

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081119\  
 Data File : VX011420.D  
 Acq On : 11 Aug 2019 10:33  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 12 07:57:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 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   | 127   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.478  | 9.0   | 117   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.869  | 16.3  | 110   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.686  | 16.6# | 106   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.201  | 23.6# | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.789  | 10.4  | 107   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.150  | 11.7  | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 42.240  | 15.5  | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.450  | 5.1   | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.467  | 9.1   | 106   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 260.235 | -4.1  | 128   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.626  | 10.7# | 115   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 103.535 | 58.6# | 53    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.914  | -3.8  | 126   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 237.679 | 4.9   | 117   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 284.612 | -13.8 | 147   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.816  | 10.4  | 111   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.500  | 1.0   | 128   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.566  | -3.1  | 128   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.433  | 11.1  | 118   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.458  | 9.1   | 113   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.885  | 0.2   | 127   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 265.562 | -6.2  | 125   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.805  | 2.4   | 124   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.128 | -4.1  | 128   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 56.378  | -12.8 | 139   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.264  | 5.5   | 122   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.015  | 2.0   | 130   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 239.314 | 4.3   | 117   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.190  | -0.4# | 129   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.795  | 4.4   | 120   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.141  | -6.3  | 132   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.696  | -9.4  | 146   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 125   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.837  | -3.7  | 134   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.231  | 3.5   | 122   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.663  | 2.7   | 122   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.475  | -9.0  | 132   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.216  | 5.6   | 120   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.315  | 3.4   | 119   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.311  | 3.4   | 119   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.442  | -6.9  | 135   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.035  | -2.1  | 127   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.224  | 5.6   | 119   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.938  | 4.1#  | 121   | 0.00     |

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Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 12 07:57:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 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) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 48.601  | 2.8   | 124   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 54.780  | -9.6  | 133   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.813  | -5.6  | 129   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 862.192 | 13.8  | 106   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.093  | -2.2  | 133   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 257.084 | -2.8  | 123   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.930  | 2.1#  | 120   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.399  | -2.8  | 134   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.326  | -10.7 | 128   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.856  | 0.3   | 123   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.723  | -5.4  | 126   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.619  | 0.8   | 125   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.170 | 2.3   | 119   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.327 | -6.1  | 123   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.460  | -10.9 | 131   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.919  | 0.2   | 122   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.373  | -8.7  | 138   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 128   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.688  | 4.6   | 124   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.340  | 3.3   | 124   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.218  | -6.4  | 127   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.184  | -0.4# | 125   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.944  | 0.1   | 122   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.907  | 2.2   | 122   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.754  | -3.5  | 123   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.109  | -0.2  | 131   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 127   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.312  | -0.6  | 126   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.993  | -4.0  | 121   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.480  | 5.0   | 119   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.315  | -4.6  | 128   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.422  | 5.2   | 119   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.787  | -1.6  | 126   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.444  | -0.9  | 128   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.095  | -2.2  | 128   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.608  | -1.2  | 131   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.913  | -1.8  | 128   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.947  | -1.9  | 126   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.372  | -2.7  | 124   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.487  | -1.0  | 125   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.469  | -2.9  | 126   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.666  | 0.7   | 123   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.387  | 3.2   | 123   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.555  | -5.1  | 127   | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 57.629 | -15.3 | 134   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 48.295 | 3.4   | 120   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.955 | -5.9  | 126   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.299 | -2.6  | 124   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.635 | -1.3  | 126   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 51.975 | -4.0  | 122   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 50.717 | -1.4  | 125   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6