

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050525\  
 Data File : VN086478.D  
 Acq On : 05 May 2025 11:32  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 06 01:43:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 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    | 69    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.212  | 9.6    | 63    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.718  | 6.6    | 74    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.145  | 7.7#   | 66    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 62.395  | -24.8  | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.499  | 5.0    | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.709  | 4.6    | 70    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.896  | -5.8   | 78    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.778  | 2.4    | 71    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 60.961  | -21.9  | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 265.389 | -6.2   | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.361  | 5.3#   | 70    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 368.613 | -47.4# | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.937  | 12.1   | 68    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 268.011 | -7.2   | 76    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 278.344 | -11.3  | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.485  | 13.0   | 68    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.670  | 4.7    | 73    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.536  | -9.1   | 81    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.360  | -8.7   | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.375  | -2.8   | 76    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.747  | -3.5   | 77    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 270.668 | -8.3   | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.430  | -4.9   | 77    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.025 | -4.0   | 76    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.713  | 0.6    | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.294  | -8.6   | 80    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.359  | -4.7   | 74    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 257.870 | -3.1   | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.364  | -10.7# | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.503  | 15.0   | 65    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.955  | -3.9   | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.310  | -12.6  | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.788  | -13.6  | 88    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.061  | 3.9    | 72    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.894  | 0.2    | 78    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.096  | -0.2   | 75    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.650  | 10.7   | 67    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.877  | -3.8   | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.024  | -4.0   | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.287  | -12.6  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.566  | -9.1   | 79    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.792  | -5.6   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.519  | -5.0#  | 79    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 58.582  | -17.2  | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.865  | -11.7  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.669  | 0.7    | 77    | 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: May 06 01:43:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 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 | 1080.631 | -8.1  | 87    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.589   | -3.2  | 73    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.592  | -5.4  | 78    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.807   | -5.6# | 79    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.106   | -12.2 | 82    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.796   | -5.6  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.253   | -14.5 | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.899   | -7.8  | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.016   | -12.0 | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 238.408  | 4.6   | 69    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 261.423  | -4.6  | 78    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.161   | -16.3 | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.498   | -17.0 | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.810   | -5.6  | 75    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 75    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.118   | -0.2  | 78    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.576   | -5.2  | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.541   | -9.1  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.637   | 0.7#  | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.350  | -2.3  | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.383   | -2.8  | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.644   | -7.3  | 82    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.230   | -12.5 | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 77    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.987   | 8.0   | 78    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.503   | 9.0   | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.472   | -0.9  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.132   | 3.7   | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.065   | -6.1  | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.301   | 7.4   | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.130   | 3.7   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.572   | 4.9   | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.354   | -4.7  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.221   | 1.6   | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.561   | 8.9   | 78    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.864   | 2.3   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.861   | 8.3   | 76    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.890   | 4.2   | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.446   | -4.9  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.755   | -5.5  | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.633   | 6.7   | 74    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.800   | 6.4   | 78    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.131   | -6.3  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.038   | 1.9   | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.621   | -7.2  | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.233   | 7.5   | 76    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.308   | -2.6  | 83    | 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: May 06 01:43:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 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 | 53.440 | -6.9 | 87    | 0.00     |

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