

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072424\  
 Data File : VN083033.D  
 Acq On : 24 Jul 2024 16:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 25 02:41:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 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     | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.822  | 10.4    | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 37.438  | 25.1#   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.004  | 8.0#    | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.599  | 10.8    | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.250  | -12.5   | 120   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.894  | -1.8    | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.764  | 2.5     | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.515  | -7.0    | 110   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.293  | 7.4     | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 271.099 | -8.4    | 113   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.450  | 3.1#    | 100   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 524.490 | -109.8# | 222   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.931  | 0.1     | 109   | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 271.345 | -8.5    | 114   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 260.062 | -4.0    | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 39.248  | 21.5    | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 67.080  | -34.2#  | 147   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.335  | -4.7    | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.135  | -4.3    | 115   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.106  | 3.8     | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.820  | -7.6    | 111   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.010 | -4.0    | 104   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.187  | -10.4   | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 271.102 | -8.4    | 114   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.151  | -8.3    | 110   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.976  | -6.0    | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 57.986  | -16.0   | 126   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 270.987 | -8.4    | 113   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.967  | -11.9#  | 118   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.345  | 11.3    | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.418  | -6.8    | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.191  | -8.4    | 116   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0     | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.659  | -13.3   | 117   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.505  | -5.0    | 105   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.107  | -4.2    | 109   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.407  | -4.8    | 106   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.096  | 11.8    | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.128  | -8.3    | 112   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.450  | -6.9    | 112   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.326  | -12.7   | 116   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.923  | 0.2     | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.165  | 3.7     | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 58.553  | -17.1#  | 118   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.674  | -15.3   | 118   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.500  | -15.0   | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.322  | -10.6   | 112   | 0.00     |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

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 MSVOA\_N  
 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 | 1094.688 | -9.5  | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 55.613   | -11.2 | 113   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 301.066  | -20.4 | 122   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.562   | -9.1# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.984   | -10.0 | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.909   | -7.8  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 60.627   | -21.3 | 122   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.573   | -19.1 | 112   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.478   | -15.0 | 118   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 310.806  | -24.3 | 120   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 298.833  | -19.5 | 117   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.969   | -15.9 | 116   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.203   | -14.4 | 115   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.198   | -2.4  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.445   | 9.1   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.955   | -1.9  | 112   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.759   | -11.5 | 121   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.372   | -2.7# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.855  | -6.9  | 110   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.099   | -4.2  | 107   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.844   | -13.7 | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.294   | -12.6 | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 114   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.815   | 4.4   | 107   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.734   | -1.5  | 111   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.412   | -4.8  | 126   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 60.296   | -20.6 | 141   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.617   | 4.8   | 112   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.370   | -0.7  | 112   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.397   | 5.2   | 110   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.440   | 1.1   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.109   | -0.2  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.656   | 4.7   | 110   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.761   | 6.5   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.596   | 0.8   | 108   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.948   | 2.1   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.646   | 2.7   | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.212   | 1.6   | 114   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.161   | 7.7   | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.272   | 7.5   | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.176   | 5.6   | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.398   | 1.2   | 117   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.174   | 9.7   | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.017   | 16.0  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.401   | 17.2  | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 42.736   | 14.5  | 95    | 0.00     |

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ALS Vial : 15 Sample Multiplier: 1

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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 | 42.880 | 14.2 | 100   | 0.00     |

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