

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052223\  
 Data File : VN077803.D  
 Acq On : 22 May 2023 20:41  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 23 04:22:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.859  | 10.3  | 81    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.276  | 17.4  | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.706  | 10.6# | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.110  | 11.8  | 89    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.184  | 15.6  | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.728  | 6.5   | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.996  | 8.0   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.636  | 4.7   | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.347  | -8.7  | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 218.987 | 12.4  | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.089  | 5.8#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 285.294 | -14.1 | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.385  | 7.2   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 223.813 | 10.5  | 88    | 0.01     |
| 16 T  | Acetone                     | 250.000 | 203.538 | 18.6  | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.995  | 22.0  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.177  | 11.6  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.774  | 6.5   | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.393  | 3.2   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.441  | 9.1   | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.275  | 9.5   | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 217.837 | 12.9  | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.523  | 5.0   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 208.997 | 16.4  | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.002  | 14.0  | 78    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.298  | 3.4   | 93    | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 48.818  | 2.4   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 210.891 | 15.6  | 84    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.400  | 5.2#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.643  | 16.7  | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.607  | 0.8   | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.840  | 4.3   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.115  | -8.2  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.582  | 6.8   | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.395  | 15.2  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.167  | -4.3  | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.072  | 7.9   | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.357  | 3.3   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.227  | 7.5   | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.206  | 7.6   | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.660  | 8.7   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.290  | -4.6  | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.677  | 0.6#  | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.485  | 3.0   | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.473  | -2.9  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.681  | 8.6   | 85    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052223\  
 Data File : VN077803.D  
 Acq On : 22 May 2023 20:41  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 23 04:22:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 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 | 966.419 | 3.4   | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.588  | -5.2  | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 231.303 | 7.5   | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.747  | 0.5#  | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.072  | -0.1  | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.134  | 3.7   | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.726  | -1.5  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.131  | 3.7   | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.737  | 2.5   | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 223.597 | 10.6  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 221.446 | 11.4  | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.553  | -9.1  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.743  | -3.5  | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.111  | -0.2  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.751  | -13.5 | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.663  | 0.7   | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.245  | -10.5 | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.627  | 0.7#  | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.270 | -2.3  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.479  | -3.0  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.086  | -2.2  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.749  | -11.5 | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.724  | -1.4  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 41.572  | 16.9  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.160  | 7.7   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.158  | 15.7  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.481  | 1.0   | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.033  | 1.9   | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.920  | 2.2   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.569  | -1.1  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.633  | 12.7  | 81    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.130  | 5.7   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.782  | -3.6  | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.285  | -2.6  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.635  | -1.3  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.398  | -4.8  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.926  | 4.1   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.544  | 4.9   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.176  | 5.6   | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.778  | -9.6  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.632  | -3.3  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.847  | 14.3  | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 40.994  | 18.0  | 78    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.568  | 0.9   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 36.794  | 26.4# | 71    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052223\  
Data File : VN077803.D  
Acq On : 22 May 2023 20:41  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: May 23 04:22:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 04:07:42 2023  
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 | 43.285 | 13.4 | 81    | 0.00     |

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