

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111125\  
 Data File : VN088243.D  
 Acq On : 11 Nov 2025 10:06  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 12 01:09:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 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  | 46.009  | 8.0    | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.501  | 5.0    | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.490  | 5.0#   | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.609  | 2.8    | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.050  | 11.9   | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.785  | 10.4   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.628  | -7.3   | 118   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.564  | 2.9    | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.379  | -12.8  | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 269.019 | -7.6   | 113   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.990  | 12.0#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 376.193 | -50.5# | 166   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.199  | -2.4   | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 288.408 | -15.4  | 118   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 289.524 | -15.8  | 129   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.921  | 12.2   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 63.027  | -26.1# | 133   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.039  | -14.1  | 120   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.233  | -2.5   | 113   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.105  | 3.8    | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.519  | -15.0  | 116   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 291.572 | -16.6  | 115   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.355  | -8.7   | 111   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 293.788 | -17.5  | 118   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.774  | -1.5   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.320  | -4.6   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.418  | -6.8   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 276.202 | -10.5  | 114   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.884  | -11.8# | 113   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.602  | 6.8    | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.874  | -3.7   | 106   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 55.842  | -11.7  | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.379  | -4.8   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.427  | -2.9   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.272  | -12.5  | 119   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.554  | -5.1   | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.220  | 11.6   | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.014  | -4.0   | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.159  | -14.3  | 116   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 59.515  | -19.0  | 119   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 58.668  | -17.3  | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.390  | 1.2    | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.102  | -10.2# | 112   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.562  | -15.1  | 117   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.796  | -15.6  | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 59.582  | -19.2  | 118   | 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: Nov 12 01:09:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 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 | 1059.148 | -5.9   | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.177   | 1.6    | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 302.568  | -21.0  | 118   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.404   | -4.8#  | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.392   | -16.8  | 115   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.062   | -14.1  | 114   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.106   | -8.2   | 111   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.613   | -19.2  | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.761   | -13.5  | 113   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 363.915  | -45.6# | 141   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 318.697  | -27.5# | 120   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.220   | -12.4  | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.970   | -9.9   | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.106   | -4.2   | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.679   | 0.6    | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.518   | -5.0   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.520   | -11.0  | 110   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.855   | -3.7#  | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.316  | -3.3   | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.600   | -7.2   | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.767   | -11.5  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.843   | -15.7  | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.984   | 0.0    | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.644   | 8.7    | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.538   | -7.1   | 112   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.931   | 8.1    | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.327   | -8.7   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.588   | 0.8    | 99    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.386   | -6.8   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.759   | -1.5   | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.949   | -9.9   | 118   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.044   | -2.1   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.695   | 2.6    | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.808   | -5.6   | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.923   | 4.2    | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.853   | 0.3    | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.368   | -4.7   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.438   | 1.1    | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.462   | 3.1    | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.269   | 3.5    | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.832   | -3.7   | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.398   | -10.8  | 120   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.859   | -1.7   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.135   | 3.7    | 99    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.830   | -3.7   | 105   | 0.00     |

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

Instrument :  
MSVOA\_N  
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VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
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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 | 50.094 | -0.2 | 105   | 0.00     |

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