

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX082025\  
 Data File : VX047427.D  
 Acq On : 20 Aug 2025 09:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 21 01:24:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 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   | 93    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.557  | 2.9   | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.729  | 8.5   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.643  | 6.7#  | 78    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.121  | 3.8   | 77    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.036  | 11.9  | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.149  | 5.7   | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.968  | 2.1   | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.129  | -0.3  | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 37.360  | 25.3# | 63    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 285.760 | -14.3 | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.532  | 6.9#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 292.470 | -17.0 | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.177  | 3.6   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.563 | -5.8  | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 290.885 | -16.4 | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.008  | 14.0  | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.608  | -11.2 | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.130  | -0.3  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.976  | 6.0   | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.500  | 7.0   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.981  | 0.0   | 82    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 254.613 | -1.8  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.405  | 5.2   | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 282.551 | -13.0 | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.981  | 4.0   | 81    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.103  | 5.8   | 81    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.582  | -5.2  | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 261.014 | -4.4  | 88    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 47.660  | 4.7#  | 81    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.560  | 6.9   | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.325  | 5.3   | 79    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.348  | -6.7  | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.744  | -9.5  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.379  | 5.2   | 79    | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 50.571  | -1.1  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.480  | 5.0   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.139  | 3.7   | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.393  | 3.2   | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.094  | 1.8   | 78    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.602  | 0.8   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.437  | -2.9  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.924  | 6.2   | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.152  | 1.7#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.216  | 1.6   | 83    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.856  | 0.3   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.141  | -2.3  | 83    | 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: Aug 21 01:24:47 2025  
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 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 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 | 1275.197 | -27.5# | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.057   | -6.1   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.005  | -7.2   | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.011   | 2.0#   | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.441   | -4.9   | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.782   | -1.6   | 82    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.160   | -0.3   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.154   | -4.3   | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.551   | -1.1   | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.666  | -3.5   | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 270.640  | -8.3   | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.268   | -0.5   | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.876   | 0.2    | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.278   | -8.6   | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.376   | 7.2    | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.849   | 6.3    | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.629   | 4.7    | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.382   | 5.2#   | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.706   | 3.3    | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.927   | 4.1    | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.091   | 1.8    | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.173   | -0.3   | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.683   | 2.6    | 81    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.206   | -2.4   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.970   | 0.1    | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.771   | -1.5   | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.888   | 4.2    | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.618   | 2.8    | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.399   | 5.2    | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.420   | 3.2    | 81    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.211   | 5.6    | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.507   | 5.0    | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.413   | 1.2    | 82    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.900   | 2.2    | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.771   | 0.5    | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.153   | 1.7    | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.198   | 5.6    | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.327   | 7.3    | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.180   | -0.4   | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.346   | 1.3    | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.527   | 4.9    | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.361   | -0.7   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.275   | 3.5    | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.627   | -3.3   | 99    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.423   | -2.8   | 84    | 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: Aug 21 01:24:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 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 | 48.632 | 2.7  | 85    | 0.00     |

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