

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX113018\  
 Data File : VX006217.D  
 Acq On : 30 Nov 2018 09:03  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 30 22:35:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 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   | 122   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.726  | -5.5  | 120   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.885  | -1.8  | 122   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.566  | -1.1# | 120   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.867  | 6.3   | 123   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.061  | -0.1  | 119   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.193  | -0.4  | 122   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.775  | 4.5   | 119   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.052  | -0.1  | 125   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.281  | 5.4   | 113   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 238.741 | 4.5   | 119   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.455  | 3.1#  | 122   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.776 | 4.5   | 121   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.884  | 2.2   | 121   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 238.042 | 4.8   | 117   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 229.060 | 8.4   | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.297  | 1.4   | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.448  | 5.1   | 117   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.946  | 4.1   | 119   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.167  | 7.7   | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.370  | 3.3   | 121   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.957  | 6.1   | 117   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.656 | 4.5   | 117   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.191  | -4.4  | 132   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 224.674 | 10.1  | 111   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.794  | 2.4   | 123   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.189  | 5.6   | 118   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.812  | -1.6  | 121   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 229.841 | 8.1   | 114   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.768  | 6.5#  | 118   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.808  | 4.4   | 120   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.626  | 6.7   | 117   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.773  | 0.5   | 124   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 115   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.538  | -7.1  | 124   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.126  | -2.3  | 121   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.250  | 3.5   | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.744  | -1.5  | 119   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.741  | -3.5  | 122   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.944  | 0.1   | 117   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.225  | 3.5   | 117   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.958  | 0.1   | 117   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.104  | 1.8   | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.999  | -2.0  | 119   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.876  | 0.2#  | 118   | 0.00     |

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 VSTDCCC050

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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   | 49.639   | 0.7   | 117   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.813   | -1.6  | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 50.130   | -0.3  | 117   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1003.682 | -0.4  | 120   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.911   | -5.8  | 123   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.124  | -0.4  | 116   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.011   | -0.0# | 118   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.983   | -2.0  | 119   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.425   | -0.8  | 119   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.279   | -0.6  | 117   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.735   | -1.5  | 119   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.081   | -0.2  | 117   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 286.933  | -14.8 | 137   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.470  | 0.2   | 116   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.820   | -1.6  | 119   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.741   | 0.5   | 118   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.035   | -10.1 | 125   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 115   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.183   | -2.4  | 123   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.882   | -1.8  | 118   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.133   | -2.3  | 120   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.095   | -2.2# | 120   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.016  | -2.0  | 119   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.802   | -1.6  | 119   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.774   | -3.5  | 120   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.663   | -5.3  | 122   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 119   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.952   | 0.1   | 120   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.437   | 3.1   | 119   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.896   | 4.2   | 118   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.749   | 12.5  | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.963   | 0.1   | 120   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.270   | -2.5  | 123   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.268   | -0.5  | 121   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.359   | -0.7  | 122   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.762   | 0.5   | 120   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.572   | -1.1  | 122   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.886   | 0.2   | 121   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.123   | -0.2  | 123   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.218   | -2.4  | 122   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.495   | -3.0  | 123   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.376   | -2.8  | 124   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.157   | -0.3  | 123   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.990   | -6.0  | 128   | 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 | 50.659 | -1.3 | 120   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.051 | 1.9  | 121   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.793 | 6.4  | 120   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 52.399 | -4.8 | 127   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 54.650 | -9.3 | 131   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.475 | 1.0  | 121   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.697 | -3.4 | 126   | 0.00     |

(#) = Out of Range

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