

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX071525\  
 Data File : VX046988.D  
 Acq On : 15 Jul 2025 10:18  
 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 02:20:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 05:51:11 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.742  | 4.5    | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.297  | 7.4    | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.451  | 5.1#   | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.351  | 5.3    | 78    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.706  | 4.6    | 84    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.431  | -2.9   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.608  | -9.2   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.178  | -4.4   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.274  | 5.5    | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 408.859 | -63.5# | 136   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.288  | -0.6#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 286.283 | -14.5  | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.728  | -9.5   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 312.460 | -25.0  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 294.924 | -18.0  | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.917  | 16.2   | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 77.325  | -54.7# | 123   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 62.763  | -25.5# | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.485  | -5.0   | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.706  | -1.4   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 58.297  | -16.6  | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 299.702 | -19.9  | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.850  | -7.7   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 339.868 | -35.9# | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.081  | -14.2  | 96    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.305  | -6.6   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.003  | -4.0   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 343.369 | -37.3# | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.421  | -8.8#  | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.888  | 2.2    | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.477  | -9.0   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.387  | -8.8   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.829  | -5.7   | 88    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.018  | -0.0   | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 58.928  | -17.9  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.505  | -5.0   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.168  | 3.7    | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.155  | -2.3   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 65.603  | -31.2# | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.334  | -8.7   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 65.387  | -30.8# | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.609  | 0.8    | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.443  | -6.9#  | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.441  | -6.9   | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.798  | -7.6   | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 66.260  | -32.5# | 105   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 16 02:20:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 05:51:11 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 | 1411.910 | -41.2# | 115   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.622   | -1.2   | 84    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 333.458  | -33.4# | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.509   | -3.0#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.150   | -16.3  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.477   | -13.0  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.451   | -10.9  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.802   | -27.6# | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.679   | -9.4   | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 313.811  | -25.5# | 97    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 347.058  | -38.8# | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.831   | -9.7   | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.503   | -11.0  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.283   | -6.6   | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.747   | 4.5    | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.067   | -4.1   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.701   | -9.4   | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.090   | -6.2#  | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.033  | -5.0   | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.191   | -6.4   | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.216   | -8.4   | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.287   | -12.6  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 82    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.052   | -10.1  | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 67.514   | -35.0# | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 59.324   | -18.6  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 62.119   | -24.2  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.115   | -8.2   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.061   | -8.1   | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.911   | -7.8   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.555   | -11.1  | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 62.934   | -25.9# | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.922   | -9.8   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.447   | -10.9  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.888   | -9.8   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.448   | -8.9   | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.164   | -8.3   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.393   | -6.8   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.299   | -2.6   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.620   | -7.2   | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.616   | -7.2   | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.099   | -6.2   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 66.756   | -33.5# | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.458   | -8.9   | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.589   | -3.2   | 84    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 62.888   | -25.8# | 96    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 16 02:20:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070225W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 03 05:51:11 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 | 55.364 | -10.7 | 88    | 0.00     |

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