

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\  
 Data File : VW007281.D  
 Acq On : 06 Dec 2018 16:12  
 Operator : SY/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 06 16:57:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 05 01:35:23 2018  
 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   | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.953  | 6.1   | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.587  | 16.8  | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.325  | 1.3#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 59.974  | -19.9 | 103   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.257  | 3.5   | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.425  | -0.8  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.570  | 6.9   | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.005  | 2.0   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.938  | 4.1   | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 180.688 | 27.7# | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.673  | 2.7#  | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 220.514 | 11.8  | 76    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.850  | 6.3   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 227.175 | 9.1   | 73    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 230.090 | 8.0   | 68    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.033  | 1.9   | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.843  | 14.3  | 73    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.817  | 6.4   | 78    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.249  | -0.5  | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.886  | 2.2   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.003  | 2.0   | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.661 | 4.9   | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.883  | 2.2   | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 222.241 | 11.1  | 70    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.479  | -1.0  | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.803  | 2.4   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.434  | 7.1   | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 212.633 | 14.9  | 69    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.238  | 1.5#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.797  | 4.4   | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.939  | -3.9  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.094  | -0.2  | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 84    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.598  | -3.2  | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.571  | -5.1  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.925  | 14.2  | 70    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.108  | -6.2  | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.425  | -0.8  | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.460  | -2.9  | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 42.445  | 15.1  | 65    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.155  | 1.7   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.506  | 7.0   | 74    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.484  | -5.0  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.534  | -1.1# | 84    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 05 01:35:23 2018  
 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   | 49.080   | 1.8   | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.430   | -0.9  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 49.184   | 1.6   | 75    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1020.954 | -2.1  | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.871   | -5.7  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 240.645  | 3.7   | 74    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.140   | -2.3# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.946   | 2.1   | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.846   | -1.7  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.203   | 3.6   | 80    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.296   | 5.4   | 74    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.047   | 3.9   | 78    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.624  | 3.0   | 79    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 242.822  | 2.9   | 73    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.489   | 1.0   | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.930   | 6.1   | 75    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.832   | 2.3   | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.601   | -1.2  | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.250   | 1.5   | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.868   | 0.3   | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.318   | 1.4#  | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.113   | 1.9   | 83    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.841   | -1.7  | 85    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.852   | 0.3   | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.573   | 4.9   | 76    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.862   | -7.7  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.909   | 4.2   | 67    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.179   | -0.4  | 73    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.134   | -8.3  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.438   | -8.9  | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.179   | -6.4  | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.698   | -9.4  | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.879   | -9.8  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.953   | 4.1   | 67    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.350   | -6.7  | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.896   | -9.8  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.458   | -4.9  | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.198   | -12.4 | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.326   | -8.7  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.970   | -3.9  | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.441   | -6.9  | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.188   | -8.4  | 86    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Wed Dec 05 01:35:23 2018  
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 | 53.502 | -7.0  | 81    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 52.991 | -6.0  | 81    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.076 | -0.2  | 73    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 53.639 | -7.3  | 82    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 56.581 | -13.2 | 89    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 50.494 | -1.0  | 74    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 53.040 | -6.1  | 82    | 0.00     |

(#) = Out of Range

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