

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\  
 Data File : VW008092.D  
 Acq On : 08 Jan 2019 18:21  
 Operator : SY/AP  
 Sample : VSTDICV050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 ICVVW010819

Quant Time: Jan 09 04:59:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 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   | 124   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.347  | 1.3   | 129   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.028  | 9.9   | 118   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.871  | 10.3# | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.905  | 14.2  | 118   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.648  | 14.7  | 115   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.667  | 10.7  | 109   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.165  | 3.7   | 127   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.520  | 5.0   | 120   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.144  | -4.3  | 130   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 264.615 | -5.8  | 125   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.505  | 3.0#  | 123   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 281.553 | -12.6 | 124   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.029  | 3.9   | 120   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 245.475 | 1.8   | 128   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.847 | -3.1  | 124   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.253  | 3.5   | 118   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.775  | -5.5  | 131   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.880  | 2.2   | 126   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.624  | 0.8   | 122   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.157  | 5.7   | 119   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.806  | 4.4   | 122   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.653 | 0.5   | 127   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.461  | 7.1   | 119   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.417 | 4.6   | 126   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.508  | 11.0  | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.004  | 6.0   | 122   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.538  | 6.9   | 116   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.883 | 1.2   | 128   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.236  | 7.5#  | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.232  | 13.5  | 114   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.960  | 8.1   | 115   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.494  | 13.0  | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.538  | 4.9   | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.829  | 2.3   | 116   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.643  | -7.3  | 129   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.013  | 2.0   | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.697  | 0.6   | 118   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.993  | 0.0   | 118   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.725  | -11.5 | 145   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.897  | 2.2   | 116   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.047  | -6.1  | 129   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.649  | -3.3  | 125   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.110  | -2.2# | 121   | 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   | 49.454  | 1.1   | 118   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.655  | -1.3  | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 55.321  | -10.6 | 129   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 986.128 | 1.4   | 119   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.976  | 6.0   | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.457 | -5.0  | 128   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.734  | 0.5#  | 115   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.049  | -4.1  | 119   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.469  | -2.9  | 120   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.950  | -3.9  | 124   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.318  | -10.6 | 127   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.334  | -0.7  | 120   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.929 | 2.8   | 109   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 261.885 | -4.8  | 124   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.611  | -9.2  | 126   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.785  | -5.6  | 123   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.007  | 8.0   | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 110   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.246  | -4.5  | 129   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.769  | 0.5   | 118   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.570  | -3.1  | 122   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.008  | 2.0#  | 114   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.997  | 1.0   | 115   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.325  | -0.7  | 116   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.046  | -4.1  | 117   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.959  | -15.9 | 134   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 114   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.121  | 3.8   | 116   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.139  | -6.3  | 126   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.302  | -0.6  | 124   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.957  | -1.9  | 120   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.481  | -1.0  | 126   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.575  | 4.8   | 113   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.191  | 5.6   | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.331  | 3.3   | 114   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.649  | -5.3  | 124   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.329  | 5.3   | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.063  | 1.9   | 116   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.344  | 5.3   | 112   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.362  | 5.3   | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.884  | 4.2   | 113   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.494  | 1.0   | 118   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.764  | 0.5   | 120   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.818  | 4.4   | 113   | 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) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 49.387 | 1.2  | 117   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.599 | 0.8  | 120   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.186 | -6.4 | 129   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 53.291 | -6.6 | 134   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 54.255 | -8.5 | 132   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 53.319 | -6.6 | 126   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 53.766 | -7.5 | 130   | 0.00     |

(#) = Out of Range

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