

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102125\  
 Data File : VX048278.D  
 Acq On : 21 Oct 2025 18:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 24 04:30:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102025W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 20 14:13:59 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.636  | 8.7   | 86    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.125  | 17.8  | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.217  | 17.6# | 78    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.818  | 14.4  | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.175  | 11.7  | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.992  | 6.0   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.877  | 8.2   | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.374  | 11.3  | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.416  | -2.8  | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 204.253 | 18.3  | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.632  | 6.7#  | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 269.101 | -7.6  | 104   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.749  | 10.5  | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 230.910 | 7.6   | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 191.905 | 23.2  | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.561  | 16.9  | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.941  | 10.1  | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.837  | 2.3   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.124  | 3.8   | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.571  | 6.9   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.827  | 4.3   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.501 | 3.0   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.973  | 6.1   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 215.374 | 13.9  | 83    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.766  | 10.5  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.458  | 3.1   | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.680  | 4.6   | 83    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 218.490 | 12.6  | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.137  | 1.7#  | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.238  | 11.5  | 83    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.747  | 2.5   | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.153  | -12.3 | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.800  | -5.6  | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.371  | 9.3   | 92    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.851  | 14.3  | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.671  | 8.7   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 42.670  | 14.7  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.621  | 8.8   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.945  | 8.1   | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.906  | 0.2   | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.374  | 9.3   | 86    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.735  | 6.5   | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.474  | 7.1#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.155  | 5.7   | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.404  | 3.2   | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.243  | 7.5   | 87    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 24 04:30:16 2025  
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 Quant Title : SW846 8260  
 QLast Update : Mon Oct 20 14:13:59 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 | 901.119 | 9.9   | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.716  | -3.4  | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 227.242 | 9.1   | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.031  | 3.9#  | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.703  | 0.6   | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.929  | 4.1   | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.711  | 2.6   | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.025  | 2.0   | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.295  | 1.4   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 240.651 | 3.7   | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 229.287 | 8.3   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.293  | 1.4   | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.532  | 2.9   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 60.121  | -20.2 | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.374  | 15.3  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 45.637  | 8.7   | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.726  | 8.5   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 45.338  | 9.3#  | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 93.046  | 7.0   | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.976  | 6.0   | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.144  | 3.7   | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.009  | 8.0   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 111   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 41.323  | 17.4  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 40.243  | 19.5  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 42.247  | 15.5  | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.529  | 4.9   | 117   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 42.643  | 14.7  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 41.944  | 16.1  | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 41.700  | 16.6  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 42.365  | 15.3  | 100   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 40.195  | 19.6  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 42.258  | 15.5  | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 42.107  | 15.8  | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 42.577  | 14.8  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 40.863  | 18.3  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 40.931  | 18.1  | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 40.908  | 18.2  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 40.270  | 19.5  | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 39.088  | 21.8  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 38.153  | 23.7  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 42.066  | 15.9  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 40.930  | 18.1  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 38.490  | 23.0  | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 38.565  | 22.9  | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 41.822  | 16.4  | 97    | 0.00     |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Mon Oct 20 14:13:59 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 | 40.246 | 19.5 | 99    | 0.00     |

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