

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102224\  
 Data File : VN084450.D  
 Acq On : 22 Oct 2024 12:50  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 23 01:25:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.436  | 19.1  | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.365  | 13.3  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.994  | 8.0#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.260  | 11.5  | 87    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 41.236  | 17.5  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.170  | 1.7   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.999  | 2.0   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.731  | 0.5   | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.766  | -1.5  | 93    | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.618 | 13.8  | 84    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.058  | -2.1# | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 227.519 | 9.0   | 88    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.588  | -3.2  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 249.703 | 0.1   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.375 | 4.7   | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.712  | 8.6   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.574  | 2.9   | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.320  | -2.6  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.790  | 0.4   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.129  | -4.3  | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.493  | -1.0  | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 259.866 | -3.9  | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.151  | -2.3  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.024 | 2.8   | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.135  | -2.3  | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.122  | -2.2  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.121  | 3.8   | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 234.864 | 6.1   | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.493  | -3.0# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.545  | 8.9   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.361  | -2.7  | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.289  | 5.4   | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.860  | -1.7  | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.238  | -4.5  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.758  | 4.5   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.474  | -4.9  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.374  | -8.7  | 96    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.231  | -4.5  | 97    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.594  | -3.2  | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.507  | -3.0  | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 42.196  | 15.6  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.965  | -5.9  | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.771  | -7.5# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.158  | -10.3 | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.365  | -6.7  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.341  | -2.7  | 91    | 0.00     |

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 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 23 01:25:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 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 | 1021.535 | -2.2  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.468   | -0.9  | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.776  | -4.3  | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.965   | -7.9# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.570   | -7.1  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.216   | -8.4  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.918   | -9.8  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.855   | -9.7  | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.807   | -5.6  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 274.020  | -9.6  | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.349  | -2.9  | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.202   | -10.4 | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.700   | -5.4  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.620   | -3.2  | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.605   | -3.2  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.353   | -4.7  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.606   | -5.2  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.745   | -5.5# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.934  | -8.9  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.153   | -10.3 | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.245   | -12.5 | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.380   | -8.8  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.598   | -3.2  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.839   | 4.3   | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.254   | 1.5   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.781   | 8.4   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.012   | -2.0  | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.618   | -7.2  | 99    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.998   | -2.0  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.830   | -7.7  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.495   | 5.0   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.701   | -3.4  | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.702   | -3.4  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.030   | -8.1  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.176   | -8.4  | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.249   | -10.5 | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.592   | -3.2  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.140   | -2.3  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.864   | -5.7  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.520   | 1.0   | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.456   | -0.9  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.726   | 6.5   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.732   | -9.5  | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.655   | 0.7   | 107   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.976   | -2.0  | 94    | 0.00     |

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Data File : VN084450.D  
Acq On : 22 Oct 2024 12:50  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 23 01:25:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 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 | 53.319 | -6.6 | 102   | 0.00     |

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