

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
 Data File : VN072468.D  
 Acq On : 12 May 2022 21:22  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 13 02:51:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 10 15:43:28 2022  
 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   | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.933  | 2.1   | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.206  | 13.6  | 69    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.714  | 16.6# | 71    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.698  | 8.6   | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.145  | -2.3  | 83    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.203  | 1.6   | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.057  | 9.9   | 73    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.490  | 11.0  | 76    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.446  | 7.1   | 75    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 270.314 | -8.1  | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.317  | 11.4# | 76    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 206.687 | 17.3  | 69    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.844  | 12.3  | 72    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.838 | 6.1   | 77    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 245.215 | 1.9   | 85    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.677  | 16.6  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.075  | 7.8   | 78    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.328  | -2.7  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.464  | 13.1  | 77    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.429  | 9.1   | 76    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.956  | 10.1  | 75    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.956 | 4.8   | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.436  | 9.1   | 76    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 236.100 | 5.6   | 79    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.177  | 13.6  | 73    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.476  | 7.0   | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.904  | 10.2  | 76    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.618 | 5.4   | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.645  | 0.7#  | 83    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.456  | 17.1  | 73    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.734  | -1.5  | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.913  | 0.2   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.363  | -0.7  | 86    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.104  | 3.8   | 77    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.615  | 2.8   | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.950  | -5.9  | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.612  | 0.8   | 76    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.651  | 6.7   | 76    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.128  | -2.3  | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.368  | -4.7  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 60.994  | -22.0 | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.883  | 4.2   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.246  | 5.5#  | 75    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.978  | 0.0   | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.836  | -3.7  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.375  | -0.8  | 76    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 13 02:51:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 10 15:43:28 2022  
 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 | 1180.422 | -18.0 | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.403   | 1.2   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 258.073  | -3.2  | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.576   | 0.8#  | 77    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.719   | -7.4  | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.770   | -3.5  | 79    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.265   | 1.5   | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.124   | -12.2 | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.714   | 0.6   | 79    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 307.751  | -23.1 | 111   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 275.197  | -10.1 | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.809   | -9.6  | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.980   | -6.0  | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.968   | -7.9  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.695   | 8.6   | 78    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.060   | 1.9   | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.769   | -1.5  | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.546   | -5.1# | 81    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.421  | -5.4  | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.937   | -7.9  | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.507   | -13.0 | 82    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.756   | -13.5 | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.822   | 2.4   | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.834   | 0.3   | 85    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 41.887   | 16.2  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.006   | 10.0  | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.677   | 4.6   | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.141   | 1.7   | 81    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.998   | 4.0   | 83    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.339   | -0.7  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.818   | 8.4   | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.359   | 3.3   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.151   | -2.3  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.313   | -2.6  | 85    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.326   | -0.7  | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.900   | -7.8  | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.455   | 3.1   | 85    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.313   | 5.4   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.610   | -3.2  | 81    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.744   | 0.5   | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.256   | 3.5   | 84    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.926   | -11.9 | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 58.392   | -16.8 | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.810   | 2.4   | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.071   | -2.1  | 91    | 0.00     |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 10 15:43:28 2022  
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 | 59.792 | -19.6 | 89    | 0.00     |

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