

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061625\  
 Data File : VL042624.D  
 Acq On : 16 Jun 2025 10:29  
 Operator : SY/MD  
 Sample : VL0616ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/17/2025  
 Supervised By : Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:03:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 107046   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 286719   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 259461   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 199109 10.237 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 136670 | 10.388 | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 174546 | 9.633  | ppbv   | 98     |
| 4) Chloromethane              | 1.534 | 50  | 51156  | 9.819  | ppbv   | 98     |
| 5) Vinyl Chloride             | 1.580 | 62  | 48533  | 9.145  | ppbv   | 100    |
| 6) Bromomethane               | 1.667 | 94  | 24091  | 9.326  | ppbv   | 94     |
| 7) Chloroethane               | 1.703 | 64  | 19971  | 9.685  | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 112219 | 10.237 | ppbv   | 100    |
| 9) Propene                    | 1.483 | 41  | 69909  | 9.581  | ppbv   | 99     |
| 10) Heptane                   | 4.978 | 43  | 197588 | 9.606  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 140074 | 11.443 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 109502 | 11.392 | ppbv   | 98     |
| 13) Ethanol                   | 1.722 | 45  | 5871   | 6.751  | ppbv   | 96     |
| 14) Bromoethene               | 1.780 | 108 | 38439  | 10.631 | ppbv   | 96     |
| 15) Acetone                   | 1.835 | 43  | 114754 | 8.900  | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 56873  | 9.311  | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 137548 | 10.240 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 45907  | 10.304 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 75945  | 9.852  | ppbv   | 100    |
| 20) Methylene Chloride        | 2.062 | 84  | 39509  | 9.285  | ppbv   | 98     |
| 21) Allyl Chloride            | 2.094 | 41  | 90040  | 9.897  | ppbv   | 94     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 52622  | 10.574 | ppbv   | 100    |
| 23) Vinyl Acetate             | 2.463 | 43  | 212830 | 12.211 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 108253 | 10.572 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.832 | 43  | 348882 | 9.887  | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 149725 | 9.338  | ppbv   | 96     |
| 27) Carbon Disulfide          | 2.149 | 76  | 132478 | 10.763 | ppbv # | 92     |
| 28) Methyl tert-Butyl Ether   | 2.437 | 73  | 66546  | 10.228 | ppbv   | 98     |
| 29) Chloroform                | 2.848 | 83  | 210668 | 10.104 | ppbv   | 99     |
| 30) Cyclohexane               | 3.855 | 84  | 122467 | 9.213  | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 147213 | 10.037 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 207491 | 9.740  | ppbv   | 98     |
| 34) 2-Butanone                | 2.554 | 43  | 226773 | 11.091 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 210222 | 11.107 | ppbv   | 99     |
| 36) Benzene                   | 3.658 | 78  | 304362 | 10.780 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 163904 | 11.680 | ppbv   | 99     |
| 38) Trichloroethene           | 4.548 | 130 | 122527 | 10.210 | ppbv   | 88     |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 110459 | 10.579 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 48307  | 10.339 | ppbv # | 90     |
| 41) Tetrahydrofuran           | 3.052 | 42  | 128060 | 10.699 | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.489 | 83  | 232526 | 11.667 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 114782 | 10.474 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.638 | 57  | 514353 | 10.650 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 132193 | 10.542 | ppbv   | 98     |

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 Sample : VL0616ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025  
 Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:03:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.596  | 75   | 166004   | 10.565 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.580  | 97   | 116650   | 10.792 | ppbv   | 94       |
| 48) Dibromochloromethane      | 7.389  | 129  | 187227   | 10.821 | ppbv   | 100      |
| 49) Bromoform                 | 9.487  | 173  | 161902   | 10.844 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.752  | 43   | 309608   | 10.917 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 247186   | 10.989 | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.225  | 164  | 102638   | 9.728  | ppbv   | 97       |
| 53) Toluene                   | 6.936  | 91   | 337046   | 10.328 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 170053   | 10.630 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 140643   | 10.780 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.920  | 112  | 264897   | 10.515 | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.357  | 91   | 467998   | 10.634 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.552  | 91   | 746933m  | 21.566 | ppbv   |          |
| 60) o-Xylene                  | 9.966  | 91   | 369758   | 10.704 | ppbv   | 98       |
| 61) Styrene                   | 9.872  | 104  | 169386   | 10.371 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 541625   | 10.613 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 235113   | 10.704 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.989 | 120  | 141765   | 10.363 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 469290   | 10.134 | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.617 | 91   | 54970    | 9.221  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 671931   | 10.320 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 556052   | 10.198 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 573365   | 10.653 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 410090   | 10.535 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 454234   | 10.547 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 377709   | 10.597 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 411337   | 10.399 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 257115   | 10.351 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 259390   | 10.470 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 250092   | 10.374 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 182353   | 9.142  | ppbv   | 99       |
| 79) Naphthalene               | 13.513 | 128  | 404428   | 10.847 | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 199834   | 11.863 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 210333   | 10.105 | ppbv   | 98       |

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

