

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040921\  
 Data File : VU043011.D  
 Acq On : 09 Apr 2021 18:36  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 05:09:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U040921W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 09 09:26:47 2021  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.100  | -10.2 | 124   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.438  | 3.1   | 110   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.735  | 2.5#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.058  | -0.1  | 108   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.809  | 10.4  | 109   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.199  | 3.6   | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.157  | -2.3  | 113   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.037  | 3.9   | 110   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.144  | 3.7   | 106   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 236.702 | 5.3   | 111   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.393  | 7.2#  | 110   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 94.059  | 62.4# | 36    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.074  | 1.9   | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.643 | -1.9  | 112   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 241.518 | 3.4   | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.222  | 15.6  | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.529  | -17.1 | 130   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.812  | -1.6  | 114   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.617  | 8.8   | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.017  | 8.0   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.777  | -3.6  | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 246.512 | 1.4   | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.001  | -0.0  | 110   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.275 | -0.9  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.897  | 6.2   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.975  | 0.0   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.446  | -8.9  | 122   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.707 | 0.1   | 108   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.103  | -0.2# | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.527  | 6.9   | 109   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.063  | -2.1  | 110   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.885  | -1.8  | 120   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 115   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.974  | 0.1   | 122   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.822  | 2.4   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.528  | 2.9   | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.924  | 0.2   | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.658  | 4.7   | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.890  | 2.2   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.182  | -2.4  | 112   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.785  | 0.4   | 109   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.440  | -0.9  | 111   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.049  | 7.9   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.556  | 0.9#  | 110   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.781  | 0.4   | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.694  | -1.4  | 112   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.376  | -2.8  | 111   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 05:09:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U040921W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 09 09:26:47 2021  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 938.197 | 6.2   | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.651  | -1.3  | 121   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 228.287 | 8.7   | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.482  | -1.0# | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.683  | 8.6   | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.927  | 8.1   | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.207  | -4.4  | 113   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 45.402  | 9.2   | 112   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.650  | -3.3  | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 218.946 | 12.4  | 109   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 230.262 | 7.9   | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.436  | 7.1   | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.266  | -2.5  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.881  | -3.8  | 119   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 114   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.723  | 6.6   | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.362  | 3.3   | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.858  | 2.3   | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.114  | -0.2# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.112 | -2.1  | 108   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.652  | -3.3  | 110   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 45.752  | 8.5   | 108   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.332  | 9.3   | 110   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.058  | -2.1  | 110   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.746  | -5.5  | 111   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.323  | -0.6  | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.967  | 0.1   | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.171  | -0.3  | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.727  | -1.5  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.864  | 0.3   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.260  | -2.5  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.146  | 7.7   | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.815  | 0.4   | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.781  | -1.6  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.625  | -1.3  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.192  | -0.4  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.122  | -4.2  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.933  | 2.1   | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.135  | 1.7   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.351  | 7.3   | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.731  | 4.5   | 108   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.864  | -1.7  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.347  | 3.3   | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.995  | -4.0  | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.641  | 4.7   | 106   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.338  | 3.3   | 113   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 10 05:09:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U040921W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 09 09:26:47 2021  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.677 | -7.4 | 112   | 0.00     |

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