

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN113021\  
 Data File : VN069677.D  
 Acq On : 30 Nov 2021 10:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 01 01:46:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 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    | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.021  | 12.0   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.170  | 15.7   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.019  | 14.0#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.861  | 6.3    | 103   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 41.682  | 16.6   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.667  | 14.7   | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.629  | -3.3   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.715  | -7.4   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.564  | -5.1   | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 200.164 | 19.9   | 84    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.732  | -1.5#  | 104   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 272.862 | -9.1   | 117   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.962  | -5.9   | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 250.293 | -0.1   | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 255.761 | -2.3   | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.133  | 19.7   | 82    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.696  | 4.6    | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.634  | -9.3   | 112   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.014  | 2.0    | 107   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.215  | 1.6    | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.005  | -12.0  | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 273.482 | -9.4   | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.313  | -8.6   | 113   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 247.891 | 0.8    | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.113  | -14.2  | 113   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.916  | -7.8   | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.466  | -2.9   | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 239.028 | 4.4    | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.082  | -10.2# | 113   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.344  | 9.3    | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.748  | -9.5   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.775  | 2.5    | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.046  | -2.1   | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.714  | -7.4   | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.346  | -4.7   | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.878  | -13.8  | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.944  | -3.9   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.362  | -6.7   | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.434  | -6.9   | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.352  | -14.7  | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.657  | -9.3   | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.299  | -10.6  | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 58.422  | -16.8# | 113   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.253  | -10.5  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 61.019  | -22.0  | 114   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.538  | -7.1   | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 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 | 797.544 | 20.2   | 84    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.782  | 2.4    | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 267.905 | -7.2   | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.706  | -9.4#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.567  | -5.1   | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.697  | -7.4   | 112   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 58.333  | -16.7  | 111   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.021  | -0.0   | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.112  | -14.2  | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 225.449 | 9.8    | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 229.053 | 8.4    | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.739  | -7.5   | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.087  | -2.2   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.471  | -2.9   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.586  | -11.2  | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 56.280  | -12.6  | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 61.234  | -22.5  | 113   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.975  | -12.0# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.032 | -11.0  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.648  | -13.3  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.072  | -4.1   | 107   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.724  | -3.4   | 111   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.336  | -12.7  | 107   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.516  | -5.0   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.856  | -5.7   | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.223  | -8.4   | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 56.220  | -12.4  | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.262  | -14.5  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 56.362  | -12.7  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 57.103  | -14.2  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.059  | 1.9    | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.095  | -14.2  | 109   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.383  | -16.8  | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.957  | -15.9  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.443  | -16.9  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 59.268  | -18.5  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.637  | -13.3  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.138  | -10.3  | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.179  | -16.4  | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.657  | -11.3  | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.955  | -13.9  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.718  | 2.6    | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.864  | 2.3    | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 62.703  | -25.4# | 112   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 41.437  | 17.1   | 87    | 0.00     |

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Sample : VSTDCCC050  
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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 | 48.234 | 3.5  | 97    | 0.00     |

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