

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX121520\  
 Data File : VX020056.D  
 Acq On : 16 Dec 2020 09:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 15:43:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : Sw846 8260  
 QLast Update : Fri Dec 04 15:32:53 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    | 70    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.135  | 5.7    | 62    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.676  | 6.6    | 68    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.352  | -2.7#  | 70    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.612  | 22.8   | 53    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 58.320  | -16.6  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.097  | -6.2   | 73    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.957  | -7.9   | 76    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.267  | -8.5   | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.275  | 21.5   | 54    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 283.963 | -13.6  | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.699  | -7.4#  | 74    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 224.872 | 10.1   | 66    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.586  | -7.2   | 75    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 300.113 | -20.0  | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 287.401 | -15.0  | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.600  | 12.8   | 61    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 64.561  | -29.1# | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.902  | -15.8  | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.684  | -13.4  | 77    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.154  | -6.3   | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 60.074  | -20.1  | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 295.352 | -18.1  | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 57.911  | -15.8  | 81    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 298.862 | -19.5  | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.285  | 21.4   | 54    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.262  | -8.5   | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.316  | -8.6   | 76    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 295.409 | -18.2  | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 57.408  | -14.8# | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.279  | -4.6   | 71    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.139  | -12.3  | 77    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.709  | -3.4   | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 73    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.706  | 0.6    | 75    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.300  | -0.6   | 74    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.935  | -9.9   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.370  | -2.7   | 74    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.866  | 4.3    | 68    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.271  | -6.5   | 78    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.034  | -10.1  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.877  | -7.8   | 78    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.027  | -8.1   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.144  | -0.3   | 73    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.353  | -10.7# | 81    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.584  | -7.2   | 78    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.931  | -9.9   | 79    | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 15:43:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : Sw846 8260  
 QLast Update : Fri Dec 04 15:32:53 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 48 T  | Methyl methacrylate         | 50.000   | 55.682   | -11.4 | 82    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1084.438 | -8.4  | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.183   | 1.6   | 73    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 290.184  | -16.1 | 85    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.253   | -4.5# | 76    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.630   | -1.3  | 71    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.046   | -4.1  | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.479   | -11.0 | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.931   | -11.9 | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.969   | -9.9  | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 283.978  | -13.6 | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 284.395  | -13.8 | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.127   | -10.3 | 78    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.784   | -7.6  | 79    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.613   | 0.8   | 74    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 75    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.513   | -3.0  | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.365   | -2.7  | 76    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.528   | -7.1  | 78    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.401   | -4.8# | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.041  | -4.0  | 75    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.903   | -3.8  | 75    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.159   | -8.3  | 76    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.214   | -8.4  | 76    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.835   | -7.7  | 76    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.338   | -12.7 | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.698   | -13.4 | 80    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.108   | -10.2 | 78    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.508   | -7.0  | 77    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.582   | -7.2  | 74    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.361   | -6.7  | 76    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.009   | -8.0  | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.498   | 3.0   | 66    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.507   | -7.0  | 76    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.269   | -8.5  | 75    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.238   | -8.5  | 74    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.168   | -10.3 | 75    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.353   | -8.7  | 73    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.540   | -3.1  | 72    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.317   | -2.6  | 73    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.936   | -3.9  | 70    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.738   | -9.5  | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.357   | -8.7  | 76    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 57.381   | -14.8 | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.208   | -4.4  | 71    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 56 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : Sw846 8260  
QLast Update : Fri Dec 04 15:32:53 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 94 T | Hexachlorobutadiene    | 50.000 | 53.053 | -6.1  | 77    | 0.00     |
| 95 T | Naphthalene            | 50.000 | 57.897 | -15.8 | 79    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 56.138 | -12.3 | 77    | 0.00     |

(#) = Out of Range

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