

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
 Data File : VX045401.D  
 Acq On : 21 Mar 2025 20:41  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 22 02:54:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 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    | 73    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.221  | 5.6    | 69    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.198  | 13.6   | 64    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.831  | 12.3#  | 64    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.692  | 0.6    | 74    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.116  | 9.8    | 62    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.505  | 1.0    | 69    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.412  | 3.2    | 72    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.132  | -10.3  | 78    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.375  | -8.8   | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 216.377 | 13.4   | 71    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.239  | -0.5#  | 72    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 249.782 | 0.1    | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.217  | -10.4  | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 270.857 | -8.3   | 77    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 272.633 | -9.1   | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.262  | 23.5   | 55    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 74.217  | -48.4# | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.141  | -14.3  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.722  | -3.4   | 79    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.770  | -3.5   | 72    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.185  | -14.4  | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 282.670 | -13.1  | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.318  | -10.6  | 81    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 283.702 | -13.5  | 79    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 69.398  | -38.8# | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.229  | -8.5   | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 57.732  | -15.5  | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 269.265 | -7.7   | 78    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 58.430  | -16.9# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.368  | 3.3    | 69    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 57.268  | -14.5  | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.980  | -10.0  | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.497  | -7.0   | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.446  | -6.9   | 76    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.690  | -9.4   | 77    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.138  | -12.3  | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.725  | -3.5   | 70    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.866  | -7.7   | 75    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 59.981  | -20.0  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 61.661  | -23.3  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.582  | -15.2  | 78    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.459  | -6.9   | 77    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.246  | -10.5# | 80    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 58.374  | -16.7  | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 59.068  | -18.1  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.949  | -17.9  | 81    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
 Data File : VX045401.D  
 Acq On : 21 Mar 2025 20:41  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 22 02:54:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 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 | 985.741 | 1.4    | 70    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.417  | 1.2    | 72    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 292.590 | -17.0  | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.048  | -10.1# | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 59.170  | -18.3  | 79    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.304  | -16.6  | 79    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.131  | -12.3  | 80    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.321  | -16.6  | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.184  | -12.4  | 79    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 327.394 | -31.0# | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 294.834 | -17.9  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.765  | -15.5  | 80    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.890  | -13.8  | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.550  | -5.1   | 76    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 72    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.474  | -6.9   | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.968  | -7.9   | 75    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.016  | -12.0  | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.012  | -12.0# | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.853 | -11.9  | 75    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.016  | -8.0   | 75    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.041  | -14.1  | 76    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.963  | -15.9  | 80    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 75    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.369  | -8.7   | 77    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.217  | -12.4  | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.359  | -8.7   | 83    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.751  | -9.5   | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.964  | -3.9   | 77    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.477  | -11.0  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.282  | -6.6   | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.096  | -8.2   | 76    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.090  | -2.2   | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.654  | -9.3   | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.572  | -7.1   | 77    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.172  | -10.3  | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.276  | -10.6  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.971  | -11.9  | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.143  | -6.3   | 79    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.463  | -4.9   | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 57.458  | -14.9  | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.118  | -6.2   | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.100  | -8.2   | 80    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.571  | -19.1  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.965  | -13.9  | 80    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.141  | -10.3  | 82    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.787  | -13.6  | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
Data File : VX045401.D  
Acq On : 21 Mar 2025 20:41  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
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 | 55.183 | -10.4 | 78    | 0.00     |

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