

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032123\  
 Data File : VN077094.D  
 Acq On : 21 Mar 2023 16:47  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 21 23:19:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 37.484  | 25.0# | 73    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 31.851  | 36.3# | 67    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 37.404  | 25.2# | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.616  | 12.8  | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.975  | -2.0  | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.290  | 11.4  | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.511  | 5.0   | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.615  | 14.8  | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.891  | 10.2  | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 252.962 | -1.2  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.258  | 11.5# | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.681 | 3.3   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.570  | 8.9   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 240.557 | 3.8   | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.151 | 6.7   | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.333  | 17.3  | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.591  | 2.8   | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.172  | 3.7   | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.760  | 10.5  | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.515  | 9.0   | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.553  | 0.9   | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 249.535 | 0.2   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.924  | 8.2   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 246.555 | 1.4   | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.053  | 7.9   | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.969  | 4.1   | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.055  | 1.9   | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.576 | -1.4  | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.459  | 7.1#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.902  | 16.2  | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.540  | 8.9   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.938  | -3.9  | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.800  | 4.4   | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.615  | 8.8   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.349  | 3.3   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.828  | 8.3   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.347  | 7.3   | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.455  | 9.1   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.233  | -2.5  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.961  | 6.1   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.410  | -2.8  | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 42.707  | 14.6  | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.865  | 6.3#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.413  | 7.2   | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.639  | 6.7   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.902  | -3.8  | 96    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|----------|----------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1031.085 | -3.1 | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.396   | -0.8 | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 255.697  | -2.3 | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.673   | 6.7# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.803   | -1.6 | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.723   | 0.6  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.996   | 4.0  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.634   | -3.3 | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.098   | 5.8  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 236.914  | 5.2  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 256.380  | -2.6 | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.249   | 3.5  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.336   | 5.3  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.602   | -5.2 | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0  | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.731   | 14.5 | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 45.356   | 9.3  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.197   | 9.6  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.846   | 4.3# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.787   | 5.2  | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.720   | 4.6  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.848   | -1.7 | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.495   | 3.0  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0  | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.490   | 7.0  | 91    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.297   | -0.6 | 96    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 42.640   | 14.7 | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.703   | 0.6  | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.204   | 11.6 | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.161   | 3.7  | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.538   | 8.9  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.581   | 4.8  | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.587   | -5.2 | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.200   | 5.6  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.499   | 7.0  | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.465   | 5.1  | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.886   | 2.2  | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.501   | 1.0  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 44.060   | 11.9 | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 43.505   | 13.0 | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.333   | -0.7 | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.844   | 12.3 | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.931   | 12.1 | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.484   | 7.0  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.816   | 2.4  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.184   | 13.6 | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.179   | 11.6 | 88    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
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 | 48.457 | 3.1  | 90    | 0.00     |

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