

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW052119\  
 Data File : VW010498.D  
 Acq On : 21 May 2019 20:31  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 22 07:40:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 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    | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.751  | 2.5    | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.089  | 7.8    | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.608  | 10.8#  | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.981  | 4.0    | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.391  | 5.2    | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.905  | 0.2    | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.807  | -7.6   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.919  | 2.2    | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.358  | 1.3    | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 270.803 | -8.3   | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.010  | 2.0#   | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 334.244 | -33.7# | 132   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.685  | -1.4   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 271.522 | -8.6   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 258.058 | -3.2   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.253  | 1.5    | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 57.553  | -15.1  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.381  | -10.8  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.666  | 4.7    | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.532  | -3.1   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.550  | -5.1   | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.373 | -6.9   | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.540  | -5.1   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 278.175 | -11.3  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.557  | 4.9    | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.634  | -7.3   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 60.011  | -20.0# | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 272.026 | -8.8   | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.277  | -6.6#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.588  | 8.8    | 83    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.250  | -2.5   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.960  | 4.1    | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.319  | 5.4    | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.869  | 2.3    | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.677  | -9.4   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.516  | 1.0    | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.814  | 4.4    | 83    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.645  | -3.3   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.491  | -3.0   | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.541  | -7.1   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.231  | -6.5   | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.591  | -1.2   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.043  | -4.1#  | 91    | 0.00     |

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Instrument :  
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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 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   | 53.987   | -8.0  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.194   | -4.4  | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 53.191   | -6.4  | 95    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1083.972 | -8.4  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.702   | 8.6   | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 269.686  | -7.9  | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.683   | -3.4# | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.115   | -4.2  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.377   | -4.8  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.168   | -10.3 | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.074   | -8.1  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.672   | -9.3  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 270.863  | -8.3  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 266.699  | -6.7  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.558   | -7.1  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.651   | -9.3  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.406   | 11.2  | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.873   | -1.7  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.249   | -2.5  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.498   | -3.0  | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.140   | 1.7#  | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.209   | 0.8   | 89    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.519   | -1.0  | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.026   | -2.1  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.929   | -3.9  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.431   | 5.1   | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.181   | 1.6   | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.606   | -3.2  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.582   | -1.2  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.403   | -0.8  | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.715   | 6.6   | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.978   | 4.0   | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.185   | 3.6   | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.489   | 3.0   | 90    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.081   | 3.8   | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.672   | 6.7   | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.176   | 3.6   | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.278   | 7.4   | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.481   | 7.0   | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.644   | 2.7   | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.047   | -0.1  | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.304   | 9.4   | 83    | 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 | 46.726 | 6.5  | 85    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 50.114 | -0.2 | 92    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.027 | -0.1 | 94    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 48.226 | 3.5  | 84    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 46.185 | 7.6  | 80    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 51.149 | -2.3 | 90    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 49.515 | 1.0  | 86    | 0.00     |

(#) = Out of Range

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