

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111521\  
 Data File : VN069483.D  
 Acq On : 15 Nov 2021 10:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 16 00:46:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 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    | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.093  | -2.2   | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.872  | 8.3    | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.718  | 4.6#   | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.015  | 16.0   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.255  | 11.5   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.244  | 7.5    | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.829  | 0.3    | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.039  | -4.1   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.774  | -3.5   | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 218.290 | 12.7   | 95    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.292  | -0.6#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 245.665 | 1.7    | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.393  | -2.8   | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 249.396 | 0.2    | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 261.980 | -4.8   | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.322  | 3.4    | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.805  | 6.4    | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.669  | -5.3   | 111   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.105  | 3.8    | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.065  | -2.1   | 109   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.506  | -7.0   | 112   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 265.736 | -6.3   | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.218  | -4.4   | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 255.006 | -2.0   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.345  | -10.7  | 113   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.726  | -5.5   | 111   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.487  | -5.0   | 116   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.174 | 1.5    | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.721  | -5.4#  | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.753  | 4.5    | 108   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.645  | -7.3   | 110   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.551  | -3.1   | 117   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.038  | -8.1   | 117   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.556  | -9.1   | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.701  | -5.4   | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.891  | -11.8  | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.879  | -7.8   | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.403  | -6.8   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.595  | -1.2   | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.667  | -7.3   | 110   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.088  | -6.2   | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.961  | -9.9   | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.498  | -11.0# | 112   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.501  | -7.0   | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.906  | -15.8  | 112   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.750  | -3.5   | 99    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 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 | 898.767 | 10.1   | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.038  | -8.1   | 113   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.033 | -7.2   | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.488  | -9.0#  | 107   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.300  | -0.6   | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.355  | -2.7   | 111   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.469  | -10.9  | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.900  | 2.2    | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.522  | -9.0   | 110   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 198.308 | 20.7   | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 237.944 | 4.8    | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.885  | -1.8   | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.303  | -0.6   | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.819  | -11.6  | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.022  | -10.0  | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.078  | -8.2   | 109   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.940  | -13.9  | 109   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.128  | -10.3# | 109   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.532 | -10.5  | 107   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.231  | -10.5  | 107   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.933  | -1.9   | 109   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.422  | 1.2    | 111   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.464  | -4.9   | 109   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.428  | -2.9   | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.379  | 1.2    | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.569  | 0.9    | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.002  | -4.0   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.305  | -8.6   | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.104  | -4.2   | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.412  | -6.8   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.926  | 4.1    | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.862  | -7.7   | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.169  | -8.3   | 110   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.304  | -8.6   | 109   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.206  | -10.4  | 111   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.709  | -11.4  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.010  | -8.0   | 110   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.004  | -6.0   | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.582  | -13.2  | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.755  | -1.5   | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.007  | -8.0   | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.287  | 5.4    | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.854  | 4.3    | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.423  | -16.8  | 114   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 42.060  | 15.9   | 96    | 0.00     |

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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.567 | 4.9  | 104   | 0.00     |

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