

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX040419\  
 Data File : VX008624.D  
 Acq On : 04 Apr 2019 09:39  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 05 07:17:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 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  | 54.326  | -8.7  | 115   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 58.811  | -17.6 | 120   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.890  | -3.8# | 111   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.705  | 2.6   | 114   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.471  | -12.9 | 111   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.207  | -6.4  | 113   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.100  | -4.2  | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.109  | -2.2  | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.909  | -11.8 | 115   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 256.721 | -2.7  | 108   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.637  | 0.7#  | 107   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 260.715 | -4.3  | 113   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.825  | -5.7  | 111   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 248.647 | 0.5   | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 274.734 | -9.9  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.862  | -9.7  | 112   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.090  | 3.8   | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.189  | -6.4  | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.664  | -1.3  | 112   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.347  | -2.7  | 113   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.694  | -5.4  | 111   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.091 | -6.8  | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.634  | -5.3  | 111   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 266.841 | -6.7  | 108   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.942  | -9.9  | 114   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.235  | -2.5  | 111   | -0.01    |
| 28 T  | Bromochloromethane          | 50.000  | 59.726  | -19.5 | 113   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.798 | 3.3   | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.529  | -5.1# | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.259  | -4.5  | 113   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.875  | -7.8  | 111   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.444  | -0.9  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.711  | -5.4  | 107   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.708  | -7.4  | 112   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.415  | -4.8  | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.565  | -11.1 | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.031  | -10.1 | 114   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.825  | -7.7  | 111   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.542  | -5.1  | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.730  | -5.5  | 110   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.903  | -7.8  | 107   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.402  | -8.8  | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.470  | -6.9# | 109   | 0.00     |

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 LabSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 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   | 52.108   | -4.2  | 110   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 56.415   | -12.8 | 112   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 54.500   | -9.0  | 108   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1075.737 | -7.6  | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.631   | -7.3  | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 273.767  | -9.5  | 108   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.694   | -9.4# | 111   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.420   | -16.8 | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.138   | -14.3 | 113   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.313   | -8.6  | 111   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.798   | -13.6 | 112   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.360   | -8.7  | 110   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 229.087  | 8.4   | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 281.028  | -12.4 | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.439   | -14.9 | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.121   | -8.2  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.716   | -13.4 | 113   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.441   | -6.9  | 113   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.866   | -7.7  | 113   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.312   | -8.6  | 110   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.851   | -9.7# | 114   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.799  | -10.8 | 115   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.728   | -11.5 | 116   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.999   | -14.0 | 116   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.572   | -17.1 | 115   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 111   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.723   | -5.4  | 114   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.005   | -4.0  | 114   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.569   | 0.9   | 112   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.453   | -0.9  | 115   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.913   | -5.8  | 117   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.409   | -8.8  | 117   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.757   | -5.5  | 117   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.135   | -8.3  | 117   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.964   | -11.9 | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.098   | -6.2  | 118   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.631   | -7.3  | 118   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.904   | -7.8  | 117   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.668   | -9.3  | 118   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.337   | -10.7 | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.596   | -7.2  | 120   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.729   | -5.5  | 121   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.956   | -13.9 | 121   | 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 | 56.867 | -13.7 | 120  | 0.00       |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 52.756 | -5.5  | 119  | 0.00       |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.536 | 0.9   | 111  | 0.00       |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 54.212 | -8.4  | 123  | 0.00       |
| 94 T | Hexachlorobutadiene         | 50.000 | 55.242 | -10.5 | 120  | 0.00       |
| 95 T | Naphthalene                 | 50.000 | 52.126 | -4.3  | 116  | 0.00       |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 52.892 | -5.8  | 121  | 0.00       |

(#) = Out of Range

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