

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072825\  
 Data File : VX047152.D  
 Acq On : 28 Jul 2025 09:23  
 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 29 02:09:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 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    | 112   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.727  | -1.5   | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.008  | 16.0   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.863  | -1.7#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.679  | 6.6    | 90    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 43.650  | 12.7   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.881  | 2.2    | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.869  | 4.3    | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.434  | 3.1    | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 66.016  | -32.0# | 132   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 203.399 | 18.6   | 92    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.514  | 5.0#   | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 245.986 | 1.6    | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.322  | 9.4    | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 219.000 | 12.4   | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 283.344 | -13.3  | 126   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.560  | 10.9   | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.775  | 2.5    | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.357  | 3.3    | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.675  | 8.7    | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.623  | 6.8    | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.111  | 3.8    | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 239.393 | 4.2    | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.046  | 5.9    | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 224.280 | 10.3   | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.475  | -1.0   | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.987  | 8.0    | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.939  | 6.1    | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 205.097 | 18.0   | 84    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 45.752  | 8.5#   | 99    | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 44.070  | 11.9   | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.868  | 6.3    | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.814  | 6.4    | 114   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.137  | 1.7    | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.412  | 13.2   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.001  | 12.0   | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.601  | 8.8    | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.012  | 10.0   | 96    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.112  | 9.8    | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.782  | 12.4   | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 45.613  | 8.8    | 96    | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.379  | 7.2    | 93    | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 43.911  | 12.2   | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.568  | 8.9#   | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.223  | 7.6    | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.566  | 6.9    | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.560  | 12.9   | 92    | 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 29 02:09:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 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 | 855.709 | 14.4  | 87    | 0.06     |
| 50 S  | Toluene-d8                  | 50.000   | 45.131  | 9.7   | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 213.132 | 14.7  | 87    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 44.912  | 10.2# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.648  | 4.7   | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.037  | 5.9   | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 44.741  | 10.5  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.289  | 5.4   | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 44.153  | 11.7  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 214.896 | 14.0  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 222.991 | 10.8  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.475  | 7.0   | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 43.145  | 13.7  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.695  | 6.6   | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 110   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.044  | 11.9  | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.811  | 10.4  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.549  | 6.9   | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 45.698  | 8.6#  | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 90.690  | 9.3   | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.759  | 8.5   | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 46.608  | 6.8   | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.358  | 7.3   | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.859  | 4.3   | 94    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 45.866  | 8.3   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.301  | 9.4   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.094  | 9.8   | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.216  | 5.6   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.283  | 5.4   | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.686  | 6.6   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.211  | 5.6   | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 32.719  | 34.6# | 64    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.268  | 5.5   | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.070  | 3.9   | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.360  | 5.3   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.750  | 6.5   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.481  | 5.0   | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.908  | 8.2   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.547  | 8.9   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.248  | 5.5   | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.718  | 0.6   | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 45.154  | 9.7   | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.958  | 6.1   | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.076  | 7.8   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.994  | 8.0   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.309  | 7.4   | 88    | 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 29 02:09:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 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 | 45.561 | 8.9  | 91    | 0.00     |

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