

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022822\  
 Data File : VN071087.D  
 Acq On : 28 Feb 2022 11:01  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 28 16:05:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 07:57:15 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    | 80    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.970  | 4.1    | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.874  | -1.7   | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.605  | 4.8#   | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.532  | 4.9    | 75    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 48.047  | 3.9    | 85    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.564  | -5.1   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.712  | -5.4   | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.996  | -2.0   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.367  | -0.7   | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 266.319 | -6.5   | 84    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.794  | 2.4#   | 82    | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 266.723 | -6.7   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.191  | -10.4  | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 288.838 | -15.5  | 94    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 251.799 | -0.7   | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.452  | 13.1   | 74    | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 59.839  | -19.7  | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.331  | -12.7  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.296  | -4.6   | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.997  | 0.0    | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 60.677  | -21.4  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 301.309 | -20.5  | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.683  | -11.4  | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 286.555 | -14.6  | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.349  | -8.7   | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.092  | -6.2   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 59.101  | -18.2  | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 297.205 | -18.9  | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.202  | -8.4#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.829  | -5.7   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.523  | -7.0   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.476  | -13.0  | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.971  | -9.9   | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.795  | -3.6   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 59.823  | -19.6  | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.384  | -4.8   | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.697  | -1.4   | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.076  | -8.2   | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 58.042  | -16.1  | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.018  | -10.0  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 59.718  | -19.4  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.922  | 0.2    | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.192  | -14.4# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.790  | -5.6   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.460  | -10.9  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 61.567  | -23.1  | 97    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 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 | 1128.354 | -12.8  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.083   | -8.2   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 303.472  | -21.4  | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.831   | -7.7#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.323   | -10.6  | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.082   | -12.2  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.183   | -8.4   | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.233   | -18.5  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.827   | -11.7  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 224.578  | 10.2   | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 302.759  | -21.1  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.309   | -8.6   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.673   | -7.3   | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.978   | -6.0   | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.059   | 9.9    | 77    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.573   | -3.1   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.306   | -6.6   | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.914   | -7.8#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.702  | -6.7   | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.630   | -7.3   | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.432   | -8.9   | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.685   | -5.4   | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 59.048   | -18.1  | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 64.583   | -29.2# | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 58.634   | -17.3  | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.499   | -7.0   | 73    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.969   | -11.9  | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 58.789   | -17.6  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 58.797   | -17.6  | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 58.653   | -17.3  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 61.901   | -23.8  | 90    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.732   | -15.5  | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.933   | -13.9  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.167   | -16.3  | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.969   | -15.9  | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.163   | -14.3  | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.662   | -7.3   | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.509   | -5.0   | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.786   | -5.6   | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 59.676   | -19.4  | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.741   | -9.5   | 80    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.707   | -11.4  | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.832   | 14.3   | 64    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.847   | 10.3   | 67    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 38.688   | 22.6   | 62    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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 | 42.528 | 14.9 | 64    | 0.00     |

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