

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052722\  
 Data File : VU048729.D  
 Acq On : 28 May 2022 06:19  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 30 03:03:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 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  | 47.153  | 5.7   | 115   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.645  | 14.7  | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.990  | 4.0#  | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 26.699  | 46.6# | 63    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.335  | -6.7  | 115   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.515  | 7.0   | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.267  | 1.5   | 115   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.191  | 9.6   | 110   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.739  | 12.5  | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.866 | -0.3  | 129   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.707  | 2.6#  | 116   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 143.303 | 42.7# | 68    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.320  | 9.4   | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 266.622 | -6.6  | 124   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 244.514 | 2.2   | 123   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.107  | 11.8  | 111   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.806  | -19.6 | 146   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.407  | -2.8  | 119   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.120  | 5.8   | 116   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.034  | 7.9   | 111   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.749  | -3.5  | 116   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.065 | -2.8  | 113   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.857  | 2.3   | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 270.453 | -8.2  | 125   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 27.451  | 45.1# | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.293  | 3.4   | 117   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.203  | -4.4  | 115   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.137 | -8.5  | 124   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.539  | 2.9#  | 113   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.151  | 3.7   | 115   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.649  | 4.7   | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.525  | 1.0   | 110   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 120   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.761  | 4.5   | 114   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.618  | 10.8  | 113   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.194  | 3.6   | 121   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.098  | 13.8  | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.619  | 4.8   | 118   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.090  | 9.8   | 115   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.105  | -2.2  | 121   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.535  | 10.9  | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.398  | 3.2   | 120   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.289  | 9.4   | 115   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.812  | 0.4#  | 116   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.165  | 5.7   | 115   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 45.143  | 9.7   | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.363  | -2.7  | 123   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 30 03:03:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 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 | 984.370 | 1.6   | 125   | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 48.803  | 2.4   | 117   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.964 | -5.6  | 125   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.045  | 3.9#  | 116   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.697  | 10.6  | 110   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 44.678  | 10.6  | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 45.659  | 8.7   | 117   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.421  | 3.2   | 127   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.319  | 5.4   | 119   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 195.261 | 21.9# | 116   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.043 | -3.2  | 128   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.265  | 7.5   | 115   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 45.959  | 8.1   | 118   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.211  | -0.4  | 118   | 0.00     |
|       |                             |          |         |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 119   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.095  | 9.8   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.219  | 3.6   | 118   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.587  | 2.8   | 117   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.044  | -4.1# | 122   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.376 | -2.4  | 117   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.164  | -2.3  | 120   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.023  | -6.0  | 120   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.541  | 0.9   | 117   | 0.00     |
|       |                             |          |         |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 117   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.787  | -5.6  | 119   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.328  | 5.3   | 121   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.016  | -2.0  | 125   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.145  | 11.7  | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.926  | 2.1   | 118   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.571  | -5.1  | 118   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.255  | -0.5  | 118   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.799  | -5.6  | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 29.579  | 40.8# | 70    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.505  | -3.0  | 117   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.359  | -8.7  | 124   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.769  | -1.5  | 122   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.525  | -7.0  | 120   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.296  | -6.6  | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.775  | 2.5   | 119   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.135  | 5.7   | 117   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.561  | 4.9   | 119   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 42.630  | 14.7  | 109   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.940  | 2.1   | 121   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.308  | -2.6  | 124   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.952  | 0.1   | 118   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.503  | 15.0  | 111   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.181  | -14.4 | 145   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
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Quant Time: May 30 03:03:07 2022  
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Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
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 | 49.854 | 0.3  | 116   | 0.00     |

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