

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
 Data File : VN072442.D  
 Acq On : 12 May 2022 10:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 13 02:39:48 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   | 75    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.136  | 3.7   | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.382  | 13.2  | 65    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.962  | 14.1# | 69    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.595  | 10.8  | 75    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.843  | 0.3   | 76    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.501  | -1.0  | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.529  | 10.9  | 68    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.360  | 7.3   | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.772  | 6.5   | 71    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 211.036 | 15.6  | 70    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.192  | 11.6# | 71    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 200.635 | 19.7  | 63    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.021  | 12.0  | 68    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 213.043 | 14.8  | 66    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 227.408 | 9.0   | 74    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.905  | 12.2  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 41.620  | 16.8  | 66    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.366  | 1.3   | 74    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 41.511  | 17.0  | 69    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.428  | 9.1   | 72    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.206  | 11.6  | 70    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 229.588 | 8.2   | 69    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.785  | 8.4   | 72    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 208.968 | 16.4  | 66    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.564  | -3.1  | 82    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.315  | 7.4   | 73    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.851  | 6.3   | 75    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.998 | 16.0  | 64    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.309  | 1.4#  | 78    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.282  | 17.4  | 69    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.946  | -1.9  | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.296  | -0.6  | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 73    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.148  | -6.3  | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.811  | 0.4   | 73    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.720  | 10.6  | 67    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.409  | -8.8  | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.999  | -6.0  | 74    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.769  | 4.5   | 71    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.541  | 10.9  | 68    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.204  | -4.4  | 80    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.729  | 6.5   | 69    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.475  | 1.0   | 75    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.901  | 4.2#  | 69    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.042  | -0.1  | 74    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.582  | -5.2  | 77    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.523  | -3.0  | 71    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 13 02:39:48 2022  
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 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 | 1024.808 | -2.5  | 73    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.879   | -1.8  | 78    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 240.548  | 3.8   | 68    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.023   | -2.0# | 73    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.088   | -8.2  | 75    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.356   | -6.7  | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.179   | 3.6   | 72    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.198   | -8.4  | 72    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.955   | 0.1   | 73    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 288.862  | -15.5 | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 244.176  | 2.3   | 67    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.632   | -9.3  | 78    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.575   | -1.2  | 73    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.582   | -11.2 | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 70    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.454   | -2.9  | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.043   | -2.1  | 75    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.078   | -4.2  | 78    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.725   | -9.5# | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.238  | -9.2  | 74    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.667   | -9.3  | 74    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.875   | -15.8 | 75    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.060   | -10.1 | 77    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 75    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.994   | -2.0  | 77    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.739   | 6.5   | 71    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 41.307   | 17.4  | 72    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.881   | 14.2  | 71    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.414   | 3.2   | 76    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.449   | -6.9  | 78    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.885   | 0.2   | 77    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.114   | -6.2  | 77    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.016   | 2.0   | 73    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.892   | -1.8  | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.525   | -7.0  | 78    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.488   | -7.0  | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.010   | -8.0  | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.029   | -16.1 | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.907   | -1.8  | 79    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.860   | 0.3   | 79    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.502   | -13.0 | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.612   | -3.2  | 79    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.576   | -1.2  | 78    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.251   | -0.5  | 73    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 58.418   | -16.8 | 78    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.450   | -8.9  | 85    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.392   | 9.2   | 71    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
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Quant Time: May 13 02:39:48 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 58.886 | -17.8 | 78    | 0.00     |

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