

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX092520\  
 Data File : VX018608.D  
 Acq On : 25 Sep 2020 20:01  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 28 03:42:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 72    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.673  | 6.7   | 64    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.714  | 16.6  | 63    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.917  | 10.2# | 66    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.906  | 8.2   | 64    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 47.270  | 5.5   | 68    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.123  | -2.2  | 75    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.323  | 1.4   | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.145  | 5.7   | 69    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.186  | 9.6   | 65    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 210.384 | 15.8  | 62    | 0.03     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.458  | 5.1#  | 70    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 168.777 | 32.5# | 50    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.110  | 9.8   | 66    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 241.566 | 3.4   | 69    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 222.724 | 10.9  | 66    | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.178  | 11.6  | 65    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.042  | -4.1  | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.429  | -4.9  | 75    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.188  | 7.6   | 72    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.167  | 9.7   | 68    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.650  | 0.7   | 72    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.315 | -0.5  | 71    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.568  | 4.9   | 71    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 232.712 | 6.9   | 67    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.503  | 11.0  | 67    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.476  | 7.0   | 69    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.721  | -5.4  | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.420 | 5.4   | 67    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.785  | -1.6# | 75    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.618  | 12.8  | 63    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.972  | 0.1   | 73    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.369  | -8.7  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 73    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.554  | -5.1  | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.626  | 8.7   | 67    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.196  | 5.6   | 68    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.225  | -0.5  | 72    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.753  | 12.5  | 64    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.152  | 5.7   | 70    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.127  | 3.7   | 71    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.249  | -4.5  | 77    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.574  | 2.9   | 70    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.816  | 6.4   | 69    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.912  | 6.2#  | 71    | 0.00     |

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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 : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 49.167  | 1.7   | 72    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 50.778  | -1.6  | 74    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 48.814  | 2.4   | 69    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 639.330 | 36.1# | 48    | 0.04     |
| 50 S  | Toluene-d8                  | 50.000   | 48.483  | 3.0   | 75    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.985 | 0.4   | 70    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.247  | 5.5#  | 70    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.002  | 2.0   | 72    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.811  | 2.4   | 71    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.789  | 0.4   | 73    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.968  | -1.9  | 71    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.824  | 2.4   | 72    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 253.429 | -1.4  | 72    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.064 | 2.0   | 68    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.684  | -1.4  | 74    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.662  | -1.3  | 73    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.901  | 2.2   | 76    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 74    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.669  | 14.7  | 65    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.053  | 5.9   | 70    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.144  | 1.7   | 73    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.170  | 5.7#  | 68    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 93.877  | 6.1   | 68    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.622  | 6.8   | 67    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.259  | 3.5   | 67    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.281  | -2.6  | 74    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 74    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.063  | 5.9   | 69    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.334  | 5.3   | 68    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.565  | 2.9   | 73    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.872  | 6.3   | 69    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.026  | 7.9   | 70    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 45.131  | 9.7   | 66    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.471  | 9.1   | 67    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.233  | 5.5   | 68    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.523  | 13.0  | 63    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.644  | 8.7   | 67    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.639  | 6.7   | 67    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.601  | 4.8   | 68    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.292  | 9.4   | 66    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.109  | 5.8   | 67    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.829  | 8.3   | 69    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.186  | 9.6   | 69    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.230  | 11.5  | 64    | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 45.397 | 9.2  | 68    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 47.019 | 6.0  | 71    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.472 | -0.9 | 73    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 45.777 | 8.4  | 71    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 43.302 | 13.4 | 66    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 49.292 | 1.4  | 70    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 47.470 | 5.1  | 70    | 0.00     |

(#) = Out of Range

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