

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW062520\  
 Data File : VW015736.D  
 Acq On : 25 Jun 2020 18:26  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 26 03:45:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062320S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 23 13:20:19 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.254  | -8.5  | 86    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.883  | 4.2   | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.161  | -0.3# | 83    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.961  | 2.1   | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.826  | -1.7  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.031  | -4.1  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.094  | -4.2  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.964  | 2.1   | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.441  | -0.9  | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 290.182 | -16.1 | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.967  | 0.1#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 209.522 | 16.2  | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.538  | 0.9   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.830 | -5.9  | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 246.936 | 1.2   | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.281  | 3.4   | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.831  | -9.7  | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.504  | -7.0  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.704  | -11.4 | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.858  | 0.3   | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.800  | -1.6  | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.012 | -6.8  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.684  | 0.6   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.550 | -4.2  | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.126  | 9.7   | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.871  | -1.7  | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.880  | -5.8  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 275.071 | -10.0 | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.825  | 0.3#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.591  | 6.8   | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.982  | 2.0   | 82    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.965  | -1.9  | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.497  | 1.0   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.770  | 2.5   | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.170  | -4.3  | 93    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.389  | 5.2   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.121  | 1.8   | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.989  | 2.0   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.225  | -10.5 | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.097  | -0.2  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.127  | -4.3  | 92    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.393  | 3.2   | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.620  | 0.8#  | 86    | 0.00     |

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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   | 50.598   | -1.2   | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 48.943   | 2.1    | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 54.082   | -8.2   | 93    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1288.057 | -28.8# | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.863   | -1.7   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 271.323  | -8.5   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.730   | -1.5#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.405   | -0.8   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.689   | 0.6    | 84    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.532   | -1.1   | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.989   | -10.0  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.769   | -3.5   | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 266.485  | -6.6   | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 276.753  | -10.7  | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.435   | -2.9   | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.198   | -4.4   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.967   | -5.9   | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.152   | 5.7    | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.647   | 0.7    | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.270   | 3.5    | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.959   | 0.1#   | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.042  | -1.0   | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.043   | -2.1   | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.810   | -3.6   | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.394   | -0.8   | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.998   | 2.0    | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.595   | -3.2   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.516   | -1.0   | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.551   | 2.9    | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.346   | 3.3    | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.512   | 3.0    | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.894   | 2.2    | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.039   | 1.9    | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.008   | 2.0    | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.082   | 3.8    | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.994   | 2.0    | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.444   | 1.1    | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.289   | 1.4    | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.218   | -0.4   | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.234   | 1.5    | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.767   | 4.5    | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.694   | 0.6    | 86    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 47.775 | 4.5   | 84    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 48.253 | 3.5   | 88    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.008 | -2.0  | 93    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 50.453 | -0.9  | 88    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 47.681 | 4.6   | 85    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 55.328 | -10.7 | 95    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.175 | -2.3  | 93    | 0.00     |

(#) = Out of Range

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