

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\  
 Data File : VW011762.D  
 Acq On : 07 Aug 2019 19:56  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 08 09:15:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 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    | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.853  | 6.3    | 84    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.652  | 10.7   | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.472  | 3.1#   | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.705  | 14.6   | 78    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 48.949  | 2.1    | 86    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 59.785  | -19.6  | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.997  | -4.0   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.905  | -5.8   | 92    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 52.584  | -5.2   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.162 | 9.5    | 83    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.703  | -1.4#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 207.759 | 16.9   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.019  | -8.0   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 263.848 | -5.5   | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 198.408 | 20.6#  | 69    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.831  | 2.3    | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.374  | -2.7   | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.265  | -8.5   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.127  | 5.7    | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.487  | -7.0   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.514  | -9.0   | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 272.510 | -9.0   | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.574  | -9.1   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.787 | 6.5    | 79    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.521  | 3.0    | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.994  | -6.0   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.171  | -2.3   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.263 | -4.1   | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.817  | -7.6#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.183  | -2.4   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.658  | -11.3  | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.076  | -8.2   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.254  | -10.5  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.239  | -10.5  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.910  | -5.8   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.562  | -11.1  | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.192  | -12.4  | 96    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.372  | -8.7   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.020  | -6.0   | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.871  | -9.7   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.320  | -8.6   | 92    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.260  | -10.5  | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.218  | -10.4# | 95    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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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   | 54.037   | -8.1   | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 55.253   | -10.5  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 54.819   | -9.6   | 91    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1012.605 | -1.3   | 85    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 54.661   | -9.3   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.723  | -6.3   | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.839   | -9.7#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.607   | -9.2   | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.101   | -10.2  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.192   | -6.4   | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.550   | -11.1  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.478   | -9.0   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 301.324  | -20.5# | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 256.878  | -2.8   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.845   | -9.7   | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.469   | -6.9   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.281   | -8.6   | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.130   | -10.3  | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.064   | -8.1   | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.977   | -12.0  | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.836   | -11.7# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.176  | -10.2  | 95    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.748   | -11.5  | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.865   | -11.7  | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.476   | -9.0   | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.281   | -12.6  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.466   | -10.9  | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.245   | -6.5   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.360   | -0.7   | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.932   | -9.9   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.503   | -13.0  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.722   | -11.4  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.804   | -13.6  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.452   | -8.9   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.088   | -10.2  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.476   | -15.0  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.269   | -12.5  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.944   | -13.9  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.624   | -13.2  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.199   | -8.4   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.115   | -8.2   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.555   | -13.1  | 96    | 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 | 55.934 | -11.9 | 95    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 53.943 | -7.9  | 93    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.745 | -7.5  | 89    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 55.112 | -10.2 | 93    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 56.511 | -13.0 | 97    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 51.916 | -3.8  | 91    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.426 | -8.9  | 92    | 0.00     |

(#) = Out of Range

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