

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031020\  
 Data File : VW015107.D  
 Acq On : 10 Mar 2020 10:46  
 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: Mar 11 09:05:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030920S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 09 18:51:48 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 82    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.844  | -11.7  | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.883  | -1.8   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.961  | -3.9#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.800  | -1.6   | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.180  | -8.4   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.507  | -7.0   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.573  | -5.1   | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.875  | -7.8   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.107  | -4.2   | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 249.066 | 0.4    | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.516  | -7.0#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.619 | 5.8    | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.042  | -10.1  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 277.229 | -10.9  | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 289.506 | -15.8  | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 53.625  | -7.2   | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.488  | -9.0   | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.638  | -9.3   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.911  | -13.8  | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.811  | -9.6   | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.769  | -13.5  | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 291.226 | -16.5  | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.956  | -7.9   | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 287.291 | -14.9  | 85    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.296  | -6.6   | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.250  | -8.5   | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.268  | -8.5   | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 284.993 | -14.0  | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.655  | -7.3#  | 88    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.799  | -5.6   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.739  | -7.5   | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.314  | -6.6   | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 81    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.724  | -7.4   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 57.317  | -14.6  | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.649  | -11.3  | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.051  | -12.1  | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 57.207  | -14.4  | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.205  | -12.4  | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 63.548  | -27.1# | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.490  | -13.0  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.895  | -13.8  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.096  | -8.2   | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.811  | -11.6# | 87    | 0.00     |

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 MSVOA\_W  
 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 : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 55.537   | -11.1  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 55.372   | -10.7  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 56.732   | -13.5  | 93    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1132.952 | -13.3  | 79    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 55.591   | -11.2  | 84    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 273.639  | -9.5   | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.579   | -13.2# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.290   | -12.6  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.387   | -12.8  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.679   | -9.4   | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.361   | -4.7   | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.440   | -12.9  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 293.369  | -17.3  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 274.686  | -9.9   | 85    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.666   | -11.3  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.206   | -10.4  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 57.549   | -15.1  | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.652   | -5.3   | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.806   | -7.6   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.540   | -9.1   | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.037   | -14.1# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.840  | -13.8  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.922   | -13.8  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.512   | -17.0  | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.620   | -9.2   | 83    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.616   | -15.2  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.797   | -3.6   | 84    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.122   | -10.2  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 58.634   | -17.3  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.440   | -10.9  | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 58.700   | -17.4  | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 56.804   | -13.6  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 57.469   | -14.9  | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.428   | -10.9  | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.813   | -13.6  | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.493   | -15.0  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.011   | -16.0  | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.246   | -16.5  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.121   | -16.2  | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.125   | -10.3  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.554   | -9.1   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.723   | -17.4  | 85    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Mon Mar 09 18:51:48 2020  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 53.871 | -7.7  | 84    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 54.954 | -9.9  | 84    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.883 | -11.8 | 86    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 58.763 | -17.5 | 85    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 53.735 | -7.5  | 83    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 53.293 | -6.6  | 84    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 59.003 | -18.0 | 87    | 0.00     |

(#) = Out of Range

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