

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071522\  
 Data File : VX030080.D  
 Acq On : 15 Jul 2022 09:47  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 16 05:59:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 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    | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.257  | -8.5   | 96    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.592  | -5.2   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.667  | -5.3#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.158  | -6.3   | 109   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.864  | 2.3    | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.000  | -8.0   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.577  | -1.2   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.189  | -8.4   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.570  | -5.1   | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.046 | 14.0   | 86    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.294  | -6.6#  | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 239.771 | 4.1    | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.256  | -8.5   | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.532 | -6.2   | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 244.318 | 2.3    | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.138  | 1.7    | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.354  | -2.7   | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.979  | -8.0   | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.824  | -7.6   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 55.024  | -10.0  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.832  | -11.7  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 288.300 | -15.3  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.936  | -7.9   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 261.139 | -4.5   | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.769  | -11.5  | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.224  | -4.4   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.641  | -9.3   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.879 | -5.6   | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.679  | -9.4#  | 101   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 55.416  | -10.8  | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.005  | -10.0  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.830  | -5.7   | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.099  | -4.2   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.972  | -11.9  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.113  | -10.2  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.997  | -14.0  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 58.360  | -16.7  | 99    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.149  | -12.3  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.770  | -11.5  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 58.408  | -16.8  | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.084  | -10.2  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.211  | -4.4   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.217  | -10.4# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.595  | -9.2   | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.497  | -13.0  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.971  | -15.9  | 98    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071522\  
 Data File : VX030080.D  
 Acq On : 15 Jul 2022 09:47  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 16 05:59:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 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 | 1051.514 | -5.2   | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.156   | -6.3   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 282.318  | -12.9  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.990   | -8.0#  | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.424   | -14.8  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.928   | -13.9  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.513   | -11.0  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.675   | -13.3  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.020   | -12.0  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 273.649  | -9.5   | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 287.498  | -15.0  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.384   | -10.8  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.398   | -8.8   | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.788   | -11.6  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.484   | -7.0   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.025   | -6.0   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.526   | -9.1   | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.701   | -13.4# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.295  | -10.3  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.456   | -8.9   | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.461   | -10.9  | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.672   | -3.3   | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.325   | -8.7   | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.685   | -11.4  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.627   | -1.3   | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.385   | -6.8   | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.768   | 0.5    | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.723   | -11.4  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.712   | -7.4   | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.576   | -9.2   | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.526   | -5.1   | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.099   | -10.2  | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.085   | -4.2   | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.629   | -11.3  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.912   | -11.8  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.622   | -13.2  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.367   | -6.7   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.774   | -3.5   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 60.055   | -20.1  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.901   | -9.8   | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.030   | -2.1   | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.427   | -10.9  | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.273   | -2.5   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.472   | -4.9   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.988   | -4.0   | 97    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071522\  
Data File : VX030080.D  
Acq On : 15 Jul 2022 09:47  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 16 05:59:52 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 13 09:05:23 2022  
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 | 52.380 | -4.8 | 97    | 0.00     |

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