

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022421\  
 Data File : VN065992.D  
 Acq On : 24 Feb 2021 10:03  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 25 02:09:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 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   | 74    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.184  | 9.6   | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.916  | 18.2  | 58    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.178  | 13.6# | 62    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.648  | 8.7   | 65    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 41.903  | 16.2  | 61    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.369  | 3.3   | 70    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.178  | 7.6   | 67    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.490  | 9.0   | 66    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.239  | 15.5  | 61    | 0.01     |
| 11 T  | Tert butyl alcohol          | 250.000 | 270.940 | -8.4  | 78    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.617  | 10.8# | 66    | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 221.292 | 11.5  | 72    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.463  | 9.1   | 65    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.962 | 6.0   | 65    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 272.955 | -9.2  | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.137  | 11.7  | 65    | 0.02     |
| 18 T  | Methyl Acetate              | 50.000  | 47.120  | 5.8   | 68    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.002  | -2.0  | 74    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.108  | 11.8  | 66    | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.202  | 3.6   | 70    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.616  | 10.8  | 64    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.387 | 5.0   | 65    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.355  | 7.3   | 67    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 237.629 | 4.9   | 66    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.060  | -14.1 | 80    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.117  | 1.8   | 70    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.296  | 13.4  | 66    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 214.811 | 14.1  | 61    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.577  | 0.8#  | 72    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.523  | 15.0  | 64    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.637  | -7.3  | 77    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.679  | -1.4  | 75    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 71    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.677  | 0.6   | 72    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.238  | 3.5   | 69    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.802  | 10.4  | 61    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.309  | -6.6  | 75    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.098  | 3.8   | 70    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.914  | 6.2   | 67    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 41.164  | 17.7  | 56    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.875  | -5.8  | 74    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.716  | -1.4  | 69    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.563  | -3.1  | 73    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.506  | 5.0#  | 65    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.808  | -1.6  | 69    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.761  | -9.5  | 73    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.736  | 4.5   | 64    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 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 | 1059.491 | -5.9  | 73    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.786   | 4.4   | 69    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 229.485  | 8.2   | 62    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.448   | 1.1#  | 68    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.590   | -5.2  | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.039   | -8.1  | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.813   | 0.4   | 69    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.493   | -1.0  | 67    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.725   | 2.5   | 67    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 213.786  | 14.5  | 59    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 232.126  | 7.1   | 62    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.805   | -11.6 | 73    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.365   | -2.7  | 70    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.481   | -1.0  | 73    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 70    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.368   | -6.7  | 75    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.631   | -1.3  | 70    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.099   | -12.2 | 75    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.638   | -1.3# | 70    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.577  | -3.6  | 71    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.011   | -4.0  | 70    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.444   | -6.9  | 71    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.402   | -2.8  | 76    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.871   | 4.3   | 70    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.898   | 10.2  | 60    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.265   | 11.5  | 65    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.780   | 4.4   | 71    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.677   | 0.6   | 72    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.559   | 4.9   | 69    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.421   | 5.2   | 71    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.435   | 1.1   | 72    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.931   | -3.9  | 72    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.096   | 1.8   | 71    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.156   | 1.7   | 72    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.071   | 1.9   | 71    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.160   | 3.7   | 70    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.693   | 0.6   | 71    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.107   | -0.2  | 71    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.008   | -2.0  | 75    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.684   | -1.4  | 72    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 42.125   | 15.8  | 61    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.937   | 0.1   | 71    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.332   | -6.7  | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 55.106   | -10.2 | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.227   | -4.5  | 73    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.981   | -6.0  | 80    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.683 | -9.4 | 80    | 0.00     |

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