

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011322\  
 Data File : VN070612.D  
 Acq On : 13 Jan 2022 17:16  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 14 04:54:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 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   | 78    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.088  | 17.8  | 61    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.205  | 13.6  | 69    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.239  | 13.5# | 68    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.081  | 7.8   | 66    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 47.853  | 4.3   | 75    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.977  | 4.0   | 74    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.442  | 3.1   | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.561  | 2.9   | 74    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.517  | 7.0   | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 268.912 | -7.6  | 84    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.052  | 7.9#  | 71    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 240.996 | 3.6   | 77    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.754  | 0.5   | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 268.840 | -7.5  | 82    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 203.781 | 18.5  | 60    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.153  | 15.7  | 64    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.752  | -3.5  | 81    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.704  | -1.4  | 76    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.288  | 7.4   | 74    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.211  | 5.6   | 72    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.862  | -3.7  | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 259.297 | -3.7  | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.519  | 3.0   | 75    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.312 | 1.9   | 73    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.527  | 6.9   | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.642  | 2.7   | 74    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.621  | -3.2  | 80    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.363 | -5.3  | 79    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.253  | 3.5#  | 75    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.221  | 7.6   | 72    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.636  | 6.7   | 71    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.140  | 5.7   | 73    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 76    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.232  | -2.5  | 76    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.095  | 1.8   | 73    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.264  | -4.5  | 78    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.769  | 6.5   | 69    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.407  | 1.2   | 72    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.891  | 0.2   | 75    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.080  | -8.2  | 78    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.073  | 5.9   | 72    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.968  | -3.9  | 78    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.534  | 2.9   | 74    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.544  | -5.1# | 78    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.745  | 0.5   | 74    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.084  | -2.2  | 74    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.413  | -8.8  | 76    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 14 04:54:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 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 | 1196.551 | -19.7  | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.433   | -0.9   | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 278.035  | -11.2  | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.389   | -2.8#  | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.850   | -7.7   | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.814   | -7.6   | 76    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.445   | -4.9   | 78    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.065   | -12.1  | 80    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.355   | -4.7   | 78    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 370.299  | -48.1# | 128   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 278.615  | -11.4  | 78    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.563   | -5.1   | 75    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.979   | -4.0   | 77    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.752   | -9.5   | 81    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.980   | 10.0   | 72    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.401   | 1.2    | 76    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.370   | 1.3    | 76    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.712   | -1.4#  | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.069  | -3.1   | 77    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.744   | -3.5   | 77    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.079   | -10.2  | 79    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.419   | -6.8   | 77    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 79    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.416   | 3.2    | 78    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.721   | -1.4   | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.531   | 4.9    | 77    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.411   | 17.2   | 71    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.691   | 4.6    | 76    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.851   | -1.7   | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.084   | 3.8    | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.487   | 1.0    | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.750   | -9.5   | 81    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.541   | 0.9    | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.532   | 2.9    | 77    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.233   | -0.5   | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.996   | -2.0   | 79    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.821   | -3.6   | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.635   | 2.7    | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.449   | 5.1    | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.931   | -5.9   | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.983   | -2.0   | 78    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.718   | 4.6    | 78    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.036   | 3.9    | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.492   | -9.0   | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.472   | -8.9   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.880   | -3.8   | 85    | 0.00     |

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Instrument :  
MSVOA\_N  
LabSampleId :  
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Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 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 | 55.232 | -10.5 | 88    | 0.00     |

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