

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021234.D  
 Acq On : 16 Mar 2021 05:41  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 16 06:06:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 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    | 82    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.986  | -2.0   | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 73.280  | -46.6# | 126   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.565  | -3.1#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 36.766  | 26.5#  | 66    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.864  | -7.7   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.081  | 1.8    | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.123  | -2.2   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.502  | 1.0    | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 32.054  | 35.9#  | 52    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 263.692 | -5.5   | 89    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.134  | -0.3#  | 82    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 254.784 | -1.9   | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.857  | 6.3    | 80    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 279.413 | -11.8  | 90    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 258.129 | -3.3   | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.180  | 3.6    | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.856  | -7.7   | 91    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.107  | -2.2   | 83    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.015  | -0.0   | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.317  | -0.6   | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.479  | -3.0   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 269.233 | -7.7   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.995  | -2.0   | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 272.645 | -9.1   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 37.413  | 25.2#  | 61    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.151  | -2.3   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.662  | 6.7    | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.380 | -8.6   | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.274  | -2.5#  | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.075  | 5.8    | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.934  | -1.9   | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.479  | -1.0   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.698  | 0.6    | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.993  | 4.0    | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.499  | -7.0   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.124  | 3.8    | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.726  | 4.5    | 78    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.932  | 0.1    | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.767  | -3.5   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.534  | -1.1   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.917  | -5.8   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.808  | 4.4    | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.301  | -0.6#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.134  | -2.3   | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.778  | -1.6   | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.125  | -8.3   | 89    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 16 06:06:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1003.636 | -0.4  | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.959   | -1.9  | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 286.405  | -14.6 | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.135   | -4.3# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.278   | -0.6  | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.213   | 1.6   | 80    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.138   | -2.3  | 85    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.412   | -10.8 | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.959   | -3.9  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 288.212  | -15.3 | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 292.620  | -17.0 | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.269   | -6.5  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.397   | -6.8  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.234   | -6.5  | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 40.725   | 18.5  | 71    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.089   | -0.2  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.314   | 3.4   | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.162   | -0.3# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.135  | -0.1  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.042   | -2.1  | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.146   | -4.3  | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.489   | 5.0   | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.869   | 6.3   | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.489   | -7.0  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.704   | -9.4  | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.280   | -2.6  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.951   | 4.1   | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.057   | 3.9   | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.877   | 4.2   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.020   | 4.0   | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.186   | 3.6   | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.445   | 3.1   | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.456   | -0.9  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.288   | 1.4   | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.246   | 1.5   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.498   | 1.0   | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.904   | -1.8  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.915   | 0.2   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.858   | 0.3   | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.197   | 9.6   | 82    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.859   | -1.7  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.300   | -10.6 | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.133   | -0.3  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.963   | 6.1   | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.193   | -2.4  | 102   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 51 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 16 06:06:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
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QLast Update : Mon Mar 15 11:55:59 2021  
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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.627 | 0.7  | 98    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6