

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081022\  
 Data File : VN073793.D  
 Acq On : 10 Aug 2022 12:17  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 10 22:53:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 05:09:32 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    | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 56.826  | -13.7  | 128   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.894  | -9.8   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.189  | 7.6#   | 104   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 69.533  | -39.1# | 157   | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 53.315  | -6.6   | 108   | -0.02    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 60.189  | -20.4  | 130   | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 51.004  | -2.0   | 114   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.602  | -9.2   | 124   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 58.522  | -17.0  | 113   | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.402 | -0.2   | 105   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.083  | -4.2#  | 119   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 265.720 | -6.3   | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.970  | -1.9   | 112   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.759 | -1.9   | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 292.635 | -17.1  | 137   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.831  | -5.7   | 119   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.525  | 1.0    | 112   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.319  | -6.6   | 113   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.112  | -12.2  | 114   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.697  | -5.4   | 116   | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 51.445  | -2.9   | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 272.435 | -9.0   | 112   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.599  | 0.8    | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.517 | -5.8   | 115   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.071  | -6.1   | 120   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.963  | -3.9   | 115   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.796  | 2.4    | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.547 | -1.0   | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.551  | 0.9#   | 112   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.037  | -0.1   | 115   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.853  | -3.7   | 114   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.550  | 8.9    | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.493  | -5.0   | 108   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 57.104  | -14.2  | 114   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.019  | -8.0   | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.705  | -15.4  | 119   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 61.792  | -23.6  | 118   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.822  | -9.6   | 111   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.642  | -7.3   | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.948  | -7.9   | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.336  | -14.7  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.238  | -12.5  | 114   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.705  | -7.4#  | 110   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.109  | -12.2  | 113   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.355  | -12.7  | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.987  | -16.0  | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 10 22:53:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 05:09:32 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 | 1147.562 | -14.8  | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.026   | -0.1   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 283.180  | -13.3  | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.134   | -16.3# | 111   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 61.148   | -22.3  | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.961   | -17.9  | 112   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.300   | -12.6  | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 64.111   | -28.2# | 111   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.555   | -11.1  | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.486  | -3.0   | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 299.793  | -19.9  | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.707   | -21.4  | 116   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.641   | -15.3  | 112   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.802   | 0.4    | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.354   | -8.7   | 114   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 56.361   | -12.7  | 114   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.867   | -15.7  | 115   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 58.767   | -17.5# | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 121.992  | -22.0  | 114   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 60.859   | -21.7  | 112   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 63.725   | -27.5# | 114   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 61.816   | -23.6  | 118   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.013   | -14.0  | 114   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 57.275   | -14.5  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.733   | 2.5    | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 66.625   | -33.3# | 126   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.932   | -9.9   | 115   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 58.503   | -17.0  | 114   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.816   | -9.6   | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 57.868   | -15.7  | 114   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.191   | -16.4  | 117   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.300   | -12.6  | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.363   | -14.7  | 110   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 59.385   | -18.8  | 114   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 59.638   | -19.3  | 114   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 64.013   | -28.0# | 116   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.811   | -9.6   | 115   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.774   | -7.5   | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 63.921   | -27.8# | 119   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.795   | -13.6  | 117   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.505   | -9.0   | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.896   | -5.8   | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 64.302   | -28.6# | 120   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 60.830   | -21.7  | 125   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 63.593   | -27.2# | 112   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 10 22:53:07 2022  
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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 | 63.285 | -26.6# | 120   | 0.00     |

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