

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081321\  
 Data File : VX023705.D  
 Acq On : 13 Aug 2021 21:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 14 05:30:46 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.409  | 11.2  | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.210  | 9.6   | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.096  | 9.8#  | 75    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.608  | 4.8   | 86    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.475  | 1.0   | 81    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.236  | 5.5   | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.503  | 3.0   | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.231  | 3.5   | 80    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.705  | -3.4  | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 241.331 | 3.5   | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.479  | 7.0#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 200.487 | 19.8  | 69    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.686  | 6.6   | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 255.100 | -2.0  | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 241.978 | 3.2   | 86    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 37.105  | 25.8# | 62    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.074  | -8.1  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.601  | -1.2  | 83    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.704  | 8.6   | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.646  | 6.7   | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.547  | -3.1  | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.032 | -2.4  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.517  | -1.0  | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 257.087 | -2.8  | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.842  | 20.3  | 65    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.403  | 1.2   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.679  | -7.4  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.285 | -0.9  | 82    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.884  | -3.8# | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.055  | 11.9  | 76    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.848  | -3.7  | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.046  | -12.1 | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.777  | -5.6  | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.929  | 4.1   | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.497  | 1.0   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.816  | 0.4   | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.916  | 10.2  | 75    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.010  | 2.0   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.574  | -3.1  | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.736  | -7.5  | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.689  | -3.4  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.373  | 3.3   | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.245  | -0.5# | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.989  | -4.0  | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.284  | -6.6  | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.819  | -9.6  | 89    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081321\  
 Data File : VX023705.D  
 Acq On : 13 Aug 2021 21:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 14 05:30:46 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 | 1016.153 | -1.6  | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.011   | -6.0  | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 279.399  | -11.8 | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.604   | -3.2# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.868   | 6.3   | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.644   | 0.7   | 79    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.590   | -13.2 | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.916   | -9.8  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.646   | -7.3  | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 259.143  | -3.7  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.712  | -11.9 | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.289   | 1.4   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.117   | -10.2 | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 59.399   | -18.8 | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.663   | 8.7   | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.604   | 0.8   | 89    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.800   | 4.4   | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.237   | -0.5# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.366   | 0.6   | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.292   | -0.6  | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.608   | -5.2  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.113   | 11.8  | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.032   | -0.1  | 91    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.779   | 0.4   | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.919   | 2.2   | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.868   | -1.7  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.172   | -0.3  | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.382   | -0.8  | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.802   | -1.6  | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.046   | -2.1  | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.936   | 12.1  | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.405   | -2.8  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.218   | -0.4  | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.308   | -2.6  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.088   | -0.2  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.374   | -2.7  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.143   | 1.7   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.035   | 3.9   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.648   | 2.7   | 89    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.094   | 9.8   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.265   | 1.5   | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.673   | 8.7   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.496   | 3.0   | 89    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.164   | 9.7   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.137   | -0.3  | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081321\  
Data File : VX023705.D  
Acq On : 13 Aug 2021 21:43  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 14 05:30:46 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 | 49.565 | 0.9  | 90    | 0.00     |

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