

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050324\  
 Data File : VN081983.D  
 Acq On : 03 May 2024 11:07  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 06 01:51:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 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   | 78    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.205  | 13.6  | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.049  | 13.9  | 68    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.495  | 7.0#  | 71    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.963  | -11.9 | 80    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.476  | -9.0  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.707  | 12.6  | 67    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.761  | -7.5  | 82    | 0.01     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.929  | 0.1   | 76    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.771  | -7.5  | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 229.402 | 8.2   | 72    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.877  | 2.2#  | 76    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.535 | 12.6  | 66    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.953  | 16.1  | 70    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 259.866 | -3.9  | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 254.120 | -1.6  | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.607  | 16.8  | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.757  | -9.5  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.939  | -1.9  | 79    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.284  | 1.4   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.260  | 5.5   | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.958  | -3.9  | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.101 | -2.8  | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.748  | -3.5  | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 254.987 | -2.0  | 82    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.760  | 8.5   | 72    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.065  | -2.1  | 80    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.032  | -6.1  | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.486 | 0.2   | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.525  | 3.0#  | 77    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.459  | 9.1   | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.508  | 11.0  | 70    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.628  | -5.3  | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.195  | -8.4  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.479  | 9.0   | 75    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.830  | 2.3   | 78    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.193  | 15.6  | 68    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.848  | 8.3   | 76    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.586  | 0.8   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.197  | 7.6   | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.804  | 10.4  | 75    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.097  | 3.8   | 81    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.484  | 9.0   | 76    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.714  | -1.4# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.187  | 7.6   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 45.092  | 9.8   | 76    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.395  | 7.2   | 79    | 0.00     |

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

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 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 | 958.816 | 4.1  | 77    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 54.846  | -9.7 | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 247.850 | 0.9  | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.805  | 2.4# | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.235  | 7.5  | 74    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.402  | 3.2  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.245  | 1.5  | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.044  | 3.9  | 78    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.216  | 1.6  | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.780 | -3.5 | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 244.198 | 2.3  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.925  | 6.2  | 76    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.170  | 3.7  | 78    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.885  | 8.2  | 71    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.182  | 15.6 | 69    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.636  | 2.7  | 79    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.181  | 1.6  | 80    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.947  | 4.1# | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.042  | 3.0  | 78    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.978  | 2.0  | 80    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.537  | 2.9  | 79    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 42.850  | 14.3 | 73    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.369  | 5.3  | 76    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.581  | 4.8  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.147  | -2.3 | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.524  | 7.0  | 78    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.038  | 7.9  | 75    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.623  | 4.8  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.736  | 10.5 | 73    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.390  | 9.2  | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.901  | -1.8 | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.051  | 7.9  | 72    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.367  | 9.3  | 75    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.537  | 8.9  | 73    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.064  | 3.9  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.415  | 5.2  | 76    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.724  | 6.6  | 76    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.180  | 1.6  | 79    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.032  | -0.1 | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.278  | 7.4  | 73    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.330  | 1.3  | 80    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.241  | 13.5 | 72    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.079  | -0.2 | 79    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.838  | 10.3 | 66    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.240  | -4.5 | 82    | 0.00     |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 26 05:26:49 2024  
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 | 51.603 | -3.2 | 78    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6