

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110724\  
 Data File : VN084735.D  
 Acq On : 07 Nov 2024 20:46  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 00:36:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 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   | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.717  | 12.6  | 95    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 39.605  | 20.8  | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.161  | 13.7# | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.619  | 12.8  | 101   | -0.05    |
| 6 T   | Chloroethane                | 50.000  | 44.054  | 11.9  | 94    | -0.05    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.604  | 8.8   | 101   | -0.03    |
| 8 T   | Diethyl Ether               | 50.000  | 47.036  | 5.9   | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.043  | 7.9   | 99    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 47.327  | 5.3   | 103   | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 229.474 | 8.2   | 106   | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.920  | 12.2# | 97    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 183.617 | 26.6# | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.944  | 10.1  | 94    | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 237.198 | 5.1   | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 236.164 | 5.5   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.358  | 23.3  | 87    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 42.643  | 14.7  | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.520  | 1.0   | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.419  | 9.2   | 100   | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.439  | 11.1  | 96    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 47.668  | 4.7   | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.647 | 4.5   | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.806  | 8.4   | 99    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 238.141 | 4.7   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.302  | 15.4  | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.313  | 7.4   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.706  | -7.4  | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.077 | 6.0   | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.561  | 4.9#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.299  | 13.4  | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.320  | 5.4   | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.957  | 12.1  | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.262  | 5.5   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.890  | 8.2   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.009  | 6.0   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.461  | 3.1   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.363  | -0.7  | 97    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.210  | 7.6   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.539  | 2.9   | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.476  | 5.0   | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.003  | 10.0  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.248  | 7.5   | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.945  | 4.1#  | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.071  | 3.9   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.102  | 3.8   | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.620  | -1.2  | 100   | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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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 | 977.284 | 2.3   | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.608  | 6.8   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.676 | -1.9  | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.510  | 1.0#  | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.804  | 6.4   | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.406  | 7.2   | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.166  | 1.7   | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.147  | -10.3 | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.122  | 1.8   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 266.831 | -6.7  | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 261.372 | -4.5  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.798  | -1.6  | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.221  | 3.6   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.430  | 3.1   | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.243  | 1.5   | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.247  | 7.5   | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.289  | 3.4   | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.101  | 1.8#  | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.316  | 0.7   | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.908  | -1.8  | 101   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.137  | -2.3  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.331  | 1.3   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.811  | 4.4   | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.012  | 6.0   | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 42.449  | 15.1  | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.731  | 4.5   | 117   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 43.280  | 13.4  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.288  | 5.4   | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.973  | 8.1   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.614  | -1.2  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.619  | 14.8  | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.045  | 11.9  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.600  | -5.2  | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.887  | 2.2   | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.617  | 2.8   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.984  | -2.0  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 41.975  | 16.0  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.676  | 8.6   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.344  | 11.3  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.009  | 14.0  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.590  | 12.8  | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 41.719  | 16.6  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 40.398  | 19.2  | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.486  | 19.0  | 102   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.720  | 12.6  | 99    | 0.00     |

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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 | 40.823 | 18.4 | 99    | 0.00     |

(#) = Out of Range

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