

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072621\  
 Data File : VX023464.D  
 Acq On : 26 Jul 2021 20:20  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 03:30:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.608  | -5.2  | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.158  | 1.7   | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.322  | -2.6# | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.384  | -4.8  | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.169  | -6.3  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.052  | -4.1  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.121  | -2.2  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.777  | -3.6  | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.316  | -8.6  | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 246.830 | 1.3   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.053  | -2.1# | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 251.704 | -0.7  | 90    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.822  | 0.4   | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 262.776 | -5.1  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.443 | 2.6   | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.859  | 4.3   | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.214  | -6.4  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.713  | -5.4  | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.528  | 2.9   | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.910  | -1.8  | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.856  | -5.7  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.765 | -7.1  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.486  | -5.0  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 259.897 | -4.0  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.701  | 10.6  | 76    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.047  | -4.1  | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.619  | 0.8   | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.086 | -4.8  | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.922  | -5.8# | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.713  | 2.6   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.510  | -7.0  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.497  | -3.0  | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.822  | -3.6  | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.559  | -3.1  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.977  | -2.0  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.113  | -6.2  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.522  | -1.0  | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.984  | -4.0  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.345  | -2.7  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.372  | -6.7  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.945  | -3.9  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.610  | -3.2  | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.369  | -4.7# | 89    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.320  | -6.6  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.791  | -7.6  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.059  | -8.1  | 90    | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 03:30:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 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 | 1030.317 | -3.0  | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.878   | -1.8  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.957  | -7.6  | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.342   | -4.7# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.637   | 4.7   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.092   | -4.2  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.526   | -9.1  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.877   | -7.8  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.011   | -6.0  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 255.427  | -2.2  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.232  | -6.1  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.207   | 3.6   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.739   | -7.5  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.696   | -1.4  | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.849   | -1.7  | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.495   | -3.0  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.140   | -0.3  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.167   | -6.3# | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.788  | -4.8  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.532   | -3.1  | 88    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.598   | -7.2  | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.753   | 8.5   | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.216   | -6.4  | 89    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.588   | -5.2  | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.261   | -4.5  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.560   | -5.1  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.514   | -7.0  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.829   | -5.7  | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.066   | -4.1  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.704   | -5.4  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.071   | 1.9   | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.801   | -5.6  | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.980   | -6.0  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.020   | -6.0  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.403   | -4.8  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.882   | -5.8  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.326   | -2.7  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.804   | 0.4   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.248   | -2.5  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.217   | 5.6   | 85    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.069   | -4.1  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.814   | 4.4   | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.523   | -3.0  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.515   | 1.0   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.546   | -9.1  | 88    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 27 03:30:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 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 | 52.355 | -4.7 | 88    | 0.00     |

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