

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061021\  
 Data File : VN067277.D  
 Acq On : 10 Jun 2021 17:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 11 05:40:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 05:27:41 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   | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.340  | -2.7  | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.833  | -1.7  | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.554  | -1.1# | 98    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.175  | -6.3  | 99    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 50.864  | -1.7  | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.642  | -3.3  | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.996  | -4.0  | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.937  | -3.9  | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.930  | -5.9  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 258.363 | -3.3  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.113  | -2.2# | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 240.523 | 3.8   | 94    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.330  | -2.7  | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.195 | -2.9  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 230.050 | 8.0   | 94    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.446  | 1.1   | 98    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.323  | -6.6  | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.912  | -3.8  | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.622  | -3.2  | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.830  | -3.7  | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.569  | -3.1  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.102 | -2.4  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.281  | -2.6  | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 249.533 | 0.2   | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.859  | 4.3   | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.973  | -3.9  | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.056  | -0.1  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.150 | -4.1  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.623  | -5.2# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.426  | 7.1   | 97    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.082  | -6.2  | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.766  | -1.5  | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.949  | -1.9  | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.910  | 0.2   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.420  | -2.8  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.301  | -4.6  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.243  | 7.5   | 91    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.207  | -0.4  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.316  | -4.6  | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.961  | -3.9  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.944  | -1.9  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.836  | -3.7  | 102   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.241  | -0.5# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.956  | -3.9  | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.062  | -4.1  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.355  | -0.7  | 97    | 0.00     |

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 ALS Vial : 20 Sample Multiplier: 1

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 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 | 1051.032 | -5.1  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.812   | 0.4   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 256.624  | -2.6  | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.334   | -2.7# | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.546   | -1.1  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.928   | 0.1   | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.712   | -3.4  | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.412   | -4.8  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.121   | -2.2  | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 245.444  | 1.8   | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.565  | -3.0  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.699   | -9.4  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.534   | -3.1  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.030   | -0.1  | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.308   | -0.6  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.977   | -2.0  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.774   | 0.5   | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.166   | -2.3# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.983  | -2.0  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.655   | -3.3  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.590   | -5.2  | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.014   | -12.0 | 111   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.861   | 2.3   | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.464   | -6.9  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.566   | -5.1  | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.049   | 1.9   | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.173   | -2.3  | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.734   | 0.5   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.246   | -0.5  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.866   | 2.3   | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.980   | 4.0   | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.854   | -1.7  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.980   | 2.0   | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.397   | -0.8  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.164   | -2.3  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.741   | 2.5   | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.126   | -2.3  | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.687   | -1.4  | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.248   | 3.5   | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.457   | 1.1   | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.486   | -3.0  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.766   | 4.5   | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.194   | -6.4  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.752   | 4.5   | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.480   | -3.0  | 114   | 0.00     |

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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 | 55.824 | -11.6 | 112   | 0.00     |

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