

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092425\  
 Data File : VL043001.D  
 Acq On : 24 Sep 2025 09:03  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Sep 25 01:50:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 23 02:39:16 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   | 87    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.909 | -9.1  | 103   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 10.161 | -1.6  | 94    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.721  | 2.8   | 92    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.528  | 4.7   | 97    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 10.217 | -2.2  | 105   | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.757  | 2.4   | 93    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.590 | -5.9  | 101   | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.466  | 15.3  | 79    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.321  | 6.8   | 85    | 0.01     |
| 11 T | Trichlorofluoromethane      | 10.000 | 11.500 | -15.0 | 109   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 11.286 | -12.9 | 107   | 0.00     |
| 13   | Ethanol                     | 10.000 | 6.390  | 36.1# | 74    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 10.873 | -8.7  | 104   | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.416  | 15.8  | 96    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.054  | 9.5   | 93    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 8.671  | 13.3  | 80    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.581 | -5.8  | 101   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.178  | 8.2   | 87    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 11.743 | -17.4 | 102   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.758  | 2.4   | 90    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.660 | -6.6  | 101   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 9.121  | 8.8   | 93    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 10.345 | -3.5  | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.642  | 3.6   | 88    | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.314  | 6.9   | 87    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.171 | -1.7  | 94    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.867  | 1.3   | 105   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 11.162 | -11.6 | 103   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.621  | 3.8   | 88    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.802  | 2.0   | 89    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.128 | -1.3  | 98    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 84    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.892  | 1.1   | 89    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 12.023 | -20.2 | 108   | 0.00     |
| 36 T | Benzene                     | 10.000 | 10.132 | -1.3  | 89    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 11.163 | -11.6 | 99    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 10.414 | -4.1  | 96    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.375 | -3.8  | 92    | 0.01     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.512  | 4.9   | 86    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.453  | 5.5   | 82    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 11.374 | -13.7 | 97    | 0.01     |
| 43   | Methyl Methacrylate         | 10.000 | 9.196  | 8.0   | 81    | 0.01     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 10.003 | -0.0  | 87    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 9.161  | 8.4   | 77    | 0.01     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 9.507  | 4.9   | 80    | 0.01     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 10.694 | -6.9  | 95    | 0.01     |
| 48 T | Dibromochloromethane        | 10.000 | 11.758 | -17.6 | 100   | 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: Sep 25 01:50:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 23 02:39:16 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 | 12.414 | -24.1 | 104   | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 9.885  | 1.2   | 84    | 0.01     |
| 51 T | 2-Hexanone                | 10.000 | 9.893  | 1.1   | 83    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 10.736 | -7.4  | 101   | 0.01     |
| 53 T | Toluene                   | 10.000 | 9.928  | 0.7   | 86    | 0.01     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 10.814 | -8.1  | 95    | 0.01     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 83    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 11.828 | -18.3 | 102   | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 11.044 | -10.4 | 98    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 10.281 | -2.8  | 89    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 21.119 | -5.6  | 92    | 0.03     |
| 60 T | o-Xylene                  | 10.000 | 10.775 | -7.8  | 94    | 0.00     |
| 61 T | Styrene                   | 10.000 | 9.879  | 1.2   | 83    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 10.600 | -6.0  | 94    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.712 | -7.1  | 99    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 11.048 | -10.5 | 97    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 10.966 | -9.7  | 100   | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 6.307  | 36.9# | 48    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 10.819 | -8.2  | 98    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.347 | -3.5  | 84    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 11.108 | -11.1 | 100   | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 11.045 | -10.4 | 96    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 10.452 | -4.5  | 92    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.736 | -7.4  | 94    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.943 | -9.4  | 94    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 11.077 | -10.8 | 98    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 11.719 | -17.2 | 103   | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 11.761 | -17.6 | 103   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 11.867 | -18.7 | 106   | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 12.814 | -28.1 | 123   | 0.00     |
| 79 T | Naphthalene               | 10.000 | 11.757 | -17.6 | 91    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 9.647  | 3.5   | 79    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 12.808 | -28.1 | 101   | 0.00     |

(#) = Out of Range

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