

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX110619\  
 Data File : VX013333.D  
 Acq On : 06 Nov 2019 10:15  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 07 02:21:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.229  | 1.5   | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.630  | 4.7   | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.289  | 3.4#  | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.951  | 14.1  | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.710  | 6.6   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.626  | 8.7   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.346  | 3.3   | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.030  | -0.1  | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.799  | 2.4   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 213.546 | 14.6  | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.899  | 0.2#  | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 227.307 | 9.1   | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.508  | -3.0  | 107   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 252.909 | -1.2  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 255.715 | -2.3  | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.800  | 0.4   | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.583  | -1.2  | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.329  | -6.7  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.016  | 2.0   | 107   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.397  | 1.2   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.587  | -5.2  | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 262.018 | -4.8  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.029  | -0.1  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 254.975 | -2.0  | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.187  | -4.4  | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.260  | -4.5  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.571  | -3.1  | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.208 | 0.3   | 97    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 50.378  | -0.8# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.912  | 0.2   | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.013  | -0.0  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.693  | 6.6   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.448  | 5.1   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.418  | -4.8  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.277  | -0.6  | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.671  | -5.3  | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.458  | -4.9  | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.032  | -2.1  | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.233  | -0.5  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.535  | -3.1  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.111  | -6.2  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.315  | -0.6  | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.916  | -3.8# | 105   | 0.00     |

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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   | 51.568  | -3.1  | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 54.786  | -9.6  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 53.583  | -7.2  | 102   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 981.016 | 1.9   | 97    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.969  | 4.1   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.793 | -1.5  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.360  | -4.7# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.655  | -13.3 | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.563  | -9.1  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.234  | -6.5  | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.828  | -1.7  | 108   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.428  | -4.9  | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.462 | -6.2  | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 263.686 | -5.5  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.063  | -12.1 | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.498  | -5.0  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.008  | 2.0   | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.435  | -2.9  | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.872  | -1.7  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.266  | -4.5  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.034  | -4.1# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.179 | -5.2  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.277  | -4.6  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.823  | -9.6  | 107   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.039  | 1.9   | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.424  | -4.8  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.021  | -10.0 | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.909  | -1.8  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.019  | 2.0   | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.514  | -5.0  | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.165  | -8.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.264  | -4.5  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.803  | -7.6  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.487  | -9.0  | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.059  | -4.1  | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.901  | -7.8  | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.495  | -7.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.115  | -6.2  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.301  | -8.6  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.901  | -5.8  | 108   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.393  | -2.8  | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.603  | -9.2  | 107   | 0.00     |

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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) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 54.468 | -8.9 | 108   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 52.359 | -4.7 | 107   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.699 | 6.6  | 98    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 54.935 | -9.9 | 111   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.485 | -1.0 | 105   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 54.635 | -9.3 | 104   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.025 | -8.0 | 108   | 0.00     |

(#) = Out of Range

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