

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX051925\  
 Data File : VX046282.D  
 Acq On : 19 May 2025 20:52  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 19 23:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 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    | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.259  | -2.5   | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.848  | -3.7   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.137  | -0.3#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.315  | 7.4    | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.618  | -5.2   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.150  | -2.3   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.478  | 1.0    | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.503  | -1.0   | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.795  | -3.6   | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 314.598 | -25.8# | 115   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.403  | -0.8#  | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 333.901 | -33.6# | 118   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.273  | -6.5   | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 279.639 | -11.9  | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 278.887 | -11.6  | 104   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.873  | 6.3    | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 62.819  | -25.6# | 116   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.181  | -10.4  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.270  | 3.5    | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.132  | -2.3   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.591  | -9.2   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 274.817 | -9.9   | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.187  | -6.4   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 288.143 | -15.3  | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.257  | 15.5   | 76    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.640  | -3.3   | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.562  | 2.9    | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 286.203 | -14.5  | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.492  | -7.0#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.405  | -0.8   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.280  | -6.6   | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.251  | 1.5    | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.603  | 0.8    | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.247  | 1.5    | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.992  | -6.0   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.726  | -1.5   | 92    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.775  | 2.5    | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.976  | -2.0   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.224  | -14.4  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.046  | -2.1   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.274  | -10.5  | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.587  | 0.8    | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.092  | -6.2#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.075  | -2.2   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.445  | -4.9   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.173  | -14.3  | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 19 23:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 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 | 1223.338 | -22.3 | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.096   | 3.8   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 280.749  | -12.3 | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.624   | -1.2# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.722   | -3.4  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.910   | -3.8  | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.423   | -4.8  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.768   | -13.5 | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.676   | -1.4  | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.849  | -5.1  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 290.291  | -16.1 | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.520   | -5.0  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.306   | -4.6  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.041   | 1.9   | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.987   | 4.0   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.227   | -0.5  | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.336   | -2.7  | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.731   | -3.5# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.807  | -2.8  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.665   | -3.3  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.580   | -7.2  | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.733   | -5.5  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.215   | -2.4  | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.726   | -11.5 | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.017   | -2.0  | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.120   | -0.2  | 99    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.995   | 0.0   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.768   | -1.5  | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.189   | 1.6   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.662   | -3.3  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.655   | -1.3  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.410   | -2.8  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.963   | -1.9  | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.001   | -4.0  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.592   | -3.2  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.444   | -2.9  | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.178   | -0.4  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.354   | 1.3   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.011   | -4.0  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.165   | -2.3  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.029   | -2.1  | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.705   | -11.4 | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.108   | -2.2  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.793   | 0.4   | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.080   | -6.2  | 100   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 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 | 50.768 | -1.5 | 95    | 0.00     |

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