

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102721\  
 Data File : VN069177.D  
 Acq On : 26 Oct 2021 10:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 27 06:51:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 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    | 73    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.616  | 16.8   | 62    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.811  | 16.4   | 57    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.521  | -1.0#  | 67    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 58.194  | -16.4  | 75    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.353  | -10.7  | 74    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.022  | -0.0   | 68    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.001  | 4.0    | 66    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.785  | -3.6   | 71    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.621  | 20.8   | 54    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 254.207 | -1.7   | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.966  | 8.1#   | 66    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.232 | 3.5    | 77    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.256  | 7.5    | 62    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 276.259 | -10.5  | 74    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 329.802 | -31.9# | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.249  | 17.5   | 56    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.107  | -10.2  | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.250  | -0.5   | 67    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.673  | 4.7    | 67    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.828  | 6.3    | 65    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.215  | 3.6    | 63    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.026 | -0.0   | 66    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.631  | 2.7    | 67    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 295.201 | -18.1  | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.802  | 0.4    | 68    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.236  | 3.5    | 67    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.308  | -4.6   | 75    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 279.768 | -11.9  | 73    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.235  | -2.5#  | 69    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.977  | 14.0   | 62    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.352  | 1.3    | 67    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.785  | -5.6   | 82    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.655  | -7.3   | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.955  | -3.9   | 68    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.576  | -11.2  | 72    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.634  | -1.3   | 66    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.618  | -3.2   | 67    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.010  | -2.0   | 66    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.147  | -6.3   | 68    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.385  | -8.8   | 70    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.427  | -6.9   | 68    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.971  | -3.9   | 68    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.818  | -1.6#  | 66    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.288  | -6.6   | 70    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.418  | -2.8   | 66    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.037  | -8.1   | 69    | 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 Oct 13 05:44:40 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 | 1023.384 | -2.3   | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.089   | -8.2   | 81    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 287.694  | -15.1  | 73    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.106   | -6.2#  | 67    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.763   | -5.5   | 68    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.077   | -4.2   | 67    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.249   | -8.5   | 71    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.857   | -9.7   | 71    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.039   | -10.1  | 70    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 281.285  | -12.5  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 316.844  | -26.7# | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.638   | -3.3   | 67    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.275   | -12.5  | 71    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 57.783   | -15.6  | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 73    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.152   | 3.7    | 64    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.308   | -6.6   | 72    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.814   | -1.6   | 68    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.418   | -6.8#  | 70    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.919  | -5.9   | 70    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.386   | -4.8   | 69    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.249   | -8.5   | 71    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.998   | -2.0   | 67    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 76    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.156   | -0.3   | 71    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 53.188   | -6.4   | 73    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.983   | -10.0  | 78    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.393   | -10.8  | 74    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.214   | -4.4   | 74    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.349   | -4.7   | 73    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.597   | -1.2   | 72    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.437   | -0.9   | 71    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.744   | 0.5    | 72    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.946   | -5.9   | 74    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.313   | -0.6   | 71    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.644   | -3.3   | 72    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.913   | -5.8   | 74    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.984   | -8.0   | 75    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.350   | -8.7   | 75    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.563   | -7.1   | 75    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.574   | -13.1  | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.320   | 5.4    | 67    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.242   | -4.5   | 72    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.817   | -11.6  | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.844   | -3.7   | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.836   | -1.7   | 71    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.111   | -8.2   | 88    | 0.00     |

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MSVOA\_N  
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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.535 | -3.1 | 81    | 0.00     |

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