

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
 Data File : VN066851.D  
 Acq On : 29 Apr 2021 7:41  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 29 08:06:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 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   | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.571  | 8.9   | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.658  | 4.7   | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.271  | -0.5# | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.800  | 6.4   | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.170  | -0.3  | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.464  | 1.1   | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.442  | 5.1   | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.913  | 4.2   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.925  | -1.8  | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.836 | 13.7  | 74    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.442  | 3.1#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 228.484 | 8.6   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 40.911  | 18.2  | 68    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 253.441 | -1.4  | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 204.032 | 18.4  | 72    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.204  | 5.6   | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.768  | 10.5  | 77    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.937  | 6.1   | 77    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.716  | 0.6   | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.569  | -1.1  | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.925  | 10.2  | 73    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 222.558 | 11.0  | 71    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.005  | 4.0   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 227.360 | 9.1   | 73    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 26.160  | 47.7# | 44    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.215  | -0.4  | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.316  | 9.4   | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.293 | 7.5   | 74    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.793  | 2.4#  | 81    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.525  | 15.0  | 74    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.995  | 4.0   | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.763  | 12.5  | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.234  | -6.5  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.064  | -0.1  | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.705  | 10.6  | 70    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.316  | -4.6  | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.630  | 2.7   | 75    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.219  | -6.4  | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.516  | 13.0  | 63    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.322  | 7.4   | 72    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.670  | 8.7   | 70    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.610  | -9.2  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.112  | -4.2# | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.794  | -7.6  | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.362  | -4.7  | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.539  | 4.9   | 69    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 55 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 | 1185.436 | -18.5 | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.865   | -3.7  | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.327  | 0.3   | 72    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.133   | -8.3# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.705   | 4.6   | 71    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.383   | 3.2   | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.211   | -12.4 | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 45.937   | 8.1   | 77    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.702   | -7.4  | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 250.585  | -0.2  | 79    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 213.531  | 14.6  | 72    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.871   | -15.7 | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.328   | -12.7 | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.763   | -7.5  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.140   | -8.3  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.155   | -4.3  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.210   | -8.4  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.557   | -3.1# | 81    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.684  | -9.7  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.370   | -6.7  | 84    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.141   | 3.7   | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 59.640   | -19.3 | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.756   | 2.5   | 83    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 43.052   | 13.9  | 64    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.987   | 4.0   | 83    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.020   | 8.0   | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.719   | -5.4  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.610   | 0.8   | 81    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.846   | 4.3   | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.164   | 1.7   | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 37.883   | 24.2  | 66    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.342   | 1.3   | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.961   | 0.1   | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.901   | -1.8  | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.840   | 0.3   | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.885   | -1.8  | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.259   | -4.5  | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.938   | 0.1   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.992   | 10.0  | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.371   | -0.7  | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.246   | -4.5  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 44.093   | 11.8  | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.345   | -4.7  | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.998   | -2.0  | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.190   | -0.4  | 84    | 0.00     |

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ALS Vial : 55 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 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 | 53.162 | -6.3 | 92    | 0.00     |

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