

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX053119\  
 Data File : VX009997.D  
 Acq On : 31 May 2019 19:54  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 01 05:58:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.410  | -8.8  | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.628  | 8.7   | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.331  | 1.3#  | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 40.359  | 19.3  | 79    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.427  | 5.1   | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.146  | 1.7   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.055  | 7.9   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.895  | 2.2   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 37.177  | 25.6# | 66    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 257.176 | -2.9  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.781  | 2.4#  | 91    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.892 | 3.2   | 90    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.061  | -0.1  | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 247.701 | 0.9   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 230.399 | 7.8   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.106  | 3.8   | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.811  | -1.6  | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.902  | -1.8  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.901  | 4.2   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.445  | 5.1   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.070  | -2.1  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 254.274 | -1.7  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.321  | -0.6  | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 251.985 | -0.8  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.688  | 8.6   | 85    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.160  | 3.7   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.330  | 5.3   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 254.724 | -1.9  | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.504  | -1.0# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.853  | -3.7  | 91    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.095  | -4.2  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.326  | 3.3   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.316  | 1.4   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.921  | 2.2   | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.793  | -3.6  | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.123  | -2.2  | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.317  | -0.6  | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.447  | -0.9  | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.850  | -1.7  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.042  | -0.1  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.920  | -1.8  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.339  | 3.3   | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.354  | 1.3#  | 93    | 0.00     |

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Instrument :  
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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 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   | 47.453  | 5.1   | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 51.073  | -2.1  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.329  | -2.7  | 94    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 933.717 | 6.6   | 88    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.843  | 2.3   | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.378 | -1.4  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.067  | -0.1# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.601  | -1.2  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.993  | 0.0   | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.173  | -0.3  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.531  | -5.1  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.444  | 1.1   | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 253.327 | -1.3  | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 252.392 | -1.0  | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.734  | -5.5  | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.130  | -0.3  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.633  | 0.7   | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.146  | -0.3  | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.929  | 0.1   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.623  | -5.2  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.412  | -2.8# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.579 | -1.6  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.624  | -3.2  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.697  | -3.4  | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.393  | -8.8  | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.768  | -3.5  | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.689  | -5.4  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.378  | -2.8  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.051  | -4.1  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.050  | -0.1  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.965  | -3.9  | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.257  | -2.5  | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.471  | -4.9  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.159  | -2.3  | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.432  | -0.9  | 92    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.575  | -5.2  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.303  | -2.6  | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.524  | -5.0  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.053  | -6.1  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.496  | 1.0   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.518  | 3.0   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.788  | -3.6  | 89    | 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 | 53.944 | -7.9 | 94    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.916 | 0.2  | 92    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.029 | 3.9  | 90    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 50.854 | -1.7 | 93    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.162 | -0.3 | 90    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 52.277 | -4.6 | 94    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 50.195 | -0.4 | 93    | 0.00     |

(#) = Out of Range

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