

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038916.D  
 Acq On : 18 Nov 2023 07:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 20 00:36:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 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   | 60    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.038  | -0.1  | 56    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.900  | 4.2   | 60    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.152  | 1.7#  | 60    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 60.852  | -21.7 | 64    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.890  | -5.8  | 63    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.508  | -1.0  | 61    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.152  | -6.3  | 67    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.601  | 10.8  | 54    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.861  | -1.7  | 60    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 308.692 | -23.5 | 76    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.814  | 6.4#  | 57    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 268.603 | -7.4  | 70    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.094  | 3.8   | 59    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 277.909 | -11.2 | 67    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 256.277 | -2.5  | 63    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.790  | 16.4  | 54    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.892  | -17.8 | 71    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.771  | -9.5  | 66    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.668  | 4.7   | 62    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.305  | 5.4   | 59    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.438  | -6.9  | 64    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.646 | -2.7  | 61    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.916  | -1.8  | 62    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 275.076 | -10.0 | 67    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 32.628  | 34.7# | 40    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.193  | -0.4  | 62    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.790  | -7.6  | 66    | 0.01     |
| 29 T  | Tetrahydrofuran             | 250.000 | 287.451 | -15.0 | 68    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.908  | -5.8# | 66    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.629  | 10.7  | 55    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.381  | -0.8  | 62    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.532  | -7.1  | 64    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 60    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.952  | -1.9  | 62    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.183  | 7.6   | 57    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.337  | -8.7  | 66    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.184  | -0.4  | 62    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.781  | 16.4  | 53    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.164  | 1.7   | 61    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.551  | -11.1 | 66    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.898  | -9.8  | 67    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.297  | -8.6  | 66    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.474  | 1.1   | 61    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.603  | -1.2# | 61    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.753  | -7.5  | 65    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.424  | -2.8  | 64    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.598  | -5.2  | 67    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038916.D  
 Acq On : 18 Nov 2023 07:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 20 00:36:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 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 | 1259.823 | -26.0# | 79    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.886   | 4.2    | 58    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 282.523  | -13.0  | 69    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.243   | 3.5#   | 60    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.614   | 4.8    | 59    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.894   | 4.2    | 58    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.923   | -3.8   | 64    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.499   | -7.0   | 64    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.730   | -5.5   | 65    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 264.779  | -5.9   | 76    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 278.910  | -11.6  | 67    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.320   | -6.6   | 66    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.838   | -5.7   | 65    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.540   | 4.9    | 58    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 61    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.865   | -3.7   | 66    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.940   | 4.1    | 61    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.144   | -0.3   | 64    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.443   | 5.1#   | 59    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.111   | 5.9    | 59    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.308   | 3.4    | 61    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.176   | 3.6    | 61    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.232   | -6.5   | 66    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 61    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.237   | 7.5    | 60    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.915   | -1.8   | 63    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.436   | -0.9   | 65    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 59.242   | -18.5  | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.138   | 3.7    | 63    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 45.717   | 8.6    | 58    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.723   | 8.6    | 60    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.681   | 4.6    | 61    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.693   | 16.6   | 52    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.866   | 6.3    | 60    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.809   | 8.4    | 59    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.320   | 5.4    | 61    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.240   | 7.5    | 59    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.800   | 8.4    | 59    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.574   | 4.9    | 61    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.784   | 6.4    | 61    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.217   | 11.6   | 56    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.489   | 9.0    | 58    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.211   | 1.6    | 64    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.227   | -6.5   | 67    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.508   | 5.0    | 61    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.800   | 10.4   | 57    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.360   | -0.7   | 65    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
Data File : VX038916.D  
Acq On : 18 Nov 2023 07:49  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 55 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 20 00:36:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 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 | 49.390 | 1.2  | 63    | 0.00     |

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