenzene  | 13.448 | 180   | 1426m    | 0.482    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

## Manual Integrations

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