

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075637.D  
 Acq On : 08 Dec 2022 09:43  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 09 02:03:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 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    | 121   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.618  | -1.2   | 124   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.582  | 6.8    | 123   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.353  | 5.3#   | 119   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.934  | -5.9   | 123   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.304  | 5.4    | 123   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.225  | 3.5    | 121   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 56.219  | -12.4  | 132   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.762  | -3.5   | 128   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.592  | -13.2  | 138   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 202.259 | 19.1   | 108   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.200  | -2.4#  | 127   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 247.416 | 1.0    | 126   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.091  | 3.8    | 127   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.919 | 8.0    | 114   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 228.344 | 8.7    | 120   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.826  | 2.3    | 120   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.003  | -0.0   | 120   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.178  | -6.4   | 133   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.138  | -12.3  | 133   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.986  | 0.0    | 126   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.099  | -8.2   | 132   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 231.620 | 7.4    | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.710  | -5.4   | 128   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 224.154 | 10.3   | 115   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.157  | 3.7    | 119   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.691  | -9.4   | 130   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.624  | -5.2   | 132   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 228.238 | 8.7    | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.158  | -4.3#  | 132   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.678  | 10.6   | 117   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.017  | -0.0   | 122   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.325  | 1.3    | 122   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 116   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.977  | -12.0  | 125   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.365  | -6.7   | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.392  | 3.2    | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.215  | -10.4  | 124   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.800  | -9.6   | 124   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.323  | -10.6  | 129   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.461  | -4.9   | 124   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.257  | -12.5  | 133   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.243  | -12.5  | 128   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.392  | -12.8  | 133   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.574  | -13.1# | 132   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.538  | -13.1  | 132   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.924  | -15.8  | 133   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.862  | -5.7   | 121   | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 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 | 950.918 | 4.9    | 106   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.655  | -5.3   | 117   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.735 | -1.9   | 117   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.378  | -16.8# | 132   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 61.029  | -22.1  | 130   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 61.486  | -23.0  | 135   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.861  | -13.7  | 135   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.682  | -19.4  | 128   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.232  | -12.5  | 131   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 268.907 | -7.6   | 113   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 254.872 | -1.9   | 115   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 64.023  | -28.0# | 134   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.204  | -14.4  | 130   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 58.595  | -17.2  | 127   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 118   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.456  | 1.1    | 123   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.931  | -11.9  | 132   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.483  | -15.0  | 133   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.707  | -15.4# | 130   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 116.298 | -16.3  | 133   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 58.013  | -16.0  | 136   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 60.809  | -21.6  | 135   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 61.821  | -23.6  | 133   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 123   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.686  | -5.4   | 132   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 54.509  | -9.0   | 130   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.654  | 0.7    | 129   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.548  | -3.1   | 134   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.969  | -7.9   | 137   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.514  | -7.0   | 130   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.990  | -6.0   | 133   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.886  | -9.8   | 132   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.968  | -5.9   | 124   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.990  | -6.0   | 133   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.864  | -5.7   | 130   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.370  | -10.7  | 133   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.190  | -10.4  | 130   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.103  | -14.2  | 133   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.839  | -9.7   | 136   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.792  | -7.6   | 137   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.050  | -12.1  | 132   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.416  | -12.8  | 130   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.156  | -10.3  | 133   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.623  | 4.8    | 111   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 59.946  | -19.9  | 134   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 57.835  | -15.7  | 133   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.293  | -4.6   | 119   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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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 | 57.742 | -15.5 | 134   | 0.00     |

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