

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX033020\  
 Data File : VX015441.D  
 Acq On : 30 Mar 2020 20:13  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 31 09:32:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 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    | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.335  | 15.3   | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.804  | -7.6   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.166  | 3.7#   | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 63.696  | -27.4# | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.896  | -1.8   | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.067  | 9.9    | 107   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.814  | -7.6   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.195  | 15.6   | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.223  | 5.6    | 80    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 252.451 | -1.0   | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.342  | 1.3#   | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 290.532 | -16.2  | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.255  | -8.5   | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 282.405 | -13.0  | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 273.740 | -9.5   | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.094  | 1.8    | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.316  | -10.6  | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.216  | -14.4  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.558  | -9.1   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.822  | -3.6   | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.484  | -15.0  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 289.771 | -15.9  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.289  | -8.6   | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 273.533 | -9.4   | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.091  | -2.2   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.845  | -9.7   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.316  | -12.6  | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 277.084 | -10.8  | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.510  | -11.0# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.020  | 12.0   | 107   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.196  | -2.4   | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 58.267  | -16.5  | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.500  | -3.0   | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.051  | 11.9   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.261  | 1.5    | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.631  | 14.7   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 36.598  | 26.8#  | 105   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.001  | 2.0    | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.995  | -4.0   | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.237  | -2.5   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.604  | -1.2   | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.822  | 6.4    | 102   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.638  | 0.7#   | 100   | 0.00     |

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 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 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   | 50.732  | -1.5 | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.016  | -0.0 | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 50.888  | -1.8 | 97    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 977.282 | 2.3  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.218  | 1.6  | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.184 | -1.3 | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.285  | 1.4# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.741  | 2.5  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.763  | 0.5  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.110  | -2.2 | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.790  | -1.6 | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.396  | -0.8 | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.718 | -3.5 | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 256.405 | -2.6 | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.315  | -0.6 | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.221  | -0.4 | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.720  | -3.4 | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.553  | 14.9 | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.484  | 5.0  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.691  | 2.6  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.375  | 5.3# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 93.890  | 6.1  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.216  | 3.6  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.692  | 2.6  | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.723  | 4.6  | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.209  | 7.6  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.967  | 0.1  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.513  | 1.0  | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.582  | -1.2 | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.797  | 4.4  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.689  | 6.6  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.649  | 2.7  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.620  | 4.8  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.841  | 2.3  | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.787  | 2.4  | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.328  | 7.3  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.011  | 4.0  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.232  | 9.5  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.857  | 8.3  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.134  | 3.7  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.846  | 4.3  | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.573  | 10.9 | 102   | 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 | 46.362 | 7.3   | 101   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.378 | 1.2   | 100   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.216 | 7.6   | 96    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 45.942 | 8.1   | 96    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 36.478 | 27.0# | 92    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.077 | 3.8   | 94    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 48.000 | 4.0   | 95    | 0.00     |

(#) = Out of Range

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