

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112618\  
 Data File : VW007063.D  
 Acq On : 26 Nov 2018 23:38  
 Operator : VAY/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 27 07:26:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 03:23:02 2018  
 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    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.052  | 5.9    | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.507  | 3.0    | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.663  | 0.7#   | 86    | -0.01    |
| 5 T   | Bromomethane                | 50.000  | 51.485  | -3.0   | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.684  | -1.4   | 85    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.753  | -1.5   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.435  | -4.9   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.941  | 4.1    | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.542  | -7.1   | 89    | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 300.796 | -20.3# | 117   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.761  | -1.5#  | 94    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 292.387 | -17.0  | 115   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.110  | -2.2   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 299.783 | -19.9  | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 298.197 | -19.3  | 107   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.062  | -8.1   | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.655  | -13.3  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.375  | -14.8  | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.912  | 0.2    | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.278  | -0.6   | 95    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 52.946  | -5.9   | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 294.913 | -18.0  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.268  | -2.5   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 285.736 | -14.3  | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.272  | 3.5    | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.440  | -4.9   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 58.034  | -16.1  | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 290.307 | -16.1  | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.818  | -1.6#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.576  | 8.8    | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.268  | -4.5   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.479  | -9.0   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.392  | -6.8   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.580  | 0.8    | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 58.815  | -17.6  | 110   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.297  | -2.6   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.735  | 2.5    | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.893  | -3.8   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.283  | -8.6   | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.198  | -4.4   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 60.891  | -21.8# | 111   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.680  | -5.4   | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.843  | -3.7#  | 96    | 0.00     |

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 LabSampleId :  
 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   | 55.209   | -10.4  | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.198   | -4.4   | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 61.359   | -22.7# | 110   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1147.758 | -14.8  | 99    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 52.005   | -4.0   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 295.404  | -18.2  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.999   | -4.0#  | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.353   | -12.7  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.099   | -8.2   | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.676   | -11.4  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 62.054   | -24.1# | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.438   | -10.9  | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 270.313  | -8.1   | 105   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 298.946  | -19.6  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.128   | -16.3  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.227   | -16.5  | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.597   | -5.2   | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.268   | -8.5   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.090   | -4.2   | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.644   | -11.3  | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.058   | -2.1#  | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.818  | -1.8   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.132   | -2.3   | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.441   | -6.9   | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 62.239   | -24.5# | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.114   | -0.2   | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 61.642   | -23.3# | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 59.054   | -18.1  | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.313   | 9.4    | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.622   | -5.2   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.280   | 1.4    | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.145   | -0.3   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.444   | -0.9   | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 59.514   | -19.0  | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.861   | 0.3    | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.974   | 0.1    | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.507   | -1.0   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.955   | 2.1    | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.446   | 1.1    | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.874   | -1.7   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.392   | -2.8   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.051   | 1.9    | 88    | 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 | 52.206 | -4.4   | 97    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 52.954 | -5.9   | 96    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 62.800 | -25.6# | 114   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.962 | -3.9   | 94    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 49.488 | 1.0    | 90    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 58.404 | -16.8  | 105   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 53.117 | -6.2   | 96    | 0.00     |

(#) = Out of Range

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