

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX011119\  
 Data File : VX007028.D  
 Acq On : 11 Jan 2019 21:42  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 11 23:13:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 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   | 84    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.689  | -7.4  | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.909  | -5.8  | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.928  | -1.9# | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.435  | 3.1   | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.296  | 3.4   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.436  | -0.9  | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.697  | 2.6   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.207  | 3.6   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.889  | -13.8 | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 256.200 | -2.5  | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.175  | -0.3# | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 197.902 | 20.8# | 68    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.639  | 0.7   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 258.076 | -3.2  | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 240.486 | 3.8   | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.540  | 6.9   | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.715  | -3.4  | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.343  | -0.7  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.246  | -8.5  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.877  | 4.2   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.486  | -1.0  | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.181 | -0.1  | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.411  | 1.2   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 255.543 | -2.2  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.608  | 14.8  | 78    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.540  | 2.9   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.382  | -0.8  | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.860 | -1.1  | 92    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.482  | -1.0# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.237  | 1.5   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.514  | -1.0  | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.461  | 1.1   | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.844  | 0.3   | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.864  | 2.3   | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.371  | -0.7  | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.164  | 1.7   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.413  | 3.2   | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.747  | 0.5   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.169  | 3.7   | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.757  | 2.5   | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.922  | -1.8  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.745  | 2.5   | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.363  | 3.3#  | 88    | 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 50.403   | -0.8  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.025   | -4.0  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.856   | -3.7  | 94    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1069.500 | -7.0  | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.501   | -1.0  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 264.106  | -5.6  | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.977   | -2.0# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.138   | -2.3  | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.456   | -2.9  | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.629   | -5.3  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.205   | -8.4  | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.368   | -2.7  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 263.587  | -5.4  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 263.917  | -5.6  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.016   | -10.0 | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.807   | -3.6  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.445   | -4.9  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.044   | 7.9   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.560   | 4.9   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.417   | -0.8  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.639   | 2.7#  | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.576   | 1.4   | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.790   | 2.4   | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.408   | -0.8  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.224   | 11.6  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.048   | -0.1  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.010   | -0.0  | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.580   | 2.8   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.422   | 1.2   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.789   | 2.4   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.695   | -1.4  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.148   | 1.7   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.992   | 2.0   | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.377   | 13.2  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.063   | 1.9   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.044   | -0.1  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.012   | -0.0  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.023   | -0.0  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.165   | -0.3  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.636   | 4.7   | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.839   | -1.7  | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.177   | -0.4  | 96    | 0.00     |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 46.786 | 6.4  | 93    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 48.107 | 3.8  | 97    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.940 | -1.9 | 93    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 49.051 | 1.9  | 96    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 48.929 | 2.1  | 96    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.645 | 0.7  | 97    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 48.852 | 2.3  | 97    | 0.00     |

(#) = Out of Range

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