

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051425\  
 Data File : VN086616.D  
 Acq On : 14 May 2025 10:35  
 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 15 02:58:13 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    | 73    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.608  | -11.2  | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.550  | -7.1   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.413  | -0.8#  | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 66.542  | -33.1# | 101   | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 50.844  | -1.7   | 82    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.953  | -5.9   | 82    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 56.315  | -12.6  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.883  | -7.8   | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 60.551  | -21.1  | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 237.884 | 4.8    | 74    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.491  | -1.0#  | 79    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 331.931 | -32.8# | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.268  | 7.5    | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 278.467 | -11.4  | 84    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 286.531 | -14.6  | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.688  | 4.6    | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.885  | 6.2    | 77    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.286  | -10.6  | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.490  | -15.0  | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.354  | -8.7   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.125  | -6.3   | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 283.665 | -13.5  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.178  | -10.4  | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 256.077 | -2.4   | 80    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.081  | -4.2   | 84    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 56.917  | -13.8  | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 69.329  | -38.7# | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 255.894 | -2.4   | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.981  | -14.0# | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.162  | 9.7    | 73    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.208  | -6.4   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.084  | -4.2   | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 74    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 66.279  | -32.6# | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.762  | -5.5   | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.770  | -1.5   | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.055  | -8.1   | 83    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.696  | 4.6    | 74    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.241  | -10.5  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.421  | -2.8   | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 58.303  | -16.6  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.135  | -6.3   | 79    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.727  | -11.5  | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.588  | -11.2# | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 60.445  | -20.9  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 59.030  | -18.1  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.857  | 2.3    | 78    | 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

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 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 | 1074.286 | -7.4   | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.324   | 1.4    | 72    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 264.343  | -5.7   | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.227   | -12.5# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.188   | -16.4  | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.967   | -11.9  | 88    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 59.142   | -18.3  | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.040   | -10.1  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 59.489   | -19.0  | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 366.723  | -46.7# | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.808  | -3.9   | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 61.187   | -22.4  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 60.304   | -20.6  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.693   | -5.4   | 77    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.832   | -5.7   | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.628   | -11.3  | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.148   | -12.3  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.799   | -5.6#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.150  | -8.2   | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.118   | -10.2  | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.618   | -13.2  | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.451   | -14.9  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.549   | 2.9    | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.030   | 9.9    | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.245   | -6.5   | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.103   | 13.8   | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.730   | -11.5  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.914   | 2.2    | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.236   | -0.5   | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.683   | 0.6    | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.878   | -9.8   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.260   | -2.5   | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.960   | 4.1    | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.427   | -0.9   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.340   | 3.3    | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.165   | -0.3   | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.721   | -9.4   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.197   | -8.4   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.375   | 1.3    | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.322   | -0.6   | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.195   | -8.4   | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.979   | 4.0    | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.331   | -8.7   | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.780   | -5.6   | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.987   | -2.0   | 86    | 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

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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 | 53.631 | -7.3 | 91    | 0.00     |

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