

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102725\  
 Data File : VN088102.D  
 Acq On : 27 Oct 2025 10:40  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 28 01:20:32 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    | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.993  | -6.0   | 124   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.512  | -3.0   | 125   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.574  | -3.1#  | 122   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.345  | 9.3    | 109   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.875  | 8.3    | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.013  | 2.0    | 113   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.245  | 3.5    | 123   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.044  | -0.1   | 119   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.858  | 2.3    | 119   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 263.312 | -5.3   | 129   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.643  | 6.7#   | 121   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 316.058 | -26.4# | 163   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.819  | -1.6   | 131   | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 267.088 | -6.8   | 127   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 247.493 | 1.0    | 128   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.207  | 1.6    | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.843  | -7.7   | 133   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.581  | -5.2   | 129   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.510  | -7.0   | 128   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.131  | 1.7    | 120   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.894  | -7.8   | 126   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 274.052 | -9.6   | 125   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.322  | -6.6   | 127   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 268.368 | -7.3   | 126   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.405  | -0.8   | 122   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.010  | -0.0   | 121   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.048  | -0.1   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 264.671 | -5.9   | 127   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.556  | -7.1#  | 126   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.747  | -3.5   | 124   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.155  | -4.3   | 124   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.647  | -1.3   | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.418  | 1.2    | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.483  | -9.0   | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.169  | -4.3   | 126   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.213  | -12.4  | 128   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.784  | -3.6   | 117   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.522  | -7.0   | 123   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.275  | -6.5   | 123   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 58.091  | -16.2  | 132   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.312  | -10.6  | 124   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.507  | -3.0   | 118   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.702  | -9.4#  | 126   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.854  | -9.7   | 126   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.540  | -13.1  | 130   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.954  | -15.9  | 131   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 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 | 1081.292 | -8.1  | 128   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.946   | 4.1   | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 287.502  | -15.0 | 127   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.932   | -5.9# | 121   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.844   | -11.7 | 125   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.372   | -8.7  | 123   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.460   | -6.9  | 124   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.050   | -14.1 | 124   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.194   | -8.4  | 123   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 289.056  | -15.6 | 127   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 293.477  | -17.4 | 126   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.268   | -8.5  | 123   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.304   | -6.6  | 124   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.267   | -0.5  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.018   | -4.0  | 124   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.404   | -2.8  | 116   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.252   | -8.5  | 121   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.436   | -6.9# | 120   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.554  | -6.6  | 117   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.223   | -8.4  | 119   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.729   | -13.5 | 121   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.533   | -11.1 | 123   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.882   | -3.8  | 120   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.328   | -4.7  | 118   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.889   | -3.8  | 124   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.415   | -6.8  | 125   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.320   | -6.6  | 123   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.780   | -5.6  | 120   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.685   | -9.4  | 124   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.573   | -7.1  | 122   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.538   | 4.9   | 117   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.672   | -3.3  | 122   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.227   | -4.5  | 120   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.954   | -7.9  | 122   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.195   | -4.4  | 120   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.333   | -8.7  | 122   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.761   | -5.5  | 121   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.850   | -1.7  | 123   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.382   | -6.8  | 120   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.333   | -6.7  | 124   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.353   | -4.7  | 123   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.960   | -9.9  | 137   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.352   | -4.7  | 123   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.412   | -8.8  | 128   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.678   | -3.4  | 119   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

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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 | 51.880 | -3.8 | 125   | 0.00     |

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