

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX020419\  
 Data File : VX007350.D  
 Acq On : 04 Feb 2019 10:47  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 05 00:02:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 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    | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.179  | -2.4   | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.948  | 2.1    | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.685  | -1.4#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.880  | 0.2    | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.865  | 6.3    | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.763  | 2.5    | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.108  | 7.8    | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.674  | 2.7    | 106   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.134  | 1.7    | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 223.270 | 10.7   | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.461  | 7.1#   | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 318.602 | -27.4# | 130   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.001  | 2.0    | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 238.356 | 4.7    | 108   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.776 | 0.1    | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.626  | 2.7    | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.149  | -0.3   | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.996  | 6.0    | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.573  | 0.9    | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.581  | 6.8    | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.953  | 4.1    | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.770 | -0.3   | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.077  | -0.2   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 241.393 | 3.4    | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.613  | 0.8    | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.590  | 8.8    | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.101  | -0.2   | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.255 | 1.1    | 108   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.156  | 5.7#   | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.950  | 2.1    | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.587  | 0.8    | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.316  | 3.4    | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.144  | -0.3   | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.937  | 4.1    | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.292  | 3.4    | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.534  | -5.1   | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.723  | -3.4   | 107   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.349  | 3.3    | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.370  | -2.7   | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.738  | 4.5    | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.717  | -1.4   | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.073  | 3.9    | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.759  | 2.5#   | 102   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 05 00:02:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 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   | 47.817  | 4.4   | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 51.356  | -2.7  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.649  | -5.3  | 105   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 893.974 | 10.6  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.339  | -2.7  | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.249 | -1.7  | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.671  | 0.7#  | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.226  | -8.5  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.357  | -6.7  | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.250  | 3.5   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.929  | -1.9  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.885  | 2.2   | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 263.127 | -5.3  | 105   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.686 | 0.1   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.145  | -10.3 | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.921  | 0.2   | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.743  | -3.5  | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.644  | 4.7   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.446  | 5.1   | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.828  | -3.7  | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.555  | 0.9#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.901  | 1.1   | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.501  | 1.0   | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.038  | -0.1  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.844  | 4.3   | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.218  | 1.6   | 105   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.979  | 2.0   | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.304  | 5.4   | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.438  | 1.1   | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.888  | 6.2   | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.209  | -2.4  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.361  | 3.3   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.130  | -0.3  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.891  | 2.2   | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.820  | 0.4   | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.275  | 1.5   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.096  | -0.2  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.112  | -2.2  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.463  | -2.9  | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.611  | 4.8   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.401  | 7.2   | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.281  | -2.6  | 104   | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 55.623 | -11.2 | 111   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 46.872 | 6.3   | 103   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.510 | 1.0   | 107   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 49.989 | 0.0   | 105   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.314 | -0.6  | 109   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.291 | 1.4   | 104   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 48.308 | 3.4   | 104   | 0.00     |

(#) = Out of Range

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