

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100625\  
 Data File : VL043046.D  
 Acq On : 06 Oct 2025 10:12  
 Operator : SY/MD  
 Sample : VL1006ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1006ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:33:20 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri 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   | 2.780 | 49   | 188357   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.946 | 114  | 537601   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.872 | 117  | 447189   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 338181 10.498 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.496 | 85  | 295209 | 9.299  | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.473 | 51  | 282563 | 9.201  | ppbv   | 100    |
| 4) Chloromethane              | 1.531 | 50  | 106576 | 9.191  | ppbv   | 97     |
| 5) Vinyl Chloride             | 1.576 | 62  | 101063 | 9.184  | ppbv   | 99     |
| 6) Bromomethane               | 1.664 | 94  | 47460  | 9.598  | ppbv   | 94     |
| 7) Chloroethane               | 1.703 | 64  | 42252  | 9.201  | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 1.551 | 85  | 247037 | 9.497  | ppbv   | 97     |
| 9) Propene                    | 1.483 | 41  | 113498 | 9.166  | ppbv   | 99     |
| 10) Heptane                   | 4.965 | 43  | 320280 | 10.521 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.874 | 101 | 302747 | 9.280  | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.133 | 101 | 239211 | 9.310  | ppbv   | 99     |
| 13) Ethanol                   | 1.719 | 45  | 4927   | 9.710  | ppbv   | 99     |
| 14) Bromoethene               | 1.777 | 108 | 87214  | 9.468  | ppbv   | 99     |
| 15) Acetone                   | 1.832 | 43  | 213544 | 8.097  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.606 | 39  | 99231  | 9.126  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.033 | 59  | 260280 | 9.330  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.030 | 96  | 102725 | 9.120  | ppbv   | 96     |
| 19) Isopropyl Alcohol         | 1.881 | 45  | 111933 | 8.858  | ppbv   | 99     |
| 20) Methylene Chloride        | 2.059 | 84  | 90931  | 7.899  | ppbv   | 98     |
| 21) Allyl Chloride            | 2.091 | 41  | 157109 | 9.299  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 2.337 | 96  | 117166 | 9.162  | ppbv   | 98     |
| 23) Vinyl Acetate             | 2.457 | 43  | 42991  | 7.678  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.402 | 63  | 225170 | 9.289  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.826 | 43  | 647632 | 9.789  | ppbv   | 100    |
| 26) Hexane                    | 2.819 | 57  | 258251 | 10.147 | ppbv   | 100    |
| 27) Carbon Disulfide          | 2.146 | 76  | 283466 | 9.434  | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.434 | 73  | 147013 | 9.230  | ppbv   | 99     |
| 29) Chloroform                | 2.842 | 83  | 402053 | 9.266  | ppbv   | 100    |
| 30) Cyclohexane               | 3.845 | 84  | 213947 | 10.230 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.712 | 61  | 247932 | 9.477  | ppbv   | 95     |
| 32) 1,1,1-Trichloroethane     | 3.360 | 97  | 392565 | 9.309  | ppbv   | 99     |
| 34) 2-Butanone                | 2.547 | 43  | 347648 | 9.530  | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.751 | 117 | 414732 | 9.377  | ppbv   | 96     |
| 36) Benzene                   | 3.648 | 78  | 513451 | 9.997  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.208 | 62  | 296234 | 9.738  | ppbv   | 100    |
| 38) Trichloroethene           | 4.535 | 130 | 213507 | 9.979  | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 4.302 | 63  | 185321 | 9.734  | ppbv   | 96     |
| 40) 1,4-Dioxane               | 4.564 | 88  | 80157  | 9.816  | ppbv # | 96     |
| 41) Tetrahydrofuran           | 3.043 | 42  | 199341 | 10.573 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.473 | 83  | 422079 | 9.826  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.862 | 69  | 185044 | 10.853 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.625 | 57  | 871720 | 10.577 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.399 | 75  | 157655 | 10.104 | ppbv   | 97     |

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Quant Time: Oct 07 01:33:20 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2

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

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.583  | 75   | 228082   | 10.375 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 6.561  | 97   | 201822   | 9.530  | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.373  | 129  | 341429   | 9.879  | ppbv   | 100      |
| 49) Bromoform                 | 9.474  | 173  | 279106   | 9.669  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.726  | 43   | 489303   | 11.000 | ppbv   | 98       |
| 51) 2-Hexanone                | 7.419  | 43   | 361924   | 11.431 | ppbv # | 97       |
| 52) Tetrachloroethene         | 8.215  | 164  | 178891   | 9.406  | ppbv   | 100      |
| 53) Toluene                   | 6.917  | 91   | 563494   | 10.867 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.639  | 107  | 248606   | 9.905  | ppbv   | 92       |
| 56) 1,1,1,2-Tetrachloroethane | 8.914  | 131  | 264054   | 9.687  | ppbv   | 99       |
| 57) Chlorobenzene             | 8.911  | 112  | 456710   | 9.661  | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.344  | 91   | 767600   | 11.080 | ppbv   | 98       |
| 59) m/p-Xylene                | 9.542  | 91   | 1275234m | 21.824 | ppbv   |          |
| 60) o-Xylene                  | 9.956  | 91   | 632243   | 10.862 | ppbv   | 98       |
| 61) Styrene                   | 9.862  | 104  | 275280   | 11.289 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.532 | 105  | 945764   | 10.584 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.953  | 83   | 373448   | 8.943  | ppbv   | 99       |
| 64) n-propylbenzene           | 10.982 | 120  | 246252   | 10.773 | ppbv   | 99       |
| 65) tert-Butylbenzene         | 11.523 | 119  | 829195   | 10.427 | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.607 | 91   | 28281    | 9.305  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.759 | 105  | 1139275  | 10.266 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.917 | 119  | 953493   | 10.562 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.274 | 91   | 920477   | 10.590 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.891 | 91   | 679459   | 10.507 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.118 | 105  | 752627   | 10.863 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.196 | 105  | 630941   | 10.527 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.529 | 105  | 702152   | 10.380 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 11.600 | 146  | 409449   | 9.307  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.665 | 146  | 401258   | 9.565  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.940 | 146  | 389675   | 8.892  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.872 | 225  | 292520   | 9.580  | ppbv   | 99       |
| 79) Naphthalene               | 13.503 | 128  | 548561   | 9.592  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.449 | 142  | 207324   | 7.891  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.432 | 180  | 312207   | 11.975 | ppbv   | 99       |

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

