

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
 Data File : VX035455.D  
 Acq On : 01 May 2023 20:57  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 02 00:06:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 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  | 39.073  | 21.9  | 54    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.510  | 15.0  | 62    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.526  | 14.9# | 61    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 33.239  | 33.5# | 48    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.211  | 13.6  | 63    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 41.157  | 17.7  | 61    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.255  | -4.5  | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 39.539  | 20.9  | 58    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 33.968  | 32.1# | 46    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 293.766 | -17.5 | 81    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.891  | 12.2# | 65    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 274.821 | -9.9  | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.210  | 1.6   | 71    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 283.708 | -13.5 | 81    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 252.584 | -1.0  | 75    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.510  | 17.0  | 59    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.912  | -17.8 | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.718  | -13.4 | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.419  | 3.2   | 77    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.575  | 4.8   | 70    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.165  | -6.3  | 77    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 282.887 | -13.2 | 78    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.827  | -3.7  | 74    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 278.535 | -11.4 | 80    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.390  | 11.2  | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.006  | -4.0  | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.738  | -3.5  | 72    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 279.914 | -12.0 | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.565  | -5.1# | 75    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 38.426  | 23.1  | 55    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.874  | 4.3   | 68    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.099  | -6.2  | 77    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.951  | 2.1   | 78    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 38.678  | 22.6  | 64    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.637  | -7.3  | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 41.123  | 17.8  | 64    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 30.715  | 38.6# | 49    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.269  | 9.5   | 74    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.130  | -8.3  | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.985  | 4.0   | 78    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.422  | -4.8  | 82    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.813  | 12.4  | 71    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.675  | 4.7#  | 76    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.458  | 1.1   | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.233  | -0.5  | 77    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.014  | -6.0  | 81    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
 Data File : VX035455.D  
 Acq On : 01 May 2023 20:57  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 02 00:06:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 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 | 991.588 | 0.8   | 79    | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 44.631  | 10.7  | 70    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 261.716 | -4.7  | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 44.891  | 10.2# | 72    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.415  | -4.8  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.176  | -2.4  | 76    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.825  | 0.3   | 80    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.815  | -5.6  | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.620  | 0.8   | 80    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 287.486 | -15.0 | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.442 | -3.4  | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.757  | -5.5  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.625  | -1.3  | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.394  | 7.2   | 74    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 38.293  | 23.4  | 65    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.413  | 11.2  | 75    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.882  | 2.2   | 78    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 42.611  | 14.8# | 69    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 86.608  | 13.4  | 70    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.068  | 9.9   | 73    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.434  | 5.1   | 75    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.287  | -6.6  | 80    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 76    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 43.485  | 13.0  | 67    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 54.606  | -9.2  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.831  | -5.7  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.595  | 2.8   | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.937  | 2.1   | 75    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 41.713  | 16.6  | 64    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.527  | 10.9  | 70    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 43.696  | 12.6  | 66    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.254  | 3.5   | 70    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.008  | 10.0  | 70    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 43.199  | 13.6  | 67    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 44.812  | 10.4  | 68    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 38.124  | 23.8  | 58    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 39.639  | 20.7  | 60    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 44.575  | 10.8  | 70    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 43.070  | 13.9  | 70    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 35.339  | 29.3# | 53    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 41.438  | 17.1  | 59    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 45.953  | 8.1   | 74    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.905  | -9.8  | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 40.696  | 18.6  | 63    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 30.447  | 39.1# | 49    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.650  | -3.3  | 77    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
Data File : VX035455.D  
Acq On : 01 May 2023 20:57  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: May 02 00:06:48 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
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 | 40.631 | 18.7 | 64    | 0.00     |

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