

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110824\  
 Data File : VN084761.D  
 Acq On : 08 Nov 2024 19:44  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 22:37:33 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.645  | 16.7  | 77    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.985  | 18.0  | 74    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.523  | 11.0# | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.910  | 8.2   | 91    | -0.05    |
| 6 T   | Chloroethane                | 50.000  | 47.018  | 6.0   | 86    | -0.05    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.037  | 11.9  | 84    | -0.03    |
| 8 T   | Diethyl Ether               | 50.000  | 49.263  | 1.5   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.153  | 13.7  | 80    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 50.201  | -0.4  | 94    | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 247.098 | 1.2   | 97    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.200  | 11.6# | 84    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 266.973 | -6.8  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.424  | 7.2   | 84    | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 243.917 | 2.4   | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 251.462 | -0.6  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 37.981  | 24.0  | 74    | -0.02    |
| 18 T  | Methyl Acetate              | 50.000  | 46.128  | 7.7   | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.720  | -5.4  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.006  | 4.0   | 91    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.901  | 8.2   | 85    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 51.170  | -2.3  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 254.260 | -1.7  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.960  | 4.1   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 246.947 | 1.2   | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.272  | 9.5   | 82    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.747  | 2.5   | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 58.687  | -17.4 | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 242.301 | 3.1   | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.016  | -0.0# | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 40.479  | 19.0  | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.860  | 2.3   | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.699  | -3.4  | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.805  | -3.6  | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.185  | 13.6  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.723  | 4.6   | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.534  | 6.9   | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.143  | 9.7   | 78    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.489  | 9.0   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.967  | -3.9  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.633  | 2.7   | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.578  | 0.8   | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.624  | 8.8   | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.010  | 4.0#  | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.372  | 3.3   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.898  | 0.2   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.298  | -2.6  | 91    | 0.00     |

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Instrument :  
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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 | 1024.951 | -2.5  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.238   | -2.5  | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.554  | -0.6  | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.933   | 4.1#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.912   | 6.2   | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.515   | 5.0   | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.143   | 1.7   | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.724   | -9.4  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.490   | 1.0   | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 267.152  | -6.9  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.313  | -2.1  | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.259   | -4.5  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.966   | 4.1   | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.448   | -12.9 | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.374   | 11.3  | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.169   | 11.7  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.831   | 4.3   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.703   | 6.6#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 92.969   | 7.0   | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.500   | 3.0   | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.041   | 3.9   | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.312   | -0.6  | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 106   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 41.079   | 17.8  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.258   | 13.5  | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 39.892   | 20.2  | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 37.506   | 25.0  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 39.124   | 21.8  | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 40.088   | 19.8  | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 40.116   | 19.8  | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 42.903   | 14.2  | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.595   | 12.8  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 38.381   | 23.2  | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 43.255   | 13.5  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 43.009   | 14.0  | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 41.154   | 17.7  | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 43.523   | 13.0  | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 37.655   | 24.7  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 39.773   | 20.5  | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 37.890   | 24.2  | 80    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 36.906   | 26.2# | 82    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 38.875   | 22.3  | 90    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 37.744   | 24.5  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 34.628   | 30.7# | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 35.343   | 29.3# | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 38.303   | 23.4  | 84    | 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 | 35.743 | 28.5# | 84    | 0.00     |

(#) = Out of Range

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