

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091621\  
 Data File : VN068509.D  
 Acq On : 16 Sep 2021 21:16  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 02:03:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 10 04:04:05 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 38.230  | 23.5  | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.639  | 16.7  | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.125  | 9.8#  | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.835  | 12.3  | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.546  | 8.9   | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 40.529  | 18.9  | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.559  | 2.9   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 39.413  | 21.2  | 76    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.153  | 3.7   | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 244.922 | 2.0   | 89    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.172  | 11.7# | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 230.587 | 7.8   | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.111  | 5.8   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 244.803 | 2.1   | 92    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 212.039 | 15.2  | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.317  | 17.4  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.168  | -0.3  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.484  | -3.0  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.870  | -1.7  | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.804  | 8.4   | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.720  | -3.4  | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 266.535 | -6.6  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.190  | 3.6   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 244.282 | 2.3   | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.063  | 13.9  | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.866  | 2.3   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.980  | -12.0 | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.770 | -1.1  | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.082  | 1.8#  | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 38.483  | 23.0  | 74    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.008  | 2.0   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 57.134  | -14.3 | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.470  | -12.9 | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.552  | 10.9  | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.439  | 3.1   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.635  | 4.7   | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.084  | 17.8  | 75    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.122  | 1.8   | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.385  | 3.2   | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.460  | 3.1   | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.085  | -0.2  | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.862  | 6.3   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.243  | 3.5#  | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.976  | -2.0  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.679  | -3.4  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.078  | -8.2  | 95    | 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 | 1017.837 | -1.8   | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 56.164   | -12.3  | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.301  | -4.9   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.138   | -2.3#  | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.473   | -8.9   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.112   | -4.2   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.438   | -6.9   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.139   | -16.3  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.097   | -4.2   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 340.137  | -36.1# | 143   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.147  | -11.7  | 100   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.834   | -15.7  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.693   | -9.4   | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 60.406   | -20.8  | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 41.452   | 17.1   | 75    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.754   | 0.5    | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.697   | -7.4   | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.513   | 1.0#   | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.385  | -2.4   | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.977   | -6.0   | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.231   | -12.5  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 62.555   | -25.1# | 101   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.320   | 9.4    | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.828   | -7.7   | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.719   | 4.6    | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.970   | 16.1   | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.765   | 0.5    | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.786   | 10.4   | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.586   | 8.8    | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.464   | 5.1    | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.825   | -11.7  | 104   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.640   | 8.7    | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.582   | 4.8    | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.855   | 2.3    | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.118   | 7.8    | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.046   | 3.9    | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.654   | 2.7    | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.978   | 4.0    | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.874   | 8.3    | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.681   | 0.6    | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.036   | -0.1   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.025   | -0.0   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.947   | -5.9   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.530   | 4.9    | 85    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.375   | 11.3   | 90    | 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 | 52.026 | -4.1 | 86    | 0.00     |

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