

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX100719\  
 Data File : VX012856.D  
 Acq On : 07 Oct 2019 22:36  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 08 12:36:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 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   | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 38.411  | 23.2# | 70    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 37.672  | 24.7# | 68    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.656  | 14.7# | 76    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.179  | 23.6# | 74    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 41.265  | 17.5  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.920  | 14.2  | 77    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.918  | 8.2   | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.234  | 7.5   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 35.133  | 29.7# | 62    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 233.063 | 6.8   | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.751  | 4.5#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 208.018 | 16.8  | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.230  | 9.5   | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 238.965 | 4.4   | 82    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 192.326 | 23.1# | 66    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.233  | 17.5  | 73    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.516  | 1.0   | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.530  | 2.9   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.557  | 6.9   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.793  | 8.4   | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.518  | 5.0   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 232.183 | 7.1   | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.407  | 5.2   | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 217.809 | 12.9  | 75    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.868  | 22.3# | 68    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.546  | 4.9   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.374  | 9.3   | 79    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 230.654 | 7.7   | 79    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.954  | 6.1#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.298  | 11.4  | 78    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.125  | 7.8   | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.244  | 7.5   | 82    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.904  | -5.8  | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.957  | 6.1   | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.975  | 6.0   | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.072  | 7.9   | 78    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.608  | 8.8   | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.554  | 2.9   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.618  | 2.8   | 83    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.718  | 6.6   | 80    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.738  | 6.5   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.006  | 4.0   | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.657  | 2.7#  | 84    | 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   | 47.664  | 4.7  | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 48.592  | 2.8  | 82    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 47.080  | 5.8  | 79    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 942.985 | 5.7  | 78    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.734  | -1.5 | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 237.589 | 5.0  | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.596  | 2.8# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.172  | 3.7  | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.161  | 3.7  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.597  | -1.2 | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.527  | -1.1 | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.608  | 0.8  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 261.955 | -4.8 | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.812 | 3.7  | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.889  | -3.8 | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.470  | -0.9 | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.721  | -3.4 | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.323  | -0.6 | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.705  | 2.6  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.438  | -0.9 | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.303  | 1.4# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.438  | 2.6  | 84    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.917  | 0.2  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.055  | -2.1 | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.888  | -7.8 | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.658  | 4.7  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.910  | 4.2  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.464  | 1.1  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.627  | 6.7  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.554  | 2.9  | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.946  | 4.1  | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.297  | 7.4  | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.650  | 2.7  | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.029  | 11.9 | 75    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.138  | 5.7  | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.653  | 2.7  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.119  | 3.8  | 85    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.956  | 2.1  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.386  | 1.2  | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.285  | -0.6 | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.207  | 1.6  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.534  | 6.9  | 81    | 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 | 46.942 | 6.1  | 82    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 50.158 | -0.3 | 88    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.657 | 4.7  | 79    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.448 | -2.9 | 89    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.902 | -1.8 | 90    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 50.390 | -0.8 | 83    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.035 | -2.1 | 87    | 0.00     |

(#) = Out of Range

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