

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040622\  
 Data File : VN071871.D  
 Acq On : 06 Apr 2022 10:56  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 07 04:24:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.089  | 9.8   | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.759  | 18.5  | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.654  | 16.7# | 78    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 40.588  | 18.8  | 76    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 38.309  | 23.4  | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.500  | 9.0   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.721  | 2.6   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.033  | 3.9   | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.060  | 9.9   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 235.881 | 5.6   | 83    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.360  | 7.3#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 240.410 | 3.8   | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.034  | 7.9   | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 255.959 | -2.4  | 92    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 207.625 | 17.0  | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.562  | 16.9  | 82    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.922  | 4.2   | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.282  | 3.4   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.120  | 5.8   | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.911  | 8.2   | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.599  | 0.8   | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 254.869 | -1.9  | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.445  | 3.1   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.298 | 3.1   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.411  | 9.2   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.354  | 3.3   | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.679  | 4.6   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.140 | 1.1   | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.276  | 3.4#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.348  | 13.3  | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.466  | 7.1   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.599  | 6.8   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.520  | -3.0  | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.203  | 3.6   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.189  | 1.6   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.314  | 1.4   | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.327  | 1.3   | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.618  | 0.8   | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.856  | -9.7  | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.399  | 5.2   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.537  | 6.9   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.122  | 1.8   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.484  | -3.0# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.844  | 0.3   | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.407  | -4.8  | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.221  | 3.6   | 84    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 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 | 1016.182 | -1.6  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.910   | -1.8  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 264.986  | -6.0  | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.878   | -1.8# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.986   | -4.0  | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.394   | -4.8  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.536   | -3.1  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.645   | -11.3 | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.840   | -1.7  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 218.584  | 12.6  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.906  | -6.4  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.887   | -9.8  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.653   | -3.3  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.876   | -5.8  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.215   | 5.6   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.438   | -0.9  | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.273   | -2.5  | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.041   | -4.1# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.116  | -4.1  | 89    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.046   | -4.1  | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.586   | -11.2 | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.656   | -11.3 | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.765   | 0.5   | 90    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.767   | 0.5   | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.661   | 2.7   | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.708   | -1.4  | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.133   | 5.7   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.807   | -3.6  | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.108   | 1.8   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.793   | -1.6  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.189   | -4.4  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.414   | -0.8  | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.228   | -0.5  | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.911   | -1.8  | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.550   | -5.1  | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.474   | -6.9  | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.380   | 1.2   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.148   | 1.7   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.767   | -5.5  | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.695   | -5.4  | 91    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.926   | 2.1   | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.081   | -2.2  | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.826   | 4.3   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.621   | 2.8   | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.352   | 7.3   | 87    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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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 | 49.860 | 0.3  | 90    | 0.00     |

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