

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
 Data File : VN083819.D  
 Acq On : 12 Sep 2024 08:42  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 12 16:44:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 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  | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.404  | 3.2  | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.687  | 2.6  | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.368  | 7.3# | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.814  | 10.4 | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.376  | 13.2 | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.679  | 6.6  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.612  | 2.8  | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.884  | 4.2  | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.077  | 3.8  | 91    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 246.609 | 1.4  | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.353  | 5.3# | 91    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 219.697 | 12.1 | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.829  | 4.3  | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 246.767 | 1.3  | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 250.891 | -0.4 | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.319  | 13.4 | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.010  | -6.0 | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.703  | 2.6  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.123  | 5.8  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.781  | 10.4 | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.996  | 2.0  | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 255.131 | -2.1 | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.141  | 5.7  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.580 | 3.0  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.431  | 3.1  | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.931  | 6.1  | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.889  | 0.2  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.540 | 1.0  | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.108  | 5.8# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.254  | 15.5 | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.200  | 5.6  | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.537  | -3.1 | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.676  | -1.4 | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.159  | 5.7  | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.078  | -2.2 | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.050  | 3.9  | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.620  | 6.8  | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.019  | 4.0  | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.330  | -0.7 | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.919  | 2.2  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.307  | -6.6 | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.702  | 6.6  | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.223  | 3.6# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.292  | 1.4  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.363  | 1.3  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.028  | -2.1 | 98    | 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

Quant Time: Sep 12 16:44:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 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 | 962.695 | 3.7    | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.301  | -6.6   | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.350 | -4.1   | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.033  | 1.9#   | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.173  | -0.3   | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.488  | -1.0   | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.863  | 4.3    | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.421  | -6.8   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.306  | 1.4    | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 316.312 | -26.5# | 129   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.562 | -6.2   | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.337  | -0.7   | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.180  | 1.6    | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.071  | -0.1   | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.190  | 9.6    | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.077  | 5.8    | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.541  | 2.9    | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.435  | 3.1#   | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.334  | 2.7    | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.487  | 1.0    | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.279  | -0.6   | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.815  | -3.6   | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.282  | 1.4    | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.748  | -5.5   | 96    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.304  | 3.4    | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.738  | 6.5    | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.374  | 7.3    | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.608  | 2.8    | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.719  | 4.6    | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.135  | 1.7    | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.603  | -5.2   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.689  | 4.6    | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.756  | 2.5    | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.207  | 1.6    | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.358  | 1.3    | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.887  | 0.2    | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.886  | 8.2    | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.911  | 10.2   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.581  | 4.8    | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.764  | 6.5    | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.166  | 5.7    | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.816  | -3.6   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.352  | 9.3    | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.830  | 8.3    | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.004  | -0.0   | 88    | 0.00     |

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

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 12 16:44:18 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 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 | 46.741 | 6.5  | 87    | 0.00     |

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