

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121025\  
 Data File : VN088487.D  
 Acq On : 10 Dec 2025 10:01  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 11 02:02:25 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    | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.668  | 10.7   | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.966  | 0.1    | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.289  | 7.4#   | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.218  | -0.4   | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.398  | -4.8   | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.714  | 2.6    | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 57.971  | -15.9  | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.263  | 7.5    | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.486  | 9.0    | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.884 | 12.0   | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.741  | 2.5#   | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 225.329 | 9.9    | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.910  | -5.8   | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 282.371 | -12.9  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 262.614 | -5.0   | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.593  | 6.8    | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.987  | -18.0  | 112   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 60.581  | -21.2  | 109   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.019  | -10.0  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.627  | -5.3   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 61.930  | -23.9  | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 341.700 | -36.7# | 122   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 56.959  | -13.9  | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 275.080 | -10.0  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.342  | -10.7  | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 56.471  | -12.9  | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 59.281  | -18.6  | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 291.738 | -16.7  | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 60.015  | -20.0# | 114   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.478  | 9.0    | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.467  | -6.9   | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 64.342  | -28.7# | 119   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 60.227  | -20.5  | 116   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.417  | 3.2    | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.777  | -7.6   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.851  | -3.7   | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.639  | 16.7   | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.236  | -8.5   | 106   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.653  | -11.3  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 61.153  | -22.3  | 116   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.549  | -11.1  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.597  | 2.8    | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.599  | -13.2# | 109   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.624  | -15.2  | 110   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.909  | -15.8  | 112   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 59.358  | -18.7  | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 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 | 877.353 | 12.3   | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 57.239  | -14.5  | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 297.144 | -18.9  | 109   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 57.939  | -15.9# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.372  | -16.7  | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 59.299  | -18.6  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 59.227  | -18.5  | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 62.534  | -25.1# | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 58.951  | -17.9  | 113   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 314.612 | -25.8# | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 301.475 | -20.6  | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.052  | -20.1  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.354  | -14.7  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 60.954  | -21.9  | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 40.913  | 18.2   | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.892  | -5.8   | 110   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.912  | -11.8  | 113   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.048  | -6.1#  | 110   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.094 | -8.1   | 110   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.370  | -8.7   | 111   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.444  | -16.9  | 113   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.142  | -14.3  | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.182  | -2.4   | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 57.688  | -15.4  | 144   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.303  | -12.6  | 123   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.153  | -8.3   | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.015  | -8.0   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.683  | -3.4   | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.203  | -6.4   | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.378  | -4.8   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.465  | -12.9  | 112   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.650  | -13.3  | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.419  | 1.2    | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.045  | -10.1  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.072  | 3.9    | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.550  | 0.9    | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.071  | -6.1   | 112   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.341  | -2.7   | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.841  | 6.3    | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.067  | -0.1   | 108   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.088  | -6.2   | 112   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.048  | -6.1   | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.891  | 4.2    | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.194  | 19.6   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.134  | -0.3   | 100   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 11 02:02:25 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 | 48.076 | 3.8  | 102   | 0.00     |

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