

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102925\  
 Data File : VN088147.D  
 Acq On : 29 Oct 2025 10:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 30 04:01:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 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  | 52.838  | -5.7   | 107   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.039  | -0.1   | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.806  | -3.6#  | 106   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.836  | -1.7   | 105   | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 47.404  | 5.2    | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.498  | -1.0   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.036  | -8.1   | 119   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.051  | -4.1   | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.192  | 5.6    | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 291.479 | -16.6  | 123   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.796  | 4.4#   | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 430.337 | -72.1# | 191   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.518  | -5.0   | 117   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 297.991 | -19.2  | 122   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 290.508 | -16.2  | 129   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.636  | 4.7    | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 61.806  | -23.6  | 131   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.838  | -15.7  | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.040  | -14.1  | 117   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.813  | -1.6   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 58.490  | -17.0  | 118   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 303.244 | -21.3  | 119   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 56.369  | -12.7  | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 302.314 | -20.9  | 122   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.991  | -2.0   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.098  | -6.2   | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.099  | -6.2   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 297.454 | -19.0  | 123   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.883  | -13.8# | 115   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.445  | -2.9   | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.826  | -9.7   | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 57.164  | -14.3  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.765  | -5.5   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.787  | -9.6   | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 59.645  | -19.3  | 126   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.515  | -11.0  | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.455  | -2.9   | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.311  | -8.6   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 59.696  | -19.4  | 120   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 62.613  | -25.2# | 125   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 59.852  | -19.7  | 117   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.421  | -4.8   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.398  | -14.8# | 116   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 58.034  | -16.1  | 117   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 59.340  | -18.7  | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 63.068  | -26.1# | 124   | 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 Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 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 | 1220.741 | -22.1  | 127   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.751   | 0.5    | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 314.348  | -25.7# | 122   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.169   | -8.3#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 59.154   | -18.3  | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.175   | -16.3  | 116   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.371   | -12.7  | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 61.271   | -22.5  | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 58.541   | -17.1  | 116   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 326.334  | -30.5# | 125   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 321.167  | -28.5# | 121   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.806   | -15.6  | 115   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.195   | -12.4  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.687   | -5.4   | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.526   | -3.1   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.484   | -9.0   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.405   | -14.8  | 111   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.305   | -10.6# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.455  | -9.5   | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.230   | -12.5  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.022   | -18.0  | 109   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 59.389   | -18.8  | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.502   | -5.0   | 107   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 29.590   | 40.8#  | 59    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.143   | -10.3  | 116   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.291   | -14.6  | 118   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.321   | -8.6   | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.130   | -6.3   | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.783   | -11.6  | 111   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.363   | -6.7   | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.717   | -5.4   | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.312   | -8.6   | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.815   | -3.6   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.295   | -10.6  | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.725   | -3.5   | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.207   | -8.4   | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.298   | -8.6   | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.606   | -3.2   | 110   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.375   | -6.8   | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.098   | -2.2   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.706   | -7.4   | 111   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 60.196   | -20.4  | 132   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.640   | -7.3   | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.995   | -8.0   | 111   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.647   | -11.3  | 113   | 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

Quant Time: Oct 30 04:01:17 2025  
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Quant Title : SW846 8260  
QLast Update : Sat Oct 25 00:15:22 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 | 53.345 | -6.7 | 113   | 0.00     |

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