

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111221\  
 Data File : VU045782.D  
 Acq On : 12 Nov 2021 20:12  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 15 05:24:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 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   | 78    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.052  | 7.9   | 70    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.895  | 14.2  | 69    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.442  | 3.1#  | 74    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.906  | -1.8  | 73    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.084  | 9.8   | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.208  | 1.6   | 76    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.941  | 0.1   | 77    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.167  | -0.3  | 77    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 41.263  | 17.5  | 62    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 287.612 | -15.0 | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.894  | 4.2#  | 75    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 255.660 | -2.3  | 84    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.836  | 0.3   | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 279.058 | -11.6 | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 224.133 | 10.3  | 66    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.249  | 17.5  | 65    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.714  | -9.4  | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.363  | -6.7  | 81    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.999  | 0.0   | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.107  | -0.2  | 76    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.218  | -8.4  | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 271.641 | -8.7  | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.871  | -5.7  | 81    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 267.038 | -6.8  | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.315  | 5.4   | 70    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.585  | -3.2  | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.395  | -6.8  | 83    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 274.665 | -9.9  | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.525  | -7.0# | 83    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.309  | 9.4   | 72    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.258  | -6.5  | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.971  | -3.9  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.427  | -0.9  | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.176  | 3.6   | 76    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.958  | -3.9  | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.778  | 0.4   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.638  | 8.7   | 71    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.994  | 2.0   | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.010  | -8.0  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.385  | -4.8  | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.105  | -4.2  | 79    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.134  | -0.3  | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.364  | -4.7# | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.074  | -4.1  | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.144  | -8.3  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.471  | -6.9  | 81    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 15 05:24:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 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 | 1070.862 | -7.1  | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.620   | -1.2  | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 273.701  | -9.5  | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.148   | -2.3# | 79    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.550   | -1.1  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.525   | -3.0  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.028   | -6.1  | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.177   | 5.6   | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.624   | -3.2  | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 228.725  | 8.5   | 74    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.418  | 3.8   | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.140   | -8.3  | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.860   | -3.7  | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.036   | 1.9   | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.236   | -6.5  | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.359   | 1.3   | 79    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.020   | -4.0  | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.333   | -0.7# | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.544  | -2.5  | 78    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.050   | -4.1  | 80    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.362   | -6.7  | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.806   | 6.4   | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.471   | -2.9  | 79    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.214   | -2.4  | 77    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.342   | -2.7  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.276   | 13.4  | 69    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.570   | -1.1  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.250   | -0.5  | 78    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.127   | -0.3  | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.735   | -1.5  | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.292   | 17.4  | 68    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.046   | -0.1  | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.204   | -2.4  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.512   | -3.0  | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.511   | -1.0  | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.082   | -0.2  | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.890   | 4.2   | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.991   | 4.0   | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.095   | 3.8   | 74    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.233   | 7.5   | 74    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.117   | -0.2  | 79    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.663   | 0.7   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.822   | 6.4   | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.432   | 9.1   | 75    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.162   | 5.7   | 77    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 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 | 49.104 | 1.8  | 77    | 0.00     |

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