

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW060519\  
 Data File : VW010699.D  
 Acq On : 05 Jun 2019 18:22  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 06 08:06:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 05 03:21:19 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  | 48.333  | 3.3   | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.362  | -0.7  | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.800  | 0.4#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.132  | -4.3  | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.127  | -2.3  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.374  | -2.7  | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.656  | -7.3  | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.364  | -2.7  | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.877  | 14.2  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 297.920 | -19.2 | 124   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.604  | -1.2# | 100   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 236.227 | 5.5   | 86    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.644  | -5.3  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 284.642 | -13.9 | 116   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 295.502 | -18.2 | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.819  | -1.6  | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.045  | -12.1 | 119   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.488  | -9.0  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.707  | -1.4  | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.114  | -2.2  | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.581  | -7.2  | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 278.276 | -11.3 | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.281  | -4.6  | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 289.642 | -15.9 | 111   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.698  | -3.4  | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.087  | -4.2  | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.526  | -3.1  | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 288.068 | -15.2 | 118   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.544  | -5.1# | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.736  | 2.5   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.030  | -4.1  | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.736  | -9.5  | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.047  | -10.1 | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.291  | -2.6  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 57.476  | -15.0 | 116   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.276  | -4.6  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.264  | -2.5  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.192  | -2.4  | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 56.553  | -13.1 | 113   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.548  | -7.1  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.615  | -13.2 | 113   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.124  | -2.2  | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.572  | -5.1# | 103   | 0.00     |

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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 06 08:06:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 05 03:21:19 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 53.173   | -6.3   | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 53.902   | -7.8   | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 60.794   | -21.6# | 119   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1145.016 | -14.5  | 121   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.253   | -4.5   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 289.128  | -15.7  | 116   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.655   | -3.3#  | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.904   | -7.8   | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.296   | -6.6   | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.003   | -8.0   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.469   | -12.9  | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.401   | -6.8   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.018  | -7.6   | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 294.397  | -17.8  | 116   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.871   | -9.7   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.684   | -7.4   | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.428   | -6.9   | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.437   | -0.9   | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.006   | -2.0   | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.122   | -4.2   | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.140   | -2.3#  | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.526  | -3.5   | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.034   | -4.1   | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.021   | -6.0   | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.610   | -11.2  | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.537   | -1.1   | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.592   | -13.2  | 117   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.754   | -7.5   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.379   | -6.8   | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.065   | -2.1   | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.817   | -1.6   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.963   | -1.9   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.628   | -3.3   | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.279   | -10.6  | 111   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.275   | -2.5   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.016   | -2.0   | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.604   | -3.2   | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.048   | -2.1   | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.700   | -3.4   | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.175   | -2.3   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.798   | -1.6   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.144   | -4.3   | 105   | 0.00     |

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LabSampleId :  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 05 03:21:19 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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 51.816 | -3.6  | 102   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 51.680 | -3.4  | 107   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 57.995 | -16.0 | 122   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 53.555 | -7.1  | 107   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 52.403 | -4.8  | 106   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 56.704 | -13.4 | 114   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.432 | -8.9  | 109   | 0.00     |

(#) = Out of Range

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