

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082021\  
 Data File : VX023866.D  
 Acq On : 20 Aug 2021 02:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 20 03:18:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 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   | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.750  | 0.5   | 81    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.992  | 2.0   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.930  | 2.1#  | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.462  | 1.1   | 86    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.114  | 13.8  | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.825  | -1.7  | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.211  | -0.4  | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.978  | 2.0   | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.101  | -2.2  | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 244.405 | 2.2   | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.567  | 0.9#  | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 249.785 | 0.1   | 84    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.580  | 2.8   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 248.783 | 0.5   | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 232.041 | 7.2   | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 53.597  | -7.2  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.963  | -1.9  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.928  | -3.9  | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.166  | 5.7   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.051  | -0.1  | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.997  | -2.0  | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.847 | -2.7  | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.144  | -0.3  | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 248.441 | 0.6   | 82    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 37.275  | 25.4# | 62    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.441  | 1.1   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.007  | 4.0   | 78    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.645 | 1.3   | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.800  | 0.4#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.285  | 1.4   | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.274  | -2.5  | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.438  | -2.9  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.063  | -4.1  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.155  | -2.3  | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.531  | 0.9   | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.583  | -3.2  | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.313  | 1.4   | 79    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.674  | 0.7   | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.100  | -0.2  | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.374  | -0.7  | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.158  | -2.3  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.671  | 0.7   | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.013  | -0.0# | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.333  | -2.7  | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.056  | -6.1  | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.028  | -4.1  | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082021\  
 Data File : VX023866.D  
 Acq On : 20 Aug 2021 02:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 20 03:18:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 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 | 981.836 | 1.8   | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.281  | -2.6  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.246 | -5.3  | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.978  | 0.0#  | 82    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.072  | 9.9   | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.373  | -0.7  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.209  | -2.4  | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.618  | 2.8   | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.422  | -2.8  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.742 | 2.1   | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 264.679 | -5.9  | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.537  | 2.9   | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.434  | -2.9  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.383  | -6.8  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.490  | 3.0   | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.563  | 0.9   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.952  | -3.9  | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.266  | -0.5# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.774 | -1.8  | 82    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.458  | -2.9  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.500  | -5.0  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.110  | 1.8   | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.017  | -2.0  | 83    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.366  | -4.7  | 84    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.801  | 2.4   | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.233  | 1.5   | 82    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.436  | -0.9  | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.029  | -2.1  | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.182  | -2.4  | 83    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.698  | -3.4  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.224  | 5.6   | 76    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.927  | -1.9  | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.885  | -3.8  | 83    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.561  | -3.1  | 82    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.299  | -4.6  | 81    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.072  | -4.1  | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.061  | -0.1  | 82    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.128  | -0.3  | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.333  | -2.7  | 80    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.904  | 0.2   | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.655  | 0.7   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.778  | 4.4   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.791  | -1.6  | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.326  | 5.3   | 80    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.877  | 2.2   | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082021\  
Data File : VX023866.D  
Acq On : 20 Aug 2021 02:26  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 20 03:18:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 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 | 52.401 | -4.8 | 83    | 0.00     |

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