

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW070720\  
 Data File : VW015800.D  
 Acq On : 07 Jul 2020 19:15  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 08 09:15:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 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   | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.174  | 3.7   | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.299  | 15.4  | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.836  | 6.3#  | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.134  | 9.7   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.217  | 5.6   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.371  | -0.7  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.959  | 2.1   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.275  | 1.5   | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.203  | -0.4  | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 295.435 | -18.2 | 110   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.678  | 2.6#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.965 | 5.6   | 91    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.771  | -1.5  | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 268.919 | -7.6  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 252.180 | -0.9  | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.210  | 3.6   | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.249  | -4.5  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.556  | -7.1  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.608  | -11.2 | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.181  | 1.6   | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.695  | -3.4  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 266.506 | -6.6  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.103  | 1.8   | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.392 | -5.8  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.508  | 5.0   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.604  | -1.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.332  | 3.3   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 277.941 | -11.2 | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.948  | 2.1#  | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.025  | 6.0   | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.243  | 1.5   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.246  | 1.5   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.924  | 4.2   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.125  | 3.8   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.201  | -2.4  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.810  | 4.4   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.066  | -0.1  | 97    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.515  | 3.0   | 97    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.017  | -4.0  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.723  | 0.6   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.181  | -4.4  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.077  | 3.8   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.749  | 0.5#  | 99    | 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   | 50.157   | -0.3  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.432   | -0.9  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.749   | -5.5  | 98    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1163.599 | -16.4 | 107   | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 48.299   | 3.4   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.480  | -7.4  | 102   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.361   | 1.3#  | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.309   | -4.6  | 99    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.870   | -1.7  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.468   | -0.9  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.444   | -8.9  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.991   | -2.0  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 256.475  | -2.6  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 278.349  | -11.3 | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.134   | -4.3  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.302   | -2.6  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.450   | -0.9  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.405   | 3.2   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.745   | 0.5   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.223   | -0.4  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.547   | -1.1# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.768  | -2.8  | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.720   | -3.4  | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.603   | -7.2  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.743   | -7.5  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.902   | 2.2   | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.284   | -4.6  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.186   | 1.6   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.005   | 4.0   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.069   | 5.9   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.678   | 2.6   | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.327   | 3.3   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.151   | 1.7   | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.357   | 9.3   | 100   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.117   | 3.8   | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.766   | 2.5   | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.666   | 0.7   | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.666   | 0.7   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.258   | 1.5   | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.614   | 2.8   | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.977   | 2.0   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.736   | 0.5   | 100   | 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) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 48.811 | 2.4  | 99    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.406 | 1.2  | 101   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.496 | -3.0 | 103   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 52.674 | -5.3 | 106   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 47.186 | 5.6  | 99    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.856 | 0.3  | 108   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 52.828 | -5.7 | 109   | 0.00     |

(#) = Out of Range

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