

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102422\  
 Data File : VN075001.D  
 Acq On : 24 Oct 2022 22:15  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 25 06:53:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102022W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 21 09:37:47 2022  
 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   | 131   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.933  | 8.1   | 142   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.898  | 18.2  | 107   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 38.743  | 22.5# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 37.748  | 24.5  | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 40.852  | 18.3  | 107   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.066  | -4.1  | 140   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.042  | 9.9   | 138   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.288  | -2.6  | 137   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.228  | 1.5   | 137   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 209.370 | 16.3  | 117   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.177  | -2.4# | 137   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 292.820 | -17.1 | 157   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 36.671  | 26.7# | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 220.553 | 11.8  | 120   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.636 | 11.7  | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.489  | 15.0  | 114   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.698  | 14.6  | 126   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.044  | 7.9   | 127   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.257  | 3.5   | 129   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.693  | 8.6   | 127   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.668  | 12.7  | 122   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 201.512 | 19.4  | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 42.756  | 14.5  | 121   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 202.138 | 19.1  | 114   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 36.750  | 26.5# | 101   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 43.779  | 12.4  | 125   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.990  | 10.0  | 119   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.918 | 16.0  | 116   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.107  | 11.8# | 125   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 39.544  | 20.9  | 117   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 43.473  | 13.1  | 122   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.425  | 15.2  | 118   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 125   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.689  | 4.6   | 128   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 41.620  | 16.8  | 119   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.194  | 15.6  | 120   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.308  | 9.4   | 123   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.845  | 16.3  | 114   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 43.237  | 13.5  | 120   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 42.479  | 15.0  | 117   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 40.878  | 18.2  | 115   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.155  | 13.7  | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.659  | 10.7  | 128   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 43.599  | 12.8# | 120   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 44.871  | 10.3  | 122   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 43.933  | 12.1  | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.162  | 9.7   | 120   | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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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 | 891.913 | 10.8  | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.236  | 5.5   | 123   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 217.379 | 13.0  | 113   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 44.956  | 10.1# | 120   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.507  | 7.0   | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 44.145  | 11.7  | 118   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.695  | 6.6   | 122   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.392  | 5.2   | 123   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 44.475  | 11.0  | 120   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 201.765 | 19.3  | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 218.134 | 12.7  | 112   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.625  | 2.8   | 125   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.662  | 4.7   | 126   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.669  | 2.7   | 123   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 122   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.394  | 15.2  | 123   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 45.488  | 9.0   | 122   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.435  | 5.1   | 122   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.714  | 6.6#  | 121   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.605  | 2.4   | 124   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.718  | 4.6   | 120   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.411  | 1.2   | 118   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.056  | -0.1  | 125   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 120   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.134  | 9.7   | 123   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 41.646  | 16.7  | 115   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 41.353  | 17.3  | 119   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 40.735  | 18.5  | 117   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 43.994  | 12.0  | 126   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 42.817  | 14.4  | 116   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 42.499  | 15.0  | 119   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.934  | 8.1   | 122   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.118  | 1.8   | 120   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 42.499  | 15.0  | 119   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.483  | 7.0   | 122   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.063  | 3.9   | 126   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.808  | 8.4   | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.060  | 5.9   | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.788  | 6.4   | 122   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.665  | 8.7   | 121   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 43.590  | 12.8  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.100  | 11.8  | 118   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.474  | 7.1   | 124   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.031  | 13.9  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.172  | 7.7   | 117   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.524  | 19.0  | 113   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 61.055  | -22.1 | 150   | 0.00     |

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QLast Update : Fri Oct 21 09:37:47 2022  
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 | 46.642 | 6.7  | 121   | 0.00     |

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