

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072122\  
 Data File : VN073569.D  
 Acq On : 21 Jul 2022 20:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 22 08:02:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 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  | 53.356  | -6.7   | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.162  | -8.3   | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 55.665  | -11.3# | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 40.729  | 18.5   | 65    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 56.254  | -12.5  | 87    | -0.03    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.499  | 9.0    | 69    | -0.02    |
| 8 T   | Diethyl Ether               | 50.000  | 53.080  | -6.2   | 80    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.399  | 1.2    | 77    | -0.02    |
| 10 T  | Methyl Iodide               | 50.000  | 42.262  | 15.5   | 66    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 291.226 | -16.5  | 84    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.063  | -2.1#  | 79    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 110.716 | 55.7#  | 33    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.701  | -3.4   | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 300.354 | -20.1  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 304.839 | -21.9  | 91    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.808  | -5.6   | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.156  | -18.3  | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.110  | -4.2   | 79    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.419  | -2.8   | 81    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.742  | -1.5   | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.168  | -12.3  | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 280.579 | -12.2  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.144  | -8.3   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 309.743 | -23.9  | 90    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 32.164  | 35.7#  | 52    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.395  | -0.8   | 76    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.240  | -8.5   | 76    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 306.639 | -22.7  | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.322  | -6.6#  | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.045  | 1.9    | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.443  | -0.9   | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.071  | 1.9    | 79    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 78    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.957  | 0.1    | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.410  | -2.8   | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 57.677  | -15.4  | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.653  | 0.7    | 77    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.531  | -1.1   | 77    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.979  | -6.0   | 81    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 59.681  | -19.4  | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.162  | -4.3   | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.051  | -12.1  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.419  | 1.2    | 75    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.494  | -9.0#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.898  | -5.8   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.719  | -7.4   | 79    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.318  | -10.6  | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072122\  
 Data File : VN073569.D  
 Acq On : 21 Jul 2022 20:52  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 22 08:02:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1280.420 | -28.0# | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.010   | 6.0    | 74    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 308.652  | -23.5  | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.676   | -5.4#  | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.253   | -0.5   | 73    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.992   | -4.0   | 77    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.949   | -3.9   | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.783   | -11.6  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.146   | -6.3   | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 274.091  | -9.6   | 76    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 318.531  | -27.4# | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.073   | -14.1  | 81    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.525   | -9.0   | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.977   | -2.0   | 76    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.164   | -0.3   | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.785   | 0.4    | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.158   | -0.3   | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.308   | -2.6#  | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.741  | -1.7   | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.182   | -2.4   | 82    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.708   | -7.4   | 82    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.022   | -12.0  | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.395   | 9.2    | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.047   | 3.9    | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.879   | 4.2    | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.276   | 17.4   | 80    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.550   | 8.9    | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.582   | 6.8    | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.028   | 9.9    | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.688   | 8.6    | 79    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.348   | 13.3   | 72    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.410   | 11.2   | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.095   | 5.8    | 82    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.118   | 7.8    | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.901   | 4.2    | 81    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.799   | 4.4    | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 44.585   | 10.8   | 79    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.801   | 10.4   | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.198   | 3.6    | 80    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.023   | 6.0    | 79    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.435   | 7.1    | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.057   | 1.9    | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.868   | 6.3    | 79    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.169   | -0.3   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.047   | 7.9    | 79    | 0.01     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072122\  
Data File : VN073569.D  
Acq On : 21 Jul 2022 20:52  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 22 08:02:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 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 | 47.060 | 5.9  | 78    | 0.00     |

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