

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031225\  
 Data File : VN085968.D  
 Acq On : 12 Mar 2025 18:30  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 13 01:43:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 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   | 54    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.040  | 13.9  | 47    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 39.601  | 20.8  | 47    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 37.809  | 24.4# | 44    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 36.724  | 26.6# | 43    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 35.263  | 29.5# | 44    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.230  | 13.5  | 51    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.216  | 7.6   | 51    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 40.581  | 18.8  | 47    | 0.01     |
| 10 T  | Methyl Iodide               | 50.000  | 46.121  | 7.8   | 52    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 211.948 | 15.2  | 47    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.613  | 12.8# | 49    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.989 | 12.4  | 44    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.011  | 10.0  | 51    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.058 | 8.4   | 53    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 207.380 | 17.0  | 50    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.919  | 12.2  | 53    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 35.977  | 28.0# | 45    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.475  | -1.0  | 54    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.482  | 15.0  | 51    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 43.354  | 13.3  | 51    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.760  | 6.5   | 50    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 263.760 | -5.5  | 57    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.730  | 12.5  | 51    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 222.492 | 11.0  | 49    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.569  | 12.9  | 49    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.514  | 11.0  | 50    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.986  | 12.0  | 49    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.381 | 5.4   | 51    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.854  | 10.3# | 53    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.669  | 14.7  | 50    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.493  | 9.0   | 52    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.515  | 7.0   | 53    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 55    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.166  | 7.7   | 52    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.507  | 7.0   | 51    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.833  | 10.3  | 50    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.039  | 5.9   | 53    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.573  | 6.9   | 47    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.747  | 8.5   | 51    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.415  | 7.2   | 48    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.149  | 5.7   | 55    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.872  | 8.3   | 53    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 42.667  | 14.7  | 50    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.572  | 8.9#  | 51    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.990  | 8.0   | 52    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.131  | 7.7   | 53    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.812  | 0.4   | 51    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031225\  
 Data File : VN085968.D  
 Acq On : 12 Mar 2025 18:30  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 13 01:43:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 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 | 1019.046 | -1.9  | 52    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.273   | 7.5   | 50    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 242.025  | 3.2   | 51    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.147   | 1.7#  | 52    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.468   | -0.9  | 53    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.219   | 1.6   | 52    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 45.756   | 8.5   | 52    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.256   | 1.5   | 54    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.627   | 4.7   | 53    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 255.739  | -2.3  | 63    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 250.699  | -0.3  | 51    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.537   | 0.9   | 54    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.365   | 3.3   | 54    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.524   | -3.0  | 53    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 56    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.869   | 12.3  | 52    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.336   | 11.3  | 51    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.906   | 8.2   | 53    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.017   | 2.0#  | 51    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.841  | -1.8  | 52    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.064   | -2.1  | 52    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.177   | 5.6   | 52    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.505   | 1.0   | 56    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 60    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 44.646   | 10.7  | 51    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 45.707   | 8.6   | 53    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 39.042   | 21.9  | 53    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 40.720   | 18.6  | 57    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 42.020   | 16.0  | 52    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.206   | 7.6   | 51    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.095   | 11.8  | 53    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.057   | 3.9   | 53    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.629   | 2.7   | 56    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.168   | 9.7   | 53    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.905   | 8.2   | 50    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.172   | -0.3  | 54    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.159   | 7.7   | 50    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 42.970   | 14.1  | 51    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 42.793   | 14.4  | 55    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 41.744   | 16.5  | 54    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.463   | 11.1  | 49    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 39.819   | 20.4  | 51    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.454   | 13.1  | 55    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.296   | 15.4  | 57    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 44.095   | 11.8  | 52    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 37.177   | 25.6# | 51    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.751   | 6.5   | 53    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031225\  
Data File : VN085968.D  
Acq On : 12 Mar 2025 18:30  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 13 01:43:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:43:32 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 | 42.899 | 14.2 | 52    | 0.00     |

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