

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071725\  
 Data File : VN087337.D  
 Acq On : 17 Jul 2025 09:51  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 18 01:19:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 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   | 112   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.016  | -10.0 | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.941  | -1.9  | 110   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.178  | -0.4# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.273  | -4.5  | 113   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.049  | -0.1  | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.398  | 3.2   | 104   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.828  | 0.3   | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.541  | -1.1  | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.521  | -3.0  | 121   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 245.211 | 1.9   | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.313  | 7.4#  | 109   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 262.441 | -5.0  | 125   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.750  | 6.5   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 245.124 | 2.0   | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.118 | 2.8   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.811  | 2.4   | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.522  | 7.0   | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.067  | -0.1  | 109   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.402  | 1.2   | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.825  | 4.3   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.865  | -3.7  | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 249.745 | 0.1   | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.994  | 4.0   | 110   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 248.660 | 0.5   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.738  | -7.5  | 119   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.613  | -1.2  | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.187  | -6.4  | 120   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 248.973 | 0.4   | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.917  | 2.2#  | 107   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.641  | 2.7   | 109   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.995  | 4.0   | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.660  | -1.3  | 120   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.861  | -1.7  | 118   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.418  | -2.8  | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.932  | 2.1   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.497  | 1.0   | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.173  | -8.3  | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.898  | -1.8  | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.523  | -5.0  | 110   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.236  | 1.5   | 108   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.190  | -2.4  | 109   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.583  | 2.8   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.859  | 0.3#  | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.047  | 3.9   | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.155  | 1.7   | 109   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.717  | -5.4  | 107   | 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: Jul 18 01:19:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 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 | 1157.364 | -15.7 | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.735   | -5.5  | 119   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 256.240  | -2.5  | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.800   | -3.6# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.979   | -4.0  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.459   | -4.9  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.948   | 2.1   | 108   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.436   | -0.9  | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.961   | -1.9  | 109   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 279.188  | -11.7 | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 273.549  | -9.4  | 106   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.405   | 1.2   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.231   | 1.5   | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.617   | -5.2  | 118   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.000   | 2.0   | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.156   | 1.7   | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.767   | -1.5  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.775   | -3.5# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.138  | -7.1  | 107   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.432   | -6.9  | 107   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.113   | -10.2 | 107   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.751   | -3.5  | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.847   | -9.7  | 110   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.633   | 4.7   | 118   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.558   | 0.9   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.823   | -3.6  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.715   | -3.4  | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.742   | -7.5  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.668   | -3.3  | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.222   | -8.4  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.779   | -17.6 | 129   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.489   | -3.0  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.343   | -12.7 | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.479   | -9.0  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.471   | -6.9  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.987   | -14.0 | 111   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.127   | -0.3  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.014   | 4.0   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.932   | -11.9 | 113   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.138   | -2.3  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.553   | -3.1  | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.674   | 8.7   | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.422   | -4.8  | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.021   | -16.0 | 126   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.064   | -6.1  | 105   | 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: Jul 18 01:19:26 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 17 02:56:13 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 | 53.002 | -6.0 | 111   | 0.00     |

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