

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021025\  
 Data File : VL041977.D  
 Acq On : 10 Feb 2025 08:32  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Feb 11 01:18:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 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   | 101   | -0.02    |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.762  | 2.4   | 104   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 10.687 | -6.9  | 116   | 0.00     |
| 4    | Chloromethane               | 10.000 | 11.036 | -10.4 | 116   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 10.403 | -4.0  | 117   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 10.113 | -1.1  | 111   | 0.00     |
| 7    | Chloroethane                | 10.000 | 10.848 | -8.5  | 115   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.137 | -1.4  | 112   | 0.00     |
| 9 T  | Propene                     | 10.000 | 10.328 | -3.3  | 108   | 0.00     |
| 10 T | Heptane                     | 10.000 | 11.162 | -11.6 | 116   | -0.04    |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.685  | 3.1   | 104   | -0.01    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 10.154 | -1.5  | 108   | -0.01    |
| 13   | Ethanol                     | 10.000 | 7.041  | 29.6  | 113   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.292  | 7.1   | 103   | 0.00     |
| 15 T | Acetone                     | 10.000 | 9.736  | 2.6   | 119   | -0.01    |
| 16 T | 1,3-Butadiene               | 10.000 | 10.506 | -5.1  | 116   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.210  | 7.9   | 99    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.856  | 1.4   | 109   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.066  | 9.3   | 105   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 9.231  | 7.7   | 114   | -0.01    |
| 21 T | Allyl Chloride              | 10.000 | 10.595 | -6.0  | 113   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.000 | 0.0   | 106   | -0.01    |
| 23 T | Vinyl Acetate               | 10.000 | 10.649 | -6.5  | 119   | -0.01    |
| 24 T | 1,1-Dichloroethane          | 10.000 | 10.326 | -3.3  | 112   | -0.02    |
| 25 T | Ethyl Acetate               | 10.000 | 11.152 | -11.5 | 118   | -0.02    |
| 26 T | Hexane                      | 10.000 | 10.788 | -7.9  | 111   | -0.02    |
| 27 T | Carbon Disulfide            | 10.000 | 10.873 | -8.7  | 111   | -0.01    |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 7.595  | 24.1  | 97    | -0.02    |
| 29 T | Chloroform                  | 10.000 | 10.702 | -7.0  | 115   | -0.02    |
| 30 T | Cyclohexane                 | 10.000 | 10.338 | -3.4  | 107   | -0.02    |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.857  | 1.4   | 106   | -0.02    |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.374 | -3.7  | 107   | -0.02    |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 91    | -0.03    |
| 34 T | 2-Butanone                  | 10.000 | 12.235 | -22.3 | 118   | -0.02    |
| 35 T | Carbon Tetrachloride        | 10.000 | 12.224 | -22.2 | 108   | -0.03    |
| 36 T | Benzene                     | 10.000 | 11.639 | -16.4 | 110   | -0.02    |
| 37 T | 1,2-Dichloroethane          | 10.000 | 11.375 | -13.8 | 109   | -0.02    |
| 38 T | Trichloroethene             | 10.000 | 11.295 | -13.0 | 106   | -0.03    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 11.659 | -16.6 | 112   | -0.03    |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.838 | -8.4  | 109   | -0.03    |
| 41 T | Tetrahydrofuran             | 10.000 | 12.222 | -22.2 | 111   | -0.02    |
| 42 T | Bromodichloromethane        | 10.000 | 12.008 | -20.1 | 111   | -0.03    |
| 43   | Methyl Methacrylate         | 10.000 | 11.021 | -10.2 | 101   | -0.03    |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 12.276 | -22.8 | 114   | -0.03    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.685 | -6.9  | 92    | -0.03    |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 11.184 | -11.8 | 96    | -0.04    |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 12.122 | -21.2 | 113   | -0.03    |
| 48 T | Dibromochloromethane        | 10.000 | 12.400 | -24.0 | 109   | -0.03    |

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

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Feb 11 01:18:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 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 | 12.611 | -26.1  | 108   | -0.02    |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 12.149 | -21.5  | 116   | -0.04    |
| 51 T | 2-Hexanone                | 10.000 | 12.218 | -22.2  | 114   | -0.03    |
| 52 T | Tetrachloroethene         | 10.000 | 10.738 | -7.4   | 107   | -0.03    |
| 53 T | Toluene                   | 10.000 | 11.526 | -15.3  | 104   | -0.03    |
| 54 T | 1,2-Dibromoethane         | 10.000 | 11.785 | -17.9  | 111   | -0.03    |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 89    | -0.02    |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 12.591 | -25.9  | 116   | -0.03    |
| 57 T | Chlorobenzene             | 10.000 | 12.099 | -21.0  | 117   | -0.03    |
| 58 T | Ethyl Benzene             | 10.000 | 11.805 | -18.0  | 105   | -0.02    |
| 59 T | m/p-Xylene                | 20.000 | 25.112 | -25.6  | 114   | -0.02    |
| 60 T | o-Xylene                  | 10.000 | 12.558 | -25.6  | 113   | -0.02    |
| 61 T | Styrene                   | 10.000 | 12.095 | -21.0  | 102   | -0.02    |
| 62   | Isopropylbenzene          | 10.000 | 12.196 | -22.0  | 112   | -0.02    |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 13.154 | -31.5# | 123   | -0.02    |
| 64   | n-propylbenzene           | 10.000 | 12.657 | -26.6  | 116   | -0.02    |
| 65   | tert-Butylbenzene         | 10.000 | 12.359 | -23.6  | 115   | -0.02    |
| 66 T | Benzyl Chloride           | 10.000 | 11.790 | -17.9  | 99    | -0.02    |
| 67   | sec-Butylbenzene          | 10.000 | 12.393 | -23.9  | 115   | -0.02    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.936  | 0.6    | 89    | -0.02    |
| 69   | p-Isopropyltoluene        | 10.000 | 12.479 | -24.8  | 114   | -0.02    |
| 70   | n-Butylbenzene            | 10.000 | 12.214 | -22.1  | 112   | -0.02    |
| 71   | 2-Chlorotoluene           | 10.000 | 12.105 | -21.1  | 110   | -0.02    |
| 72 T | 4-Ethyltoluene            | 10.000 | 12.544 | -25.4  | 113   | -0.02    |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 12.264 | -22.6  | 113   | -0.02    |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 12.437 | -24.4  | 116   | -0.02    |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 12.270 | -22.7  | 118   | -0.02    |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 12.460 | -24.6  | 118   | -0.02    |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 12.406 | -24.1  | 121   | -0.02    |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 10.054 | -0.5   | 104   | -0.02    |
| 79 T | Naphthalene               | 10.000 | 10.729 | -7.3   | 108   | -0.02    |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 6.315  | 36.8#  | 82    | -0.02    |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 9.811  | 1.9    | 102   | -0.02    |

(#) = Out of Range

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