

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX061019\  
 Data File : VX010165.D  
 Acq On : 10 Jun 2019 09:47  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 11 06:52:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.916  | -3.8  | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.260  | 3.5   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.060  | -4.1# | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.090  | -6.2  | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.265  | -12.5 | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.192  | -8.4  | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.790  | -5.6  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.225  | 5.5   | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.166  | 3.7   | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.299 | 9.5   | 85    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.211  | 9.6#  | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 286.534 | -14.6 | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.024  | 10.0  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 227.857 | 8.9   | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 287.206 | -14.9 | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.150  | 11.7  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.305  | 11.4  | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.096  | 9.8   | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.006  | 8.0   | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.181  | 11.6  | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.150  | 5.7   | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 235.347 | 5.9   | 87    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.319  | 9.4   | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 256.783 | -2.7  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.285  | 9.4   | 87    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.164  | 7.7   | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.211  | 7.6   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.081 | 9.6   | 86    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.249  | 7.5#  | 88    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.083  | 3.8   | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.902  | 10.2  | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.736  | 10.5  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.472  | 3.1   | 88    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.866  | 4.3   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.521  | 7.0   | 86    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.999  | 6.0   | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.699  | 2.6   | 91    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.169  | 3.7   | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.762  | 6.5   | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.106  | 7.8   | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.774  | 6.5   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.961  | 4.1   | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.930  | 4.1#  | 88    | 0.00     |

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 VSTDCCC050

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 Quant Title : SW846 8260  
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 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   | 46.045  | 7.9  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 48.368  | 3.3  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 47.821  | 4.4  | 85    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 955.154 | 4.5  | 88    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.154  | 1.7  | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 245.074 | 2.0  | 87    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.970  | 4.1# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.530  | 4.9  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.242  | 5.5  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.509  | 1.0  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.482  | 3.0  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.480  | 5.0  | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 235.078 | 6.0  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.940 | -4.0 | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.142  | 1.7  | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.097  | 3.8  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.721  | 0.6  | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.983  | 4.0  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.981  | 2.0  | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.749  | 2.5  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.911  | 2.2# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.940  | 1.1  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.019  | 2.0  | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.786  | 0.4  | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.276  | -0.6 | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.272  | 5.5  | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.900  | 6.2  | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.301  | 9.4  | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.360  | 9.3  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.487  | 5.0  | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.312  | 3.4  | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.914  | 6.2  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.563  | 4.9  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.222  | 7.6  | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.779  | 4.4  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.642  | 4.7  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.520  | 5.0  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.031  | 3.9  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.612  | 2.8  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.223  | 3.6  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.133  | 5.7  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.539  | 0.9  | 95    | 0.00     |

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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 | 47.514 | 5.0  | 93    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 47.217 | 5.6  | 92    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.485 | 15.0 | 85    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 48.000 | 4.0  | 96    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.424 | -0.8 | 101   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 46.060 | 7.9  | 90    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 47.985 | 4.0  | 96    | 0.00     |

(#) = Out of Range

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