

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX061720\  
 Data File : VX016813.D  
 Acq On : 17 Jun 2020 12:39  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 18 01:06:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061520W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 16 02:02:35 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 126   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 57.461  | -14.9  | 142   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 56.945  | -13.9  | 147   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 58.214  | -16.4# | 144   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.925  | -3.8   | 141   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 58.667  | -17.3  | 149   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 55.881  | -11.8  | 134   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.668  | -9.3   | 150   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 61.431  | -22.9  | 150   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.157  | 5.7    | 117   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 217.266 | 13.1   | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.138  | -8.3#  | 144   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 265.025 | -6.0   | 143   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.546  | 2.9    | 128   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.442 | 5.8    | 124   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 259.387 | -3.8   | 144   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.831  | 8.3    | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.318  | 1.4    | 126   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.733  | 6.5    | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.247  | 7.5    | 126   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.552  | 6.9    | 122   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.150  | 1.7    | 127   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 243.427 | 2.6    | 127   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.719  | 6.6    | 122   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.413 | 6.6    | 122   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.297  | 5.4    | 122   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.675  | 6.7    | 126   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.506  | 7.0    | 128   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.547 | 5.4    | 124   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.297  | 7.4#   | 122   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.974  | -5.9   | 132   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.260  | 5.5    | 119   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.604  | 10.8   | 115   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 144   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 40.635  | 18.7   | 120   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.780  | 10.4   | 126   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.294  | 15.4   | 125   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.707  | 14.6   | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.008  | -6.0   | 154   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 43.714  | 12.6   | 126   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.805  | 12.4   | 129   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 40.174  | 19.7   | 118   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.662  | 12.7   | 127   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 52.639  | -5.3   | 152   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.707  | -5.4#  | 151   | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Jun 16 02:02:35 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 48.980  | 2.0   | 144   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 48.641  | 2.7   | 141   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.339  | -4.7  | 150   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 953.549 | 4.6   | 136   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.930  | 2.1   | 140   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 264.320 | -5.7  | 149   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.366  | -0.7# | 145   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.637  | -1.3  | 145   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.380  | -0.8  | 146   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.495  | 1.0   | 143   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.884  | -7.8  | 149   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.868  | 0.3   | 146   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 276.308 | -10.5 | 150   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 260.517 | -4.2  | 145   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.086  | 3.8   | 136   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.153  | 1.7   | 140   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.888  | 8.2   | 133   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 140   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.349  | -10.7 | 156   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.687  | -1.4  | 143   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.586  | 4.8   | 133   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.452  | -4.9# | 144   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.050 | -4.0  | 140   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.324  | -6.6  | 144   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.865  | -9.7  | 147   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.413  | 1.2   | 137   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 127   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.871  | -13.7 | 141   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 58.832  | -17.7 | 146   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.084  | 3.8   | 128   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.432  | -2.9  | 136   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.177  | -2.4  | 134   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.974  | -15.9 | 142   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.249  | -6.5  | 136   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 58.497  | -17.0 | 144   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.786  | -5.6  | 138   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.225  | -14.5 | 147   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.253  | -8.5  | 134   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.771  | -11.5 | 138   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.928  | -13.9 | 138   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.057  | -12.1 | 136   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.910  | -5.8  | 136   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.645  | -1.3  | 133   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 61.511  | -23.0 | 150   | 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 : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 53.448 | -6.9  | 137   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 53.093 | -6.2  | 141   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.548 | 2.9   | 127   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 53.721 | -7.4  | 144   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 54.982 | -10.0 | 142   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 52.586 | -5.2  | 132   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 52.442 | -4.9  | 137   | 0.00     |

(#) = Out of Range

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