

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060525\  
 Data File : VL042614.D  
 Acq On : 05 Jun 2025 08:55  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jun 06 01:34:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 02:01:56 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   | 99    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.744  | 2.6   | 104   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.376  | 6.2   | 106   | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.507  | 4.9   | 99    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.839  | 11.6  | 99    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.971  | 10.3  | 99    | 0.00     |
| 7    | Chloroethane                | 10.000 | 8.851  | 11.5  | 97    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.516  | 4.8   | 102   | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.162  | 8.4   | 95    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.084  | 9.2   | 97    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 10.136 | -1.4  | 107   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.368  | 6.3   | 99    | 0.00     |
| 13   | Ethanol                     | 10.000 | 5.640  | 43.6# | 78    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.670  | 3.3   | 102   | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.077  | 19.2  | 104   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 8.759  | 12.4  | 101   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 8.980  | 10.2  | 90    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.257  | 7.4   | 101   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.766  | 12.3  | 95    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.295  | 17.1  | 100   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.083  | 9.2   | 97    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.346  | 6.5   | 101   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 11.186 | -11.9 | 124   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.350  | 6.5   | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.515  | 4.8   | 102   | 0.00     |
| 26 T | Hexane                      | 10.000 | 8.920  | 10.8  | 98    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 9.413  | 5.9   | 100   | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 8.907  | 10.9  | 97    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.882  | 1.2   | 108   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 8.874  | 11.3  | 95    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.720  | 2.8   | 104   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.580  | 4.2   | 105   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 87    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 10.763 | -7.6  | 102   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 11.243 | -12.4 | 107   | 0.00     |
| 36 T | Benzene                     | 10.000 | 10.506 | -5.1  | 100   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 11.684 | -16.8 | 111   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.919  | 0.8   | 96    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.406 | -4.1  | 100   | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.149 | -1.5  | 95    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.303 | -3.0  | 97    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 11.678 | -16.8 | 108   | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.402 | -4.0  | 95    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 10.417 | -4.2  | 100   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.373 | -3.7  | 93    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 10.491 | -4.9  | 95    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 10.467 | -4.7  | 100   | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 10.765 | -7.7  | 99    | 0.00     |

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

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jun 06 01:34:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
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 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 | 10.749 | -7.5  | 96    | 0.00     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 10.572 | -5.7  | 95    | 0.00     |
| 51 T  | 2-Hexanone                | 10.000 | 10.845 | -8.5  | 95    | 0.00     |
| 52 T  | Tetrachloroethene         | 10.000 | 9.537  | 4.6   | 92    | 0.00     |
| 53 T  | Toluene                   | 10.000 | 10.114 | -1.1  | 95    | 0.00     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 10.732 | -7.3  | 101   | 0.00     |
|       |                           |        |        |       |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 85    | 0.00     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 10.777 | -7.8  | 99    | 0.00     |
| 57 T  | Chlorobenzene             | 10.000 | 10.154 | -1.5  | 96    | 0.00     |
| 58 T  | Ethyl Benzene             | 10.000 | 10.408 | -4.1  | 97    | 0.00     |
| 59 T  | m/p-Xylene                | 20.000 | 21.165 | -5.8  | 99    | 0.02     |
| 60 T  | o-Xylene                  | 10.000 | 10.552 | -5.5  | 100   | 0.00     |
| 61 T  | Styrene                   | 10.000 | 9.999  | 0.0   | 91    | 0.00     |
| 62    | Isopropylbenzene          | 10.000 | 10.274 | -2.7  | 97    | 0.00     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 10.389 | -3.9  | 103   | 0.00     |
| 64    | n-propylbenzene           | 10.000 | 10.232 | -2.3  | 97    | 0.00     |
| 65    | tert-Butylbenzene         | 10.000 | 10.044 | -0.4  | 97    | 0.00     |
| 66 T  | Benzyl Chloride           | 10.000 | 9.629  | 3.7   | 78    | 0.00     |
| 67    | sec-Butylbenzene          | 10.000 | 10.131 | -1.3  | 98    | 0.00     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.540 | -5.4  | 90    | 0.00     |
| 69    | p-Isopropyltoluene        | 10.000 | 10.098 | -1.0  | 96    | 0.00     |
| 70    | n-Butylbenzene            | 10.000 | 10.505 | -5.1  | 100   | 0.00     |
| 71    | 2-Chlorotoluene           | 10.000 | 10.325 | -3.2  | 98    | 0.00     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 10.393 | -3.9  | 99    | 0.00     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 10.277 | -2.8  | 97    | 0.00     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 10.280 | -2.8  | 100   | 0.00     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 10.207 | -2.1  | 99    | 0.00     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 10.274 | -2.7  | 98    | 0.00     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 10.041 | -0.4  | 99    | 0.00     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 8.880  | 11.2  | 96    | 0.00     |
| 79 T  | Naphthalene               | 10.000 | 10.671 | -6.7  | 94    | 0.00     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 11.640 | -16.4 | 90    | 0.00     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 10.020 | -0.2  | 93    | 0.00     |
| ----- |                           |        |        |       |       |          |

(#) = Out of Range

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