

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX020322\  
 Data File : VX026753.D  
 Acq On : 03 Feb 2022 11:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 04 02:32:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 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   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 37.415  | 25.2# | 65    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 38.560  | 22.9  | 69    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 40.971  | 18.1# | 70    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.571  | -3.1  | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.090  | 1.8   | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.033  | 15.9  | 71    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 43.961  | 12.1  | 74    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.066  | 3.9   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.597  | -13.2 | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 246.318 | 1.5   | 82    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.353  | 7.3#  | 79    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.196 | 3.1   | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.274  | 5.5   | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 258.474 | -3.4  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 224.686 | 10.1  | 76    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 37.139  | 25.7# | 65    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.184  | -2.4  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.185  | 3.6   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.297  | 5.4   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.439  | 7.1   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.829  | 4.3   | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.788 | 0.5   | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.079  | 3.8   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 247.004 | 1.2   | 83    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.984  | -2.0  | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.297  | 1.4   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.215  | 11.6  | 74    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.101 | -1.2  | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.154  | 3.7#  | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.339  | 13.3  | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.062  | 3.9   | 79    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.766  | 14.5  | 73    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 86    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.351  | 3.3   | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.125  | 5.8   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.586  | -3.2  | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.021  | 2.0   | 78    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.543  | 2.9   | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.916  | 0.2   | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.534  | -5.1  | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.317  | 5.4   | 78    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.667  | -3.3  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.806  | -7.6  | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.705  | -5.4# | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.881  | -3.8  | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.854  | -3.7  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.891  | -1.8  | 83    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 04 02:32:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 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 | 965.616 | 3.4   | 78    | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 47.810  | 4.4   | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 259.875 | -4.0  | 85    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.605  | -1.2# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.601  | 0.8   | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.086  | -10.2 | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.235  | -8.5  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.922  | -9.8  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.669  | -5.3  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 256.815 | -2.7  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.702 | -3.1  | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.608  | -11.2 | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.062  | -6.1  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.161  | 3.7   | 79    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 58.424  | -16.8 | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.373  | -4.7  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.578  | -9.2  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.724  | -3.4# | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.611 | -5.6  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.849  | -5.7  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.612  | -7.2  | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.756  | -1.5  | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.711  | -3.4  | 86    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 53.004  | -6.0  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.103  | -0.2  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.556  | -5.1  | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.130  | -4.3  | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.640  | -3.3  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.963  | 0.1   | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.777  | -1.6  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.039  | -6.1  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.566  | 0.9   | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.885  | -3.8  | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.834  | -1.7  | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.234  | -6.5  | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.855  | -7.7  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.006  | -4.0  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.107  | -4.2  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.746  | -7.5  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.305  | -0.6  | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.017  | -8.0  | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.732  | -5.5  | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.157  | -12.3 | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 57.913  | -15.8 | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.627  | -15.3 | 92    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 04 02:32:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 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 | 57.768 | -15.5 | 95    | 0.00     |

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