

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051021\  
 Data File : VN067066.D  
 Acq On : 10 May 2021 12:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 11 01:44:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 07:24:52 2021  
 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    | 68    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.352  | 3.3    | 64    | -0.01    |
| 3 P   | Chloromethane               | 50.000  | 44.127  | 11.7   | 58    | -0.01    |
| 4 C   | Vinyl Chloride              | 50.000  | 47.345  | 5.3#   | 62    | -0.01    |
| 5 T   | Bromomethane                | 50.000  | 48.951  | 2.1    | 64    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.221  | -0.4   | 66    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.580  | -5.2   | 71    | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 47.499  | 5.0    | 62    | -0.01    |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.526  | -3.1   | 70    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 45.511  | 9.0    | 60    | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 233.890 | 6.4    | 60    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.368  | 3.3#   | 65    | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 330.867 | -32.3# | 89    | -0.01    |
| 14 T  | Allyl chloride              | 50.000  | 47.210  | 5.6    | 63    | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 241.055 | 3.6    | 62    | -0.02    |
| 16 T  | Acetone                     | 250.000 | 281.496 | -12.6  | 77    | -0.02    |
| 17 T  | Carbon Disulfide            | 50.000  | 46.294  | 7.4    | 62    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 51.485  | -3.0   | 66    | -0.02    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.463  | -2.9   | 66    | -0.02    |
| 20 T  | Methylene Chloride          | 50.000  | 48.703  | 2.6    | 66    | -0.02    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.318  | -0.6   | 67    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 48.755  | 2.5    | 63    | -0.02    |
| 23 T  | Vinyl Acetate               | 250.000 | 245.016 | 2.0    | 62    | -0.02    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.839  | 2.3    | 65    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 249.088 | 0.4    | 65    | -0.02    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.897  | -5.8   | 71    | -0.02    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.118  | -0.2   | 66    | -0.01    |
| 28 T  | Bromochloromethane          | 50.000  | 47.325  | 5.3    | 66    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 239.560 | 4.2    | 61    | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 51.310  | -2.6#  | 69    | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 46.009  | 8.0    | 62    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.302  | -2.6   | 69    | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.831  | 2.3    | 67    | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 62    | -0.01    |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.260  | -4.5   | 67    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.210  | -8.4   | 66    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.824  | 0.4    | 59    | -0.02    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.055  | -12.1  | 70    | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 55.349  | -10.7  | 65    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.753  | -7.5   | 66    | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 52.936  | -5.9   | 66    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.692  | -11.4  | 68    | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.544  | -3.1   | 61    | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 53.561  | -7.1   | 66    | -0.01    |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.201  | -6.4#  | 65    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.822  | -7.6   | 66    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.842  | -9.7   | 67    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.827  | -5.7   | 61    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/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 May 05 07:24:52 2021  
 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 | 1042.585 | -4.3   | 59    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.391   | -4.8   | 65    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 270.535  | -8.2   | 61    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.964   | -9.9#  | 66    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.632   | -9.3   | 65    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.124   | -10.2  | 66    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.449   | -10.9  | 67    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.663   | 2.7    | 62    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.762   | -7.5   | 64    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 444.019  | -77.6# | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 238.413  | 4.6    | 60    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.064   | -10.1  | 66    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.198   | -8.4   | 65    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.615   | -11.2  | 63    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 63    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.481   | -5.0   | 66    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.386   | -6.8   | 64    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.169   | -10.3  | 68    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.881   | -11.8# | 65    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.855  | -12.9  | 65    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.237   | -10.5  | 64    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.568   | -1.1   | 65    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.181   | -8.4   | 64    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 60    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.231   | -12.5  | 65    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 57.359   | -14.7  | 56    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.890   | -3.8   | 62    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.051   | -14.1  | 64    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.140   | -10.3  | 65    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 58.383   | -16.8  | 65    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.478   | -7.0   | 64    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.635   | -13.3  | 65    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.294   | -2.6   | 61    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.033   | -14.1  | 64    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.691   | -9.4   | 62    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.675   | -15.3  | 65    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.358   | -14.7  | 65    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.772   | -17.5  | 65    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.946   | -11.9  | 64    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.495   | -11.0  | 62    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.042   | -6.1   | 66    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.417   | -4.8   | 63    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.504   | -11.0  | 63    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.198   | -2.4   | 61    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.530   | -5.1   | 59    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 57.140   | -14.3  | 68    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.144   | 7.7    | 48    | 0.00     |

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Instrument :  
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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 | 51.794 | -3.6 | 57    | 0.00     |

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