

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\  
 Data File : VW005854.D  
 Acq On : 04 Oct 2018 13:07  
 Operator : SY/AP  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 04 14:08:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100418S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 04 07:08:57 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    | 111   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.474  | 1.1    | 110   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.857  | 8.3    | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.787  | 2.4#   | 110   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.737  | 8.5    | 105   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.985  | 6.0    | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.357  | -2.7   | 111   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.121  | 5.8    | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.996  | -2.0   | 115   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.911  | 2.2    | 105   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 199.997 | 20.0#  | 93    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.107  | -0.2#  | 110   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 225.797 | 9.7    | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.537  | -1.1   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 226.011 | 9.6    | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 264.541 | -5.8   | 115   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.837  | -1.7   | 108   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.095  | 11.8   | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.859  | 2.3    | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.735  | 6.5    | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.616  | -1.2   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.808  | 0.4    | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.999 | -1.2   | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.555  | 2.9    | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 227.491 | 9.0    | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.721  | -1.4   | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.036  | 1.9    | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.924  | 12.2   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.053 | 5.6    | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.166  | 5.7#   | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.401  | -4.8   | 115   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.076  | 1.8    | 108   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.661  | 8.7    | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.226  | -0.5   | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.627  | -11.3  | 111   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.446  | 5.1    | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.557  | -7.1   | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 60.834  | -21.7# | 119   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.283  | -4.6   | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.602  | -5.2   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.253  | 1.5    | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.910  | 0.2    | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.848  | -5.7   | 108   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.844  | -5.7#  | 107   | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 49.943  | 0.1   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.819  | -1.6  | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.230  | -2.5  | 95    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 989.102 | 1.1   | 98    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 51.470  | -2.9  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.012 | 3.6   | 91    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.835  | -5.7# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.350  | -6.7  | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.091  | -6.2  | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.452  | 3.1   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.742  | -5.5  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.772  | 0.5   | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.310 | 2.3   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.357 | -3.3  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.431  | 1.1   | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.818  | 0.4   | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.959  | -3.9  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.714  | 0.6   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.582  | -3.2  | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.908  | -1.8  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.591  | -9.2# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.374 | -9.4  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.349  | -10.7 | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.149  | -10.3 | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.193  | 1.6   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.769  | -13.5 | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.200  | -4.4  | 96    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.315  | 1.4   | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.928  | 10.1  | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.337  | -4.7  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.137  | -12.3 | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.735  | -9.5  | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.120  | -12.2 | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.113  | -8.2  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.284  | -10.6 | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.108  | -14.2 | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.805  | -11.6 | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.162  | -14.3 | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.816  | -15.6 | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.507  | -5.0  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.198  | -4.4  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.386  | -16.8 | 111   | 0.00     |

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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 | 52.691 | -5.4 | 105   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 51.884 | -3.8 | 100   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.308 | 7.4  | 89    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 54.495 | -9.0 | 105   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 54.702 | -9.4 | 109   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.510 | 3.0  | 96    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 51.549 | -3.1 | 98    | 0.00     |

(#) = Out of Range

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