

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040419\  
 Data File : VW009686.D  
 Acq On : 04 Apr 2019 10:12  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 05 08:03:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W032919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 29 13:24:53 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    | 109   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.802  | -7.6   | 124   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.401  | 13.2   | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.987  | 6.0#   | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.074  | 13.9   | 102   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.277  | 9.4    | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.598  | 0.8    | 113   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.684  | 2.6    | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.922  | -5.8   | 121   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.970  | -3.9   | 116   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 264.229 | -5.7   | 120   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.158  | -4.3#  | 118   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 264.441 | -5.8   | 116   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 57.944  | -15.9  | 127   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 256.390 | -2.6   | 115   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 300.253 | -20.1# | 131   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.048  | -0.1   | 115   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.235  | -4.5   | 118   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.476  | -13.0  | 123   | -0.01    |
| 20 T  | Methylene Chloride          | 50.000  | 53.000  | -6.0   | 114   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.976  | -4.0   | 116   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.422  | -8.8   | 118   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 269.385 | -7.8   | 116   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.598  | -5.2   | 117   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 265.541 | -6.2   | 117   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 58.058  | -16.1  | 129   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.292  | -6.6   | 118   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.653  | -3.3   | 118   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.025 | -1.2   | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.563  | -5.1#  | 118   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.122  | -2.2   | 120   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.052  | -10.1  | 123   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.363  | -4.7   | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.709  | -7.4   | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.883  | -7.8   | 117   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.594  | -3.2   | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.427  | -8.9   | 119   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.859  | -11.7  | 120   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.331  | -4.7   | 113   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.056  | 11.9   | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.401  | -4.8   | 116   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.157  | -4.3   | 115   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.090  | -6.2   | 115   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.516  | -3.0#  | 112   | 0.00     |

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 VSTDCCC050

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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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 49.620   | 0.8    | 109   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.325   | -4.7   | 113   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 53.366   | -6.7   | 112   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1038.703 | -3.9   | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.942   | -9.9   | 114   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.034  | -1.2   | 109   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.577   | -7.2#  | 113   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.227   | -8.5   | 115   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.536   | -9.1   | 115   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.990   | -2.0   | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.242   | 3.5    | 112   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.085   | -4.2   | 112   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 243.414  | 2.6    | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 270.546  | -8.2   | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.572   | -3.1   | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.979   | -2.0   | 111   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.355   | -10.7  | 115   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.301   | -4.6   | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.526   | -7.1   | 113   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.579   | -7.2   | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.400   | -14.8# | 117   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.628  | -13.6  | 116   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.219   | -12.4  | 114   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.686   | -11.4  | 111   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.141   | -4.3   | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 59.671   | -19.3  | 115   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.984   | -10.0  | 111   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.469   | -2.9   | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.984   | -6.0   | 108   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.683   | -9.4   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 59.058   | -18.1  | 114   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 58.008   | -16.0  | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 59.288   | -18.6  | 114   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.784   | -9.6   | 112   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.745   | -15.5  | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 59.824   | -19.6  | 115   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.408   | -16.8  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.816   | -17.6  | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 59.142   | -18.3  | 113   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.833   | -9.7   | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.662   | -7.3   | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.860   | -17.7  | 112   | 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 : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 56.874 | -13.7 | 112   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 54.348 | -8.7  | 108   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.054 | -6.1  | 109   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 56.486 | -13.0 | 109   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 53.892 | -7.8  | 107   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 50.612 | -1.2  | 107   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.278 | -8.6  | 106   | 0.00     |

(#) = Out of Range

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