

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022522\  
 Data File : VN071085.D  
 Acq On : 25 Feb 2022 21:45  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 26 03:46:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 07:57:15 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    | 83    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.311  | 7.4    | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.385  | -0.8   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.858  | 4.3#   | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.006  | 10.0   | 74    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 48.488  | 3.0    | 89    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.958  | -1.9   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.036  | -4.1   | 90    | 0.01     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.918  | 4.2    | 83    | 0.01     |
| 10 T  | Methyl Iodide               | 50.000  | 51.718  | -3.4   | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 306.079 | -22.4  | 101   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.417  | 3.2#   | 85    | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 275.386 | -10.2  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.081  | -8.2   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 307.247 | -22.9  | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 240.099 | 4.0    | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.417  | 17.2   | 73    | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 63.898  | -27.8# | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.620  | -13.2  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.672  | -3.3   | 90    | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.145  | 3.7    | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 59.673  | -19.3  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 305.847 | -22.3  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.842  | -9.7   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 304.826 | -21.9  | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.487  | 1.0    | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.279  | -4.6   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 58.312  | -16.6  | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 319.059 | -27.6# | 107   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.507  | -7.0#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.366  | -0.7   | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.567  | -7.1   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.547  | 0.9    | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.490  | 11.0   | 76    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.787  | 4.4    | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 58.235  | -16.5  | 104   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.864  | 4.3    | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.033  | 9.9    | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.377  | -0.8   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 61.523  | -23.0  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.935  | -3.9   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 63.682  | -27.4# | 112   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.841  | 8.3    | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.226  | -6.5#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.609  | 0.8    | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.954  | -1.9   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 60.569  | -21.1  | 105   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 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 | 1113.166 | -11.3  | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.029   | 11.9   | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 309.531  | -23.8  | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.717   | -1.4#  | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.728   | -3.5   | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.885   | -3.8   | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.647   | -3.3   | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.043   | -16.1  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.506   | -7.0   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 246.450  | 1.4    | 111   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 316.160  | -26.5# | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.086   | -2.2   | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.391   | -2.8   | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.412   | 13.2   | 75    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 40.154   | 19.7   | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.170   | 3.7    | 89    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.750   | 0.5    | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.874   | 0.3#   | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.837   | 2.2    | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.438   | -0.9   | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.732   | -1.5   | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.853   | 0.3    | 89    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 79    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.990   | -8.0   | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 65.678   | -31.4# | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.674   | -13.3  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.067   | -8.1   | 82    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.438   | -2.9   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.069   | -6.1   | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.029   | -8.1   | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.935   | -7.9   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.110   | -16.2  | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.271   | -4.5   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.723   | -3.4   | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.831   | -5.7   | 85    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.508   | -5.0   | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.074   | -2.1   | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.414   | 3.2    | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.444   | 5.1    | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.716   | 4.6    | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.215   | -8.4   | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.353   | -0.7   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.417   | -18.8  | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 41.523   | 17.0   | 69    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.440   | 19.1   | 67    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.541   | 10.9   | 80    | 0.00     |

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ALS Vial : 20 Sample Multiplier: 1

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 | 43.598 | 12.8 | 73    | 0.00     |

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