

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071124\  
 Data File : VN082887.D  
 Acq On : 11 Jul 2024 19:35  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 12 01:11:43 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    | 74    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.648  | -7.3   | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.757  | -5.5   | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.892  | -9.8#  | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.710  | 22.6   | 61    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.320  | -12.6  | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.594  | -9.2   | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 58.534  | -17.1  | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.484  | -9.0   | 80    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 39.596  | 20.8   | 53    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 273.496 | -9.4   | 82    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.384  | -6.8#  | 79    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 257.987 | -3.2   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.965  | -7.9   | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 294.184 | -17.7  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 278.325 | -11.3  | 86    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.502  | 1.0    | 77    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.866  | -19.7  | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 58.222  | -16.4  | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.474  | -10.9  | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.001  | -6.0   | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 62.131  | -24.3  | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 313.294 | -25.3# | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 58.606  | -17.2  | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 291.168 | -16.5  | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.946  | 2.1    | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.992  | -12.0  | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 60.675  | -21.3  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 305.710 | -22.3  | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 58.361  | -16.7# | 88    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.836  | 6.3    | 76    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 57.035  | -14.1  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.269  | -8.5   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 77    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.304  | -4.6   | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.409  | -6.8   | 81    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 57.390  | -14.8  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.438  | -4.9   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.021  | 4.0    | 72    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.392  | -10.8  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 56.804  | -13.6  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 58.225  | -16.5  | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.987  | -12.0  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.349  | -2.7   | 80    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 58.491  | -17.0# | 89    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.624  | -13.2  | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.875  | -13.8  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 59.155  | -18.3  | 90    | 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 | 1149.899 | -15.0  | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.626   | -3.3   | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 302.433  | -21.0  | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.124   | -12.2# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.878   | -11.8  | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.338   | -10.7  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 59.759   | -19.5  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.880   | -27.8# | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 58.445   | -16.9  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 336.187  | -34.5# | 97    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 311.409  | -24.6  | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.333   | -16.7  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.816   | -15.6  | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.595   | -3.2   | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 79    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.848   | 0.3    | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.524   | -5.0   | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.652   | -9.3   | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.083   | -6.2#  | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.960  | -9.0   | 82    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.971   | -11.9  | 85    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.725   | -17.5  | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.548   | -13.1  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 78    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.698   | -5.4   | 81    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 61.620   | -23.2  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.633   | -11.3  | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 65.486   | -31.0# | 105   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.043   | -6.1   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.770   | -5.5   | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.698   | -5.4   | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.700   | -7.4   | 81    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.089   | -4.2   | 75    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.796   | -5.6   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.446   | -2.9   | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.113   | -8.2   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.140   | -2.3   | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.842   | -5.7   | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.862   | -3.7   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.901   | 0.2    | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.875   | 0.3    | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.662   | 0.7    | 79    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.310   | -2.6   | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.315   | -8.6   | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.539   | 0.9    | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.869   | 12.3   | 71    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.511   | -5.0   | 80    | 0.00     |

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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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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 | 49.040 | 1.9  | 78    | 0.00     |

(#) = Out of Range

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