

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\X060921\  
 Data File : VX022629.D  
 Acq On : 09 Jun 2021 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 10 05:47:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 14:27:50 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   | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.664  | -11.3 | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.887  | -3.8  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.234  | -2.5# | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.322  | -4.6  | 89    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.954  | -1.9  | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.159  | -2.3  | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.446  | -2.9  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.127  | -4.3  | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.702  | 6.6   | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 256.141 | -2.5  | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.481  | 1.0#  | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 237.847 | 4.9   | 87    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.857  | -3.7  | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 267.666 | -7.1  | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.432 | -3.0  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.830  | 12.3  | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.302  | -8.6  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.236  | -6.5  | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.953  | 4.1   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.365  | -0.7  | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.493  | -5.0  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 265.768 | -6.3  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.940  | -5.9  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 266.316 | -6.5  | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.329  | 9.3   | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.774  | -1.5  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.453  | -0.9  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 264.136 | -5.7  | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.959  | -5.9# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.728  | -5.5  | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.992  | -8.0  | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.428  | -0.9  | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.496  | -3.0  | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.577  | -5.2  | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.851  | -3.7  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.977  | 0.0   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.661  | 0.7   | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.070  | -4.1  | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.155  | -2.3  | 91    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.374  | -4.7  | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.662  | -5.3  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.072  | -2.1  | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.812  | -7.6# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.575  | -3.2  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.013  | 2.0   | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.148  | -6.3  | 91    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 10 05:47:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 07 14:27:50 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 | 1035.957 | -3.6  | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.747   | -1.5  | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 274.069  | -9.6  | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.814   | -1.6# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.646   | 8.7   | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.147   | 5.7   | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.465   | -8.9  | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.448   | 3.1   | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.877   | -5.8  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 245.147  | 1.9   | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 276.059  | -10.4 | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.414   | 7.2   | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.012   | -6.0  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.948   | -3.9  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.649   | -1.3  | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.525   | -3.0  | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.922   | 0.2   | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.702   | -5.4# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.115  | -7.1  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.533   | -9.1  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.752   | -7.5  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.763   | 8.5   | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.889   | -7.8  | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.960   | -7.9  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.643   | -7.3  | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.573   | -9.1  | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.990   | -4.0  | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.643   | -5.3  | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.845   | -5.7  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.898   | -5.8  | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.581   | 12.8  | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.303   | -6.6  | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.728   | -9.5  | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.934   | -5.9  | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.419   | -6.8  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.145   | -8.3  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.709   | -1.4  | 90    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.536   | 0.9   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.609   | -7.2  | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.463   | 7.1   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.057   | -6.1  | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.529   | 4.9   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.019   | -2.0  | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.393   | 3.2   | 85    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.885   | -9.8  | 92    | 0.00     |

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 07 14:27:50 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 | 52.869 | -5.7 | 91    | 0.00     |

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