

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090222\  
 Data File : VN074290.D  
 Acq On : 02 Sep 2022 16:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 03 04:39:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 03 04:35:33 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   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.981  | 12.0  | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.871  | 12.3  | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.339  | 7.3#  | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.238  | 1.5   | 104   | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 49.989  | 0.0   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 41.224  | 17.6  | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.263  | 9.5   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.244  | 15.5  | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.455  | 7.1   | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.259 | 9.5   | 88    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 41.283  | 17.4# | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 219.548 | 12.2  | 93    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.234  | 13.5  | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.827 | 5.7   | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 218.553 | 12.6  | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.320  | 15.4  | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.653  | 14.7  | 91    | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.323  | -0.6  | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.702  | 6.6   | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.175  | 9.7   | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.843  | -3.7  | 91    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 266.494 | -6.6  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.039  | 7.9   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.438 | 1.8   | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.730  | 10.5  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.456  | 5.1   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.717  | 6.6   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.957 | -1.2  | 92    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.766  | 2.5#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.623  | 12.8  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.476  | 3.0   | 89    | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.542  | -1.1  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.817  | -3.6  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.171  | 3.7   | 86    | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 49.675  | 0.7   | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.515  | 1.0   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.961  | 0.1   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.435  | -0.9  | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.221  | -0.4  | 98    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.728  | 0.5   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.468  | -6.9  | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.518  | 1.0   | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.288  | -2.6# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.978  | -2.0  | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.541  | -5.1  | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.454  | -10.9 | 103   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 03 04:39:59 2022  
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 Quant Title : SW846 8260  
 QLast Update : Sat Sep 03 04:35:33 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 | 1038.703 | -3.9  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.408   | -6.8  | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 275.466  | -10.2 | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.547   | -7.1# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.669   | -15.3 | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.262   | -8.5  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.510   | -5.0  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.301   | -16.6 | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.101   | -6.2  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 280.554  | -12.2 | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.583  | -11.8 | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.421   | -10.8 | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.660   | -7.3  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.258   | -0.5  | 93    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.846   | 0.3   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.114   | -0.2  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.685   | -1.4  | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.188   | -2.4# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.117  | -3.1  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.945   | -5.9  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.149   | -10.3 | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.872   | -11.7 | 98    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.097   | 1.8   | 90    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 53.704   | -7.4  | 96    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.463   | 1.1   | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.499   | 11.0  | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.672   | 2.7   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.067   | -2.1  | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.650   | 4.7   | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.631   | -3.3  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.599   | -9.2  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.329   | 1.3   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.200   | 1.6   | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.287   | -2.6  | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.302   | -2.6  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.578   | -7.2  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.302   | -0.6  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.998   | -2.0  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.586   | -7.2  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.518   | 9.0   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.413   | 1.2   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.357   | 5.3   | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.787   | -1.6  | 97    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.810   | 0.4   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.795   | -1.6  | 95    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 03 04:39:59 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 | 49.520 | 1.0  | 93    | 0.00     |

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