

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041018\  
 Data File : VX000753.D  
 Acq On : 10 Apr 2018 16:45  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX041018

Quant Time: Apr 11 08:20:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 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  | 123   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.616  | 0.8  | 118   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.434  | 5.1  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.198  | 5.6# | 115   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.382  | 1.2  | 120   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.896  | 10.2 | 114   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.589  | 2.8  | 119   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.189  | 7.6  | 116   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.022  | 2.0  | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 41.111  | 17.8 | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 218.569 | 12.6 | 106   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.809  | 6.4# | 116   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.898 | 2.8  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.885  | 8.2  | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.842 | 8.1  | 111   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 232.468 | 7.0  | 115   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.326  | 7.3  | 117   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.545  | 6.9  | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.232  | 5.5  | 115   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.726  | 8.5  | 117   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.842  | 8.3  | 116   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.051  | 7.9  | 113   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 229.987 | 8.0  | 114   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.913  | 8.2  | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 229.495 | 8.2  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.227  | 5.5  | 117   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.531  | 6.9  | 115   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.668  | 6.7  | 120   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.583 | 9.4  | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.484  | 5.0# | 116   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.324  | 5.4  | 119   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.496  | 5.0  | 116   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.240  | 9.5  | 115   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 117   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.623  | 0.8  | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.396  | 3.2  | 117   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.387  | 5.2  | 110   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.392  | 1.2  | 116   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.502  | -1.0 | 123   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.714  | 2.6  | 115   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.871  | 4.3  | 112   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.689  | 2.6  | 115   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.983  | 4.0  | 113   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.729  | 2.5  | 115   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.080  | 3.8# | 112   | 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   | 48.888  | 2.2  | 116   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 49.690  | 0.6  | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 48.424  | 3.2  | 113   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 907.317 | 9.3  | 106   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.945  | 2.1  | 117   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.146 | 3.5  | 111   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.704  | 2.6# | 116   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.033  | -0.1 | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.133  | -0.3 | 115   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.320  | 3.4  | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.561  | 2.9  | 113   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.189  | 1.6  | 114   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 259.626 | -3.9 | 118   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.280 | 2.7  | 112   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.976  | 0.0  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.556  | 2.9  | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.546  | 2.9  | 119   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 118   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.361  | 1.3  | 118   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.953  | 2.1  | 116   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.294  | 1.4  | 116   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.150  | 1.7# | 117   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.001  | 1.0  | 117   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.147  | 1.7  | 116   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.236  | 1.5  | 116   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.456  | -0.9 | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 120   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.015  | 2.0  | 117   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.091  | 5.8  | 113   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.503  | 5.0  | 114   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.696  | 2.6  | 115   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.822  | 4.4  | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.996  | 2.0  | 119   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.257  | 3.5  | 116   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.091  | 1.8  | 118   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.945  | 4.1  | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.164  | 3.7  | 118   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.584  | 0.8  | 117   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.096  | 1.8  | 119   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.797  | 0.4  | 120   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.903  | 0.2  | 120   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.480  | 3.0  | 118   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.138  | 3.7  | 118   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.200  | -0.4 | 121   | 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) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 50.476 | -1.0 | 118   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 48.574 | 2.9  | 117   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.490 | 7.0  | 112   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 49.886 | 0.2  | 121   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 51.323 | -2.6 | 125   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.750 | 2.5  | 115   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 49.213 | 1.6  | 119   | 0.00     |

(#) = Out of Range

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