

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082925\  
 Data File : VN087693.D  
 Acq On : 29 Aug 2025 12:05  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 29 22:51:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 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   | 82    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.104  | 1.8   | 70    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.147  | -0.3  | 75    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.437  | 1.1#  | 76    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.610  | 2.8   | 77    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 48.960  | 2.1   | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.798  | -1.6  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.475  | 3.0   | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.787  | 2.4   | 80    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.063  | 15.9  | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 247.743 | 0.9   | 78    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.433  | 5.1#  | 80    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 233.240 | 6.7   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.198  | 13.6  | 74    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.601 | 2.6   | 80    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.740 | 11.7  | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.089  | 11.8  | 71    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.745  | -5.5  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.718  | 0.6   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.929  | -1.9  | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.536  | 6.9   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.400  | -0.8  | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.323 | -0.5  | 78    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.807  | 4.4   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 239.282 | 4.3   | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.337  | 9.3   | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.099  | 3.8   | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.395  | 1.2   | 86    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 245.049 | 2.0   | 80    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.319  | -2.6# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.579  | 8.8   | 78    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.426  | 3.1   | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.259  | 3.5   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.455  | 1.1   | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.642  | 6.7   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.426  | 1.1   | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.071  | 1.9   | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.592  | 8.8   | 75    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.567  | 0.9   | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.157  | 1.7   | 79    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.608  | 0.8   | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.398  | -2.8  | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.389  | 3.2   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.715  | 0.6#  | 81    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.915  | 0.2   | 79    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.875  | -1.8  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.783  | -1.6  | 81    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 29 22:51:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 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 | 1190.849 | -19.1 | 88    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.197   | 1.6   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.512  | -6.2  | 82    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.495   | 1.0#  | 79    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.155   | -0.3  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.268   | -0.5  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.687   | -3.4  | 82    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.695   | -7.4  | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.511   | -3.0  | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.972  | -8.0  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 284.835  | -13.9 | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.098   | -4.2  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.364   | -2.7  | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.570   | -1.1  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.955   | 12.1  | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.722   | 6.6   | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.730   | 0.5   | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.059   | 3.9#  | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.046   | 2.0   | 79    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.726   | 0.5   | 80    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.018   | -2.0  | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.760   | -3.5  | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.924   | 6.2   | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.717   | 6.6   | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.509   | 3.0   | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.697   | -5.4  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.974   | 6.1   | 80    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.610   | 4.8   | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.040   | 5.9   | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.034   | 3.9   | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.968   | 0.1   | 83    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.819   | 6.4   | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.855   | 4.3   | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.159   | 1.7   | 82    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.332   | 5.3   | 80    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.687   | 4.6   | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.143   | 5.7   | 82    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.670   | 6.7   | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.499   | 5.0   | 81    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.729   | 2.5   | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.628   | 4.7   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.940   | 6.1   | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.590   | 6.8   | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.412   | 9.2   | 82    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.807   | 4.4   | 82    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 29 22:51:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 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 | 46.124 | 7.8  | 81    | 0.00     |

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