

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX050322\  
 Data File : VX028516.D  
 Acq On : 03 May 2022 20:55  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 04 06:09:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 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    | 124   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 65.967  | -31.9# | 185   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 61.139  | -22.3  | 151   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.329  | 5.3#   | 132   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.140  | 11.7   | 103   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.125  | 7.8    | 117   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 39.827  | 20.3   | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.669  | -1.3   | 125   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 60.682  | -21.4  | 187   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 60.542  | -21.1  | 172   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 265.125 | -6.0   | 142   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 58.913  | -17.8# | 181   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 215.646 | 13.7   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.867  | 0.3    | 135   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 266.184 | -6.5   | 137   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 289.729 | -15.9  | 156   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.026  | 3.9    | 134   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.219  | -8.4   | 151   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.197  | -6.4   | 134   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.134  | -10.3  | 157   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.265  | 5.5    | 124   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.112  | -0.2   | 130   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.206 | -0.1   | 126   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.814  | -3.6   | 142   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 244.366 | 2.3    | 127   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.771  | 18.5   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.972  | 0.1    | 131   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.901  | 14.2   | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.697 | 7.3    | 121   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.333  | 3.3#   | 125   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.343  | 13.3   | 112   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.811  | 4.4    | 122   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.390  | 5.2    | 122   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 119   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.020  | -6.0   | 132   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.174  | 5.7    | 119   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.771  | -1.5   | 127   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.217  | 1.6    | 120   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.994  | 16.0   | 105   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.627  | 0.7    | 122   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.330  | -4.7   | 132   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.190  | 3.6    | 121   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.496  | -1.0   | 128   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.937  | -1.9   | 128   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.065  | -2.1#  | 129   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.724  | -1.4   | 129   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.550  | -3.1   | 126   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.132  | -2.3   | 130   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 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 | 961.436 | 3.9   | 118   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.880  | 4.2   | 118   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.015 | -1.6  | 128   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.334  | -0.7# | 124   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.351  | 1.3   | 117   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.884  | 0.2   | 122   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.891  | -3.8  | 129   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.779  | -7.6  | 130   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.343  | -0.7  | 127   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 254.435 | -1.8  | 119   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.069 | -2.0  | 126   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.422  | -6.8  | 127   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.099  | -0.2  | 120   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.931  | 2.1   | 118   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.848  | 2.3   | 117   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.264  | -4.5  | 121   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.077  | -10.2 | 126   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.027  | -6.1# | 119   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.214 | -4.2  | 115   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.509  | -5.0  | 118   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.716  | -9.4  | 119   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.232  | -2.5  | 132   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.544  | -5.1  | 118   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 58.766  | -17.5 | 131   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.752  | -13.5 | 129   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.245  | -10.5 | 121   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.613  | -9.2  | 125   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.898  | -5.8  | 115   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.023  | -4.0  | 116   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.823  | -3.6  | 112   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.412  | -2.8  | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.451  | -2.9  | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.870  | -5.7  | 116   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.617  | -5.2  | 112   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.800  | -1.6  | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.381  | -2.8  | 109   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.781  | -7.6  | 117   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.532  | -3.1  | 115   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.358  | -0.7  | 107   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.905  | 2.2   | 111   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.672  | -7.3  | 117   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.723  | -9.4  | 121   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.634  | -13.3 | 126   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.663  | -5.3  | 121   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.371  | -18.7 | 126   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Time: May 04 06:09:46 2022  
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Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
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 | 58.664 | -17.3 | 128   | 0.00     |

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