

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010422\  
 Data File : VN070478.D  
 Acq On : 4 Jan 2022 21:21  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 05 03:23:02 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.712  | 0.6    | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.677  | -3.4   | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.421  | -4.8#  | 85    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.450  | -6.9   | 80    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.750  | -3.5   | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.704  | -1.4   | 82    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.660  | -11.3  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.499  | -7.0   | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.751  | -9.5   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 273.926 | -9.6   | 88    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.017  | -8.0#  | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 215.511 | 13.8   | 71    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.641  | -11.3  | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 299.340 | -19.7  | 94    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 218.172 | 12.7   | 67    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.425  | -0.8   | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.976  | -14.0  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.853  | -13.7  | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.118  | -6.2   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.591  | -9.2   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 58.379  | -16.8  | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 290.803 | -16.3  | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.304  | -10.6  | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 271.399 | -8.6   | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.536  | 2.9    | 77    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.489  | -11.0  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.945  | 0.1    | 80    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 301.425 | -20.6  | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.483  | -9.0#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.659  | -7.3   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.489  | -5.0   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.993  | -2.0   | 82    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.621  | -5.2   | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.085  | -6.2   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 57.671  | -15.3  | 93    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.540  | 0.9    | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.493  | -7.0   | 85    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.301  | -8.6   | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 60.730  | -21.5  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.553  | -5.1   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.247  | -12.5  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.877  | -3.8   | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.254  | -12.5# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.100  | -8.2   | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.860  | -7.7   | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.502  | -9.0   | 83    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 05 03:23:02 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 | 1158.760 | -15.9  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.046   | -4.1   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 295.327  | -18.1  | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.986   | -10.0# | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.316   | -8.6   | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.133   | -12.3  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.247   | -10.5  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.035   | -16.1  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.079   | -12.2  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 235.459  | 5.8    | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 288.423  | -15.4  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.539   | -9.1   | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.820   | -9.6   | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.611   | -7.2   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.672   | 0.7    | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.918   | -7.8   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.658   | -5.3   | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.308   | -10.6# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.512  | -11.5  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.393   | -12.8  | 88    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.832   | -17.7  | 89    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.849   | -11.7  | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.060   | -2.1   | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.322   | -8.6   | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.537   | -7.1   | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.074   | 1.9    | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.088   | -2.2   | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.649   | -5.3   | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.857   | -1.7   | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.042   | -4.1   | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.368   | -6.7   | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.708   | -3.4   | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.591   | -5.2   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.078   | -6.2   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.391   | -6.8   | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.622   | -7.2   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.089   | -4.2   | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.679   | -1.4   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.265   | -4.5   | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.613   | -3.2   | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.415   | -2.8   | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.477   | -3.0   | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.196   | -2.4   | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.292   | -6.6   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.981   | -2.0   | 89    | 0.00     |

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ALS Vial : 27 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.682 | -5.4 | 89    | 0.00     |

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