

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101023\  
 Data File : VX038186.D  
 Acq On : 10 Oct 2023 09:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 11 01:32:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.078  | -2.2  | 92    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.842  | 4.3   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.448  | 5.1#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.071  | 7.9   | 79    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.881  | 4.2   | 80    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.188  | 7.6   | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.120  | 9.8   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.720  | -3.4  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.607  | 2.8   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 211.543 | 15.4  | 80    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.934  | 0.1#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 283.143 | -13.3 | 116   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.188  | 3.6   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 237.755 | 4.9   | 88    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 294.624 | -17.8 | 114   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.550  | 6.9   | 91    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.866  | 4.3   | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.090  | 3.8   | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.530  | 10.9  | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.074  | 3.9   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.698  | 0.6   | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.867 | -0.3  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.395  | 3.2   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 251.733 | -0.7  | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.075  | -4.2  | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.541  | 2.9   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.362  | -4.7  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.131 | 7.5   | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.932  | 0.1#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.966  | 0.1   | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.072  | -0.1  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.824  | 6.4   | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.030  | -0.1  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.705  | 2.6   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.059  | 1.9   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.358  | -4.7  | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.439  | -4.9  | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.991  | -2.0  | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.304  | -0.6  | 88    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.055  | -0.1  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.603  | -1.2  | 86    | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 52.513  | -5.0  | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.463  | -2.9# | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.125  | -2.3  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.523  | -7.0  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.024  | -2.0  | 87    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101023\  
 Data File : VX038186.D  
 Acq On : 10 Oct 2023 09:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 11 01:32:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 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 | 900.073 | 10.0  | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.977  | 0.0   | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 257.237 | -2.9  | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.166  | -4.3# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.584  | -11.2 | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.228  | -6.5  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.629  | -3.3  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.237  | -4.5  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.243  | -4.5  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 251.626 | -0.7  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 269.338 | -7.7  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.955  | -11.9 | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.011  | -4.0  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.795  | -5.6  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.157  | -0.3  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.296  | 1.4   | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.349  | -6.7  | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.627  | -1.3# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.148 | -0.1  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.156  | -0.3  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.652  | -5.3  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.985  | 2.0   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.403  | 1.2   | 93    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.728  | -3.5  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.669  | -1.3  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.825  | 8.3   | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.374  | 1.3   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.208  | -0.4  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.396  | 3.2   | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.276  | -0.6  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.048  | 3.9   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.548  | 0.9   | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.819  | 0.4   | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.116  | -2.2  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.344  | -2.7  | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.452  | -2.9  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.156  | 1.7   | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.981  | 2.0   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.569  | -3.1  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.237  | -8.5  | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.997  | 0.0   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.297  | -4.6  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.761  | 0.5   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.017  | -4.0  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.451  | 3.1   | 93    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101023\  
Data File : VX038186.D  
Acq On : 10 Oct 2023 09:13  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 11 01:32:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 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 | 49.733 | 0.5  | 95    | 0.00     |

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