

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092521\  
 Data File : VN068682.D  
 Acq On : 25 Sep 2021 21:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 27 04:49:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 13:52:37 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    | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.333  | 21.3   | 62    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 30.133  | 39.7#  | 49    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 37.965  | 24.1#  | 63    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 61.949  | -23.9  | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.387  | -8.8   | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 38.970  | 22.1   | 62    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 41.079  | 17.8   | 65    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 39.577  | 20.8   | 64    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.578  | 20.8   | 64    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 182.447 | 27.0#  | 60    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 38.930  | 22.1#  | 62    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 201.033 | 19.6   | 70    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 37.141  | 25.7#  | 58    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 203.317 | 18.7   | 63    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 191.578 | 23.4   | 59    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 34.279  | 31.4#  | 55    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 38.402  | 23.2   | 64    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 41.165  | 17.7   | 64    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 41.422  | 17.2   | 64    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 38.802  | 22.4   | 61    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 40.062  | 19.9   | 61    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 203.204 | 18.7   | 62    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 40.516  | 19.0   | 65    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 197.436 | 21.0   | 62    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 33.867  | 32.3#  | 56    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 40.856  | 18.3   | 65    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.394  | 13.2   | 71    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 210.590 | 15.8   | 64    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 41.698  | 16.6#  | 66    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 36.946  | 26.1#  | 60    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 42.124  | 15.8   | 66    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.003  | 10.0   | 72    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 78    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.053  | 3.9    | 75    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 40.574  | 18.9   | 62    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 41.656  | 16.7   | 64    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.235  | 13.5   | 67    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 59.172  | -18.3  | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 41.929  | 16.1   | 64    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 40.265  | 19.5   | 64    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 41.805  | 16.4   | 66    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.824  | 12.4   | 68    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.596  | 12.8   | 67    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.902  | -13.8# | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.630  | 6.7    | 70    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.033  | 3.9    | 73    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.773  | 6.5    | 67    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 27 04:49:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 13:52:37 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 | 840.913 | 15.9   | 62    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.783  | -1.6   | 81    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 318.548 | -27.4# | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.000  | 10.0#  | 67    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.277  | 5.4    | 70    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 65.830  | -31.7# | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.481  | -5.0   | 79    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.885  | -1.8   | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.860  | 0.3    | 74    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 201.393 | 19.4   | 66    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 246.768 | 1.3    | 72    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 73.676  | -47.4# | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 71.529  | -43.1# | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.000  | 4.0    | 77    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 115   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 30.116  | 39.8#  | 69    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.752  | 10.5   | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.336  | 7.3    | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 44.528  | 10.9#  | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 88.124  | 11.9   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 42.401  | 15.2   | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 43.446  | 13.1   | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 37.942  | 24.1   | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 36.415  | 27.2#  | 75    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.544  | 4.9    | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 35.375  | 29.3#  | 75    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 34.984  | 30.0#  | 72    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 33.379  | 33.2#  | 71    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 37.896  | 24.2   | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 34.458  | 31.1#  | 72    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 36.586  | 26.8#  | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 35.329  | 29.3#  | 70    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 34.972  | 30.1#  | 72    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 37.328  | 25.3#  | 77    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 36.428  | 27.1#  | 74    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 35.721  | 28.6#  | 73    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 36.551  | 26.9#  | 73    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 34.618  | 30.8#  | 72    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 39.994  | 20.0   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 33.597  | 32.8#  | 69    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 35.727  | 28.5#  | 74    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 34.776  | 30.4#  | 74    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 35.702  | 28.6#  | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 33.813  | 32.4#  | 71    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.007  | 8.0    | 102   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.803  | 10.4   | 98    | 0.00     |

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ALS Vial : 24 Sample Multiplier: 1

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MSVOA\_N  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Thu Sep 23 13:52:37 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 41.148 | 17.7 | 87    | 0.00     |

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