

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082625\  
 Data File : VL042886.D  
 Acq On : 26 Aug 2025 15:50  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Aug 27 01:12:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0   | 90    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.119 | -1.2  | 99    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 10.623 | -6.2  | 103   | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.586  | 4.1   | 96    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.389  | 6.1   | 98    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.046  | 9.5   | 94    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.730  | 2.7   | 99    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.168 | -1.7  | 98    | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.709  | 2.9   | 93    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.756  | 2.4   | 96    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.732  | 2.7   | 100   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.933  | 0.7   | 98    | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.570  | 14.3  | 106   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.862  | 1.4   | 97    | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.260  | 17.4  | 104   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.066  | 9.3   | 98    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 8.481  | 15.2  | 87    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.104 | -1.0  | 98    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.681  | 13.2  | 95    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.009  | 19.9  | 97    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.624  | 3.8   | 95    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.865  | 1.3   | 97    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 10.075 | -0.7  | 99    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.716  | 2.8   | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 10.186 | -1.9  | 100   | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.973  | 0.3   | 95    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.013 | -0.1  | 99    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.221  | 7.8   | 95    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 10.528 | -5.3  | 104   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.467  | 5.3   | 91    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.095 | -1.0  | 100   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.824  | 1.8   | 99    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 83    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 10.839 | -8.4  | 100   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 11.060 | -10.6 | 100   | 0.00     |
| 36 T | Benzene                     | 10.000 | 10.767 | -7.7  | 94    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 12.029 | -20.3 | 104   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.931  | 0.7   | 91    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.893 | -8.9  | 98    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.928  | 0.7   | 92    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.899 | -9.0  | 96    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 11.437 | -14.4 | 100   | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.187 | -1.9  | 91    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 10.718 | -7.2  | 96    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.033 | -0.3  | 87    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 10.570 | -5.7  | 90    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 10.861 | -8.6  | 98    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 10.808 | -8.1  | 92    | 0.00     |

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

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Aug 27 01:12:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
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 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|---------------------------|--------|--------|-------|-------|----------|
| 49 T | Bromoform                 | 10.000 | 10.576 | -5.8  | 89    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.836 | -8.4  | 93    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 10.965 | -9.6  | 94    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 9.140  | 8.6   | 84    | 0.00     |
| 53 T | Toluene                   | 10.000 | 10.205 | -2.1  | 90    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 10.696 | -7.0  | 95    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 79    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 10.753 | -7.5  | 93    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 10.688 | -6.9  | 92    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 10.635 | -6.3  | 91    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 21.851 | -9.3  | 93    | 0.02     |
| 60 T | o-Xylene                  | 10.000 | 10.751 | -7.5  | 94    | 0.00     |
| 61 T | Styrene                   | 10.000 | 10.036 | -0.4  | 85    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 10.625 | -6.3  | 93    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.974 | -9.7  | 99    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 10.480 | -4.8  | 91    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 10.352 | -3.5  | 92    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 7.178  | 28.2  | 57    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 10.752 | -7.5  | 95    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.398 | -4.0  | 82    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 10.179 | -1.8  | 92    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 11.028 | -10.3 | 97    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 10.638 | -6.4  | 94    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.860 | -8.6  | 93    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.526 | -5.3  | 93    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 10.669 | -6.7  | 96    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 10.766 | -7.7  | 92    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 10.436 | -4.4  | 90    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.497 | -5.0  | 93    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.016  | 19.8  | 80    | 0.00     |
| 79 T | Naphthalene               | 10.000 | 10.287 | -2.9  | 89    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 8.148  | 18.5  | 72    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 9.892  | 1.1   | 85    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0