

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111825\  
 Data File : VL043206.D  
 Acq On : 18 Nov 2025 11:10  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025  
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 102795   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 278732   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.872 | 117  | 227998   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 167061 9.996 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 15474  | 1.067 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 14437  | 1.013 | ppbv # | 92     |
| 4) Chloromethane              | 1.531 | 50  | 5751   | 1.061 | ppbv   | 92     |
| 5) Vinyl Chloride             | 1.580 | 62  | 5967   | 1.007 | ppbv   | 95     |
| 6) Bromomethane               | 1.667 | 94  | 3104   | 1.080 | ppbv   | 94     |
| 7) Chloroethane               | 1.706 | 64  | 2550   | 1.104 | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 12759  | 1.058 | ppbv   | 98     |
| 9) Propene                    | 1.483 | 41  | 6147   | 0.929 | ppbv # | 1      |
| 10) Heptane                   | 4.972 | 43  | 18544  | 1.022 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 15571  | 1.108 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 11743  | 1.071 | ppbv   | 99     |
| 13) Ethanol                   | 1.719 | 45  | 2373   | 1.115 | ppbv   | 67     |
| 14) Bromoethene               | 1.780 | 108 | 4345   | 1.033 | ppbv # | 91     |
| 15) Acetone                   | 1.835 | 43  | 16353  | 1.145 | ppbv   | 90     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 6469   | 1.016 | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 20703  | 1.104 | ppbv # | 92     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 5447   | 1.067 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 8849   | 1.097 | ppbv # | 43     |
| 20) Methylene Chloride        | 2.059 | 84  | 7297   | 1.030 | ppbv   | 85     |
| 21) Allyl Chloride            | 2.094 | 41  | 9198   | 0.957 | ppbv # | 84     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 6313   | 1.082 | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.460 | 43  | 16779  | 0.973 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.405 | 63  | 12062  | 1.071 | ppbv   | 94     |
| 25) Ethyl Acetate             | 2.832 | 43  | 32108  | 1.041 | ppbv   | 98     |
| 26) Hexane                    | 2.819 | 57  | 14639  | 1.084 | ppbv   | 99     |
| 27) Carbon Disulfide          | 2.149 | 76  | 14637  | 1.062 | ppbv # | 30     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 7236   | 1.092 | ppbv # | 83     |
| 29) Chloroform                | 2.845 | 83  | 19509  | 1.016 | ppbv   | 91     |
| 30) Cyclohexane               | 3.852 | 84  | 12269  | 1.084 | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 2.716 | 61  | 13889  | 1.035 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.363 | 97  | 20745  | 1.005 | ppbv   | 99     |
| 34) 2-Butanone                | 2.554 | 43  | 20940  | 1.064 | ppbv   | 96     |
| 35) Carbon Tetrachloride      | 3.758 | 117 | 21497  | 1.016 | ppbv   | 96     |
| 36) Benzene                   | 3.648 | 78  | 27911  | 1.046 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.214 | 62  | 16159  | 1.035 | ppbv   | 99     |
| 38) Trichloroethene           | 4.538 | 130 | 10809m | 1.033 | ppbv   |        |
| 39) 1,2-Dichloropropane       | 4.311 | 63  | 10147  | 1.039 | ppbv   | 91     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 4616m  | 1.051 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.052 | 42  | 11176  | 1.029 | ppbv   | 96     |
| 42) Bromodichloromethane      | 4.480 | 83  | 22150  | 1.028 | ppbv # | 98     |
| 43) Methyl Methacrylate       | 4.871 | 69  | 14821  | 1.046 | ppbv   | 94     |
| 44) 2,2,4-Trimethylpentane    | 4.632 | 57  | 49203m | 1.073 | ppbv   |        |
| 45) t-1,3-Dichloropropene     | 6.402 | 75  | 13149m | 0.996 | ppbv   |        |

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 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.590  | 75   | 15527    | 1.001 | ppbv # | 95       |
| 47) 1,1,2-Trichloroethane     | 6.577  | 97   | 10369    | 0.995 | ppbv # | 85       |
| 48) Dibromochloromethane      | 7.377  | 129  | 18560    | 1.041 | ppbv   | 93       |
| 49) Bromoform                 | 9.477  | 173  | 15858    | 1.004 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.745  | 43   | 29560    | 1.067 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.428  | 43   | 22438    | 1.043 | ppbv # | 98       |
| 52) Tetrachloroethene         | 8.215  | 164  | 10080    | 1.015 | ppbv   | 90       |
| 53) Toluene                   | 6.923  | 91   | 32951    | 1.036 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.645  | 107  | 15865    | 1.040 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.917  | 131  | 17535    | 1.046 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.914  | 112  | 24806    | 1.060 | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.344  | 91   | 46455    | 1.059 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.545  | 91   | 73461m   | 2.080 | ppbv   |          |
| 60) o-Xylene                  | 9.956  | 91   | 37054    | 1.054 | ppbv   | 97       |
| 61) Styrene                   | 9.866  | 104  | 15730    | 1.023 | ppbv   | 95       |
| 62) Isopropylbenzene          | 10.532 | 105  | 67163    | 1.068 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.956  | 83   | 23083    | 1.035 | ppbv   | 97       |
| 64) n-propylbenzene           | 10.985 | 120  | 17289    | 1.070 | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.526 | 119  | 61258    | 1.091 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.610 | 91   | 5729     | 1.005 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 11.762 | 105  | 84989    | 1.084 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.921 | 119  | 69993    | 1.054 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.277 | 91   | 69323    | 1.076 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.895 | 91   | 51452    | 1.065 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.118 | 105  | 44403    | 1.037 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.199 | 105  | 38350    | 1.068 | ppbv   | 91       |
| 74) 1,2,4-Trimethylbenzene    | 11.532 | 105  | 42051    | 1.073 | ppbv # | 81       |
| 75) 1,3-Dichlorobenzene       | 11.600 | 146  | 24011    | 1.050 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.665 | 146  | 23543    | 1.029 | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 11.940 | 146  | 24248    | 1.103 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 20489    | 1.116 | ppbv   | 99       |
| 79) Naphthalene               | 13.507 | 128  | 36462    | 1.047 | ppbv   | 95       |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 7375     | 0.807 | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene    | 13.436 | 180  | 15785    | 1.014 | ppbv   | 98       |

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

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