

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091825\  
 Data File : VL042939.D  
 Acq On : 18 Sep 2025 09:38  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Sep 19 01:21:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025  
 QLast Update : Thu Sep 18 02:57:46 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 157654   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 416196   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 350205   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds  
 68) 1-Bromo-4-Fluorobenzene 10.383 95 287353 10.498 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

| Target Compounds              | Qvalue |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.502  | 85  | 223802 | 9.938  | ppbv   | 98  |
| 3) Chlorodifluoromethane      | 1.476  | 51  | 244077 | 10.294 | ppbv   | 100 |
| 4) Chloromethane              | 1.534  | 50  | 85553  | 9.453  | ppbv   | 98  |
| 5) Vinyl Chloride             | 1.583  | 62  | 77985  | 9.134  | ppbv   | 95  |
| 6) Bromomethane               | 1.670  | 94  | 28462  | 9.593  | ppbv   | 99  |
| 7) Chloroethane               | 1.706  | 64  | 31268  | 9.943  | ppbv   | 92  |
| 8) Dichlorotetrafluoroethane  | 1.557  | 85  | 175256 | 9.809  | ppbv   | 100 |
| 9) Propene                    | 1.486  | 41  | 97529  | 11.264 | ppbv   | 98  |
| 10) Heptane                   | 4.988  | 43  | 256082 | 11.936 | ppbv   | 99  |
| 11) Trichlorofluoromethane    | 1.881  | 101 | 212480 | 9.551  | ppbv   | 97  |
| 12) 1,1,2-Trichlorotrifluo... | 2.143  | 101 | 163856 | 9.428  | ppbv   | 97  |
| 13) Ethanol                   | 1.725  | 45  | 6145   | 6.961  | ppbv   | 93  |
| 14) Bromoethene               | 1.784  | 108 | 57603  | 9.303  | ppbv   | 98  |
| 15) Acetone                   | 1.839  | 43  | 154852 | 7.997  | ppbv   | 98  |
| 16) 1,3-Butadiene             | 1.612  | 39  | 79708  | 9.840  | ppbv   | 98  |
| 17) tert-Butyl alcohol        | 2.042  | 59  | 188621 | 10.116 | ppbv   | 98  |
| 18) 1,1-Dichloroethene        | 2.039  | 96  | 73857  | 9.708  | ppbv   | 96  |
| 19) Isopropyl Alcohol         | 1.890  | 45  | 99740  | 9.607  | ppbv # | 1   |
| 20) Methylene Chloride        | 2.065  | 84  | 66946  | 7.941  | ppbv   | 96  |
| 21) Allyl Chloride            | 2.101  | 41  | 128419 | 9.783  | ppbv   | 100 |
| 22) trans-1,2-Dichloroethene  | 2.343  | 96  | 84863  | 9.842  | ppbv   | 99  |
| 23) Vinyl Acetate             | 2.466  | 43  | 245936 | 10.931 | ppbv   | 98  |
| 24) 1,1-Dichloroethane        | 2.411  | 63  | 167836 | 9.854  | ppbv   | 98  |
| 25) Ethyl Acetate             | 2.842  | 43  | 459524 | 11.113 | ppbv   | 100 |
| 26) Hexane                    | 2.832  | 57  | 205167 | 11.562 | ppbv   | 98  |
| 27) Carbon Disulfide          | 2.156  | 76  | 213658 | 9.762  | ppbv   | 98  |
| 28) Methyl tert-Butyl Ether   | 2.444  | 73  | 93883  | 9.628  | ppbv   | 98  |
| 29) Chloroform                | 2.855  | 83  | 299404 | 10.322 | ppbv   | 99  |
| 30) Cyclohexane               | 3.865  | 84  | 167350 | 12.518 | ppbv   | 100 |
| 31) cis-1,2-Dichloroethene    | 2.725  | 61  | 194977 | 11.254 | ppbv   | 98  |
| 32) 1,1,1-Trichloroethane     | 3.376  | 97  | 278380 | 10.257 | ppbv   | 100 |
| 34) 2-Butanone                | 2.560  | 43  | 290768 | 10.777 | ppbv   | 98  |
| 35) Carbon Tetrachloride      | 3.771  | 117 | 285378 | 9.646  | ppbv   | 94  |
| 36) Benzene                   | 3.664  | 78  | 399269 | 10.998 | ppbv   | 97  |
| 37) 1,2-Dichloroethane        | 3.224  | 62  | 224589 | 10.330 | ppbv   | 99  |
| 38) Trichloroethene           | 4.557  | 130 | 168064 | 10.227 | ppbv   | 95  |
| 39) 1,2-Dichloropropane       | 4.324  | 63  | 151824 | 10.348 | ppbv   | 96  |
| 40) 1,4-Dioxane               | 4.593  | 88  | 55603  | 10.678 | ppbv # | 96  |
| 41) Tetrahydrofuran           | 3.059  | 42  | 160226 | 12.000 | ppbv   | 99  |
| 42) Bromodichloromethane      | 4.499  | 83  | 320875 | 10.284 | ppbv   | 97  |
| 43) Methyl Methacrylate       | 4.891  | 69  | 148839 | 12.245 | ppbv   | 99  |
| 44) 2,2,4-Trimethylpentane    | 4.651  | 57  | 694671 | 11.472 | ppbv   | 99  |
| 45) t-1,3-Dichloropropene     | 6.428  | 75  | 153654 | 11.989 | ppbv   | 97  |

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 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

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

Quant Time: Sep 19 01:21:56 2025

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

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

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

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.612  | 75   | 208635   | 11.808 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.596  | 97   | 157128   | 10.503 | ppbv   | 98       |
| 48) Dibromochloromethane      | 7.396  | 129  | 244295   | 10.426 | ppbv   | 100      |
| 49) Bromoform                 | 9.493  | 173  | 196187   | 10.728 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 392734   | 12.175 | ppbv   | 100      |
| 51) 2-Hexanone                | 7.444  | 43   | 306892   | 12.811 | ppbv   | 100      |
| 52) Tetrachloroethene         | 8.234  | 164  | 116819   | 10.435 | ppbv   | 94       |
| 53) Toluene                   | 6.946  | 91   | 426986   | 12.613 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 211227   | 10.975 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 180285   | 10.105 | ppbv   | 97       |
| 57) Chlorobenzene             | 8.933  | 112  | 338397   | 10.455 | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.364  | 91   | 581778   | 12.894 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.561  | 91   | 971576m  | 25.483 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 491310   | 12.961 | ppbv   | 99       |
| 61) Styrene                   | 9.878  | 104  | 200245   | 10.204 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.548 | 105  | 691261   | 12.519 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 275929   | 10.076 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.995 | 120  | 178404   | 12.461 | ppbv   | 99       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 607057   | 12.865 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.623 | 91   | 56239    | 12.827 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 896962   | 12.495 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 726503   | 13.132 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.286 | 91   | 766822   | 10.360 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 522845   | 12.761 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 585141   | 10.212 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 480708   | 12.818 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 555055   | 12.594 | ppbv # | 85       |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 315272   | 11.284 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 314779   | 11.710 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 310827   | 11.026 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 176944   | 9.828  | ppbv   | 99       |
| 79) Naphthalene               | 13.520 | 128  | 452592   | 9.778  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 115977   | 8.078  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 221727   | 9.972  | ppbv   | 99       |

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

