

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX030721\  
 Data File : VX021022.D  
 Acq On : 05 Mar 2021 10:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 05 23:54:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 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   | 130   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.017  | 10.0  | 114   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.193  | 3.6   | 123   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.007  | 4.0#  | 123   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.392  | -10.8 | 149   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.869  | 0.3   | 127   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.158  | 1.7   | 128   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.894  | 2.2   | 128   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.258  | 3.5   | 124   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.937  | 0.1   | 121   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 193.383 | 22.6  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.889  | 4.2#  | 123   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 286.272 | -14.5 | 152   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.555  | 6.9   | 118   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 244.608 | 2.2   | 124   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 266.288 | -6.5  | 143   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.219  | 7.6   | 118   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.863  | 4.3   | 122   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.050  | 1.9   | 124   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.048  | 5.9   | 126   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.392  | 5.2   | 123   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.600  | 2.8   | 124   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 243.821 | 2.5   | 122   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.257  | 1.5   | 127   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 248.814 | 0.5   | 128   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.756  | 6.5   | 120   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.180  | 3.6   | 125   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.885  | -1.8  | 132   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.860 | 7.3   | 119   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 48.980  | 2.0#  | 126   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.404  | 5.2   | 121   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.383  | 3.2   | 124   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.397  | 3.2   | 125   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 123   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.367  | -2.7  | 127   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.858  | -1.7  | 125   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.862  | 0.3   | 120   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.760  | 2.5   | 124   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.255  | 3.5   | 121   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.532  | -1.1  | 125   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.563  | 0.9   | 121   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.348  | -6.7  | 130   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.680  | 0.6   | 121   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.097  | -4.2  | 128   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.568  | -5.1# | 129   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.840  | -5.7  | 130   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.890  | -3.8  | 128   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.219  | -0.4  | 122   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 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 | 819.665 | 18.0  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.071  | -2.1  | 127   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.117 | 1.6   | 119   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.282  | -4.6# | 128   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.988  | -8.0  | 129   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.179  | -6.4  | 130   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.130  | -8.3  | 132   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.127  | -2.3  | 124   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.753  | -7.5  | 130   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 268.939 | -7.6  | 126   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.288 | 1.9   | 118   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.952  | -9.9  | 130   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.221  | -4.4  | 128   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.284  | 1.4   | 119   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 128   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.063  | -12.1 | 142   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.261  | -4.5  | 131   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.461  | -4.9  | 129   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.671  | -1.3# | 127   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.336 | -3.3  | 130   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.701  | -3.4  | 128   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.814  | -5.6  | 131   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.568  | -3.1  | 131   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 125   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.839  | -1.7  | 130   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 48.511  | 3.0   | 119   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.864  | 4.3   | 120   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.607  | -1.2  | 124   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.898  | -7.8  | 133   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.968  | -1.9  | 126   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.012  | 2.0   | 124   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.036  | -0.1  | 123   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.565  | 4.9   | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.810  | 0.4   | 124   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.943  | 4.1   | 122   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.396  | -0.8  | 124   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.653  | 0.7   | 121   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.844  | 0.3   | 123   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.676  | -7.4  | 134   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.650  | -3.3  | 130   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.126  | 3.7   | 119   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.210  | 7.6   | 114   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.377  | -6.8  | 128   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.407  | 5.2   | 117   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.737  | -3.5  | 125   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.375  | 3.3   | 121   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.456  | 3.1   | 115   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 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 | 52.326 | -4.7 | 127   | 0.00     |

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