

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120425\  
 Data File : VN088461.D  
 Acq On : 04 Dec 2025 20:33  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 05 00:22:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.822  | 4.4    | 100   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.401  | 9.2    | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.529  | 4.9#   | 99    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.044  | 9.9    | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.512  | 3.0    | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.641  | 0.7    | 108   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.664  | -5.3   | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.047  | 3.9    | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 41.914  | 16.2   | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.004 | 9.6    | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.252  | 3.5#   | 107   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 297.956 | -19.2  | 117   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.672  | -1.3   | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.015 | -0.4   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 313.072 | -25.2# | 131   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.592  | 8.8    | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.606  | -9.2   | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.274  | -8.5   | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.064  | -0.1   | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.795  | 0.4    | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.264  | -10.5  | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 302.644 | -21.1  | 113   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.393  | -4.8   | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 282.726 | -13.1  | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.884  | 4.2    | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.284  | -2.6   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.286  | -8.6   | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 264.661 | -5.9   | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.924  | -7.8#  | 107   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.136  | 9.7    | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.886  | -3.8   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 58.616  | -17.2  | 114   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.871  | -9.7   | 112   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.394  | 5.2    | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.963  | 2.1    | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.284  | -0.6   | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.914  | 12.2   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.998  | 2.0    | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.537  | -3.1   | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.812  | -7.6   | 108   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.423  | -2.8   | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.581  | 10.8   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.730  | -1.5#  | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.748  | -3.5   | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.288  | -4.6   | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.560  | -7.1   | 105   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 05 00:22:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 809.985 | 19.0  | 78    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.920  | -7.8  | 111   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.144 | -6.5  | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.582  | -3.2# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.537  | -3.1  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.632  | -3.3  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.457  | -2.9  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.371  | -12.7 | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.152  | -4.3  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 279.170 | -11.7 | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 283.261 | -13.3 | 107   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.368  | -4.7  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.054  | -2.1  | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 58.123  | -16.2 | 118   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 39.928  | 20.1  | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.212  | 3.6   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.267  | 1.5   | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.232  | 1.5#  | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.557  | 1.4   | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.046  | 1.9   | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.563  | -7.1  | 108   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.676  | -3.4  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 110   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.225  | 5.5   | 106   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 46.392  | 7.2   | 123   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.501  | 3.0   | 113   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.010  | 6.0   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.225  | 3.5   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.001  | 6.0   | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.976  | 4.0   | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.485  | 3.0   | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.417  | 1.2   | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.863  | 0.3   | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.883  | 6.2   | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.808  | 0.4   | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.024  | 8.0   | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.009  | 6.0   | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.845  | 6.3   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.024  | 8.0   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.718  | 10.6  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.179  | 7.6   | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.914  | 4.2   | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.091  | 5.8   | 104   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 43.986  | 12.0  | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 39.093  | 21.8  | 96    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.089  | 5.8   | 101   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 05 00:22:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 42.918 | 14.2 | 97    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6