

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070325\  
 Data File : VN087260.D  
 Acq On : 03 Jul 2025 10:50  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 04 01:26:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:15:00 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    | 177   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.616  | -5.2   | 178   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.592  | 0.8    | 176   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.053  | -0.1#  | 176   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.624  | 12.8   | 170   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.684  | 2.6    | 173   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.365  | -0.7   | 183   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.118  | -2.2   | 177   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.380  | -4.8   | 189   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.024  | -2.0   | 166   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 221.703 | 11.3   | 155   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.364  | -0.7#  | 178   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 379.997 | -52.0# | 281   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.163  | 1.7    | 175   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.310 | 5.5    | 172   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 255.112 | -2.0   | 191   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.776  | 4.4    | 178   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.305  | 1.4    | 177   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.344  | 1.3    | 177   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.036  | 1.9    | 182   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.194  | 3.6    | 180   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.857  | 2.3    | 175   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.229 | 3.1    | 170   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.580  | 0.8    | 179   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.160 | 3.1    | 173   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.295  | -0.6   | 184   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.135  | 1.7    | 178   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.182  | -4.4   | 181   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.682 | 3.3    | 170   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.817  | 0.4#   | 182   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.744  | 8.5    | 176   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.349  | 1.3    | 181   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.009  | 6.0    | 176   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 177   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.314  | 3.4    | 178   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.294  | 1.4    | 178   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.614  | 6.8    | 166   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.138  | -4.3   | 187   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.258  | 1.5    | 175   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.865  | 2.3    | 178   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.922  | 4.2    | 171   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.415  | 1.2    | 177   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.930  | 4.1    | 171   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.899  | 2.2    | 179   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.235  | -2.5#  | 184   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.415  | 1.2    | 181   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.786  | 0.4    | 181   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.420  | 1.2    | 173   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070325\  
 Data File : VN087260.D  
 Acq On : 03 Jul 2025 10:50  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 04 01:26:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:15:00 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 | 936.934 | 6.3   | 163   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.853  | 6.3   | 171   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.333 | 0.3   | 172   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.969  | 0.1#  | 176   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.213  | 1.6   | 173   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.965  | -1.9  | 181   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.570  | 2.9   | 177   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.103  | 3.8   | 171   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.900  | 0.2   | 183   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 233.120 | 6.8   | 160   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 228.051 | 8.8   | 167   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.622  | -1.2  | 179   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.809  | 0.4   | 177   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.145  | 5.7   | 171   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 171   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.178  | -2.4  | 181   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.554  | 0.9   | 178   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.568  | -1.1  | 177   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.511  | -1.0# | 174   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.499 | -6.5  | 180   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.293  | -6.6  | 178   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.997  | -8.0  | 177   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.910  | -5.8  | 176   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 179   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.059  | 3.9   | 176   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 35.756  | 28.5# | 164   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.652  | 10.7  | 170   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.043  | 13.9  | 172   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.875  | 4.3   | 174   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.464  | 3.1   | 178   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.218  | 5.6   | 175   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.625  | 0.8   | 176   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.865  | 14.3  | 159   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.361  | 5.3   | 176   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.569  | 2.9   | 177   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.784  | -1.6  | 176   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.002  | -0.0  | 178   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.847  | -1.7  | 178   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.020  | -0.0  | 186   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.197  | 5.6   | 182   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.636  | 2.7   | 174   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.064  | 5.9   | 174   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.931  | 2.1   | 182   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.864  | 14.3  | 165   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.709  | 8.6   | 170   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.316  | 17.4  | 159   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.449  | 9.1   | 165   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070325\  
Data File : VN087260.D  
Acq On : 03 Jul 2025 10:50  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:15:00 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 | 46.522 | 7.0  | 172   | 0.00     |

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