

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041221\  
 Data File : VU043021.D  
 Acq On : 12 Apr 2021 13:40  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 13 05:12:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 12 13:17:29 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  | 113   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.476  | 5.0  | 110   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.177  | -2.4 | 116   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.895  | 4.2# | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.856  | 4.3  | 106   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.125  | 1.8  | 114   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.374  | 1.3  | 117   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.657  | 2.7  | 113   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.619  | 0.8  | 116   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.701  | -3.4 | 112   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 225.113 | 10.0 | 104   | 0.04     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.856  | 0.3# | 116   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.571 | 4.6  | 111   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.878  | 4.2  | 115   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.897 | 6.0  | 111   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.975 | 11.6 | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.772  | 4.5  | 115   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.818  | 4.4  | 114   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.846  | 0.3  | 115   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.210  | 7.6  | 112   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.640  | 2.7  | 115   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.895  | 0.2  | 115   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.964 | -1.2 | 115   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.180  | 3.6  | 113   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 234.215 | 6.3  | 108   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.315  | -0.6 | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.428  | 1.1  | 112   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.799  | 2.4  | 119   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.406 | 3.8  | 112   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.306  | 1.4# | 114   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.051  | 1.9  | 118   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.676  | 0.6  | 114   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.294  | 5.4  | 116   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 115   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.338  | 5.3  | 115   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.611  | -1.2 | 115   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.968  | 6.1  | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.676  | -1.4 | 114   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.881  | -3.8 | 117   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.233  | -0.5 | 115   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.590  | 2.8  | 115   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.812  | 0.4  | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.977  | 0.0  | 115   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.258  | -0.5 | 114   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.428  | 1.1# | 112   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.445  | 1.1  | 113   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.726  | -1.5 | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.703  | 0.6  | 112   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 13 05:12:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 12 13:17:29 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 | 970.883 | 2.9   | 103   | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 48.952  | 2.1   | 116   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 242.426 | 3.0   | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.579  | -5.2# | 117   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.176  | -4.4  | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.050  | -2.1  | 114   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.819  | 0.4   | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.254  | -4.5  | 116   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.587  | -1.2  | 116   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 229.785 | 8.1   | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.626 | 2.5   | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.089  | -2.2  | 113   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.438  | -2.9  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.066  | 1.9   | 116   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 114   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.409  | 3.2   | 113   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.620  | 0.8   | 116   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.513  | -3.0  | 116   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.737  | -3.5# | 117   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.424 | -3.4  | 114   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.951  | -1.9  | 114   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.373  | -4.7  | 114   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.206  | 1.6   | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.234  | -2.5  | 115   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.090  | -0.2  | 113   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.649  | 2.7   | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.116  | 5.8   | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.790  | 4.4   | 112   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.144  | -4.3  | 115   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.515  | -1.0  | 114   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.385  | -4.8  | 113   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.134  | 1.7   | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.416  | -0.8  | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.550  | -3.1  | 114   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.687  | -3.4  | 113   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.969  | -3.9  | 115   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.474  | -4.9  | 114   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.805  | 2.4   | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.395  | 3.2   | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.943  | -7.9  | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.485  | -1.0  | 114   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.198  | 1.6   | 112   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.737  | -1.5  | 113   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.695  | -1.4  | 119   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.609  | -7.2  | 118   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.173  | 3.7   | 115   | 0.00     |

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Mon Apr 12 13:17:29 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 | 50.441 | -0.9 | 117   | 0.00     |

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