

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV110425\  
 Data File : VV039306.D  
 Acq On : 04 Nov 2025 11:21  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 05 00:26:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V100725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:01:26 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev    | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|---------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0     | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.427  | 21.1#   | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.141  | 9.7     | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.566  | 16.9#   | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.281  | -0.6    | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.893  | -5.8    | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.918  | 14.2    | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.152  | -6.3    | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.023  | 14.0    | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 66.690  | -33.4#  | 107   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 172.512 | 31.0#   | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 42.044  | 15.9#   | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 597.108 | -138.8# | 214   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.823  | 8.4     | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 245.798 | 1.7     | 100   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 280.314 | -12.1   | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.845  | 14.3    | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.910  | 8.2     | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.858  | -11.7   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 60.899  | -21.8#  | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.462  | 9.1     | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.278  | -12.6   | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 287.608 | -15.0   | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.249  | 5.5     | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.955 | -6.0    | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.765  | 10.5    | 87    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.658  | -7.3    | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.360  | -10.7   | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.808 | -4.3    | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.444  | 1.1#    | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.579  | 8.8     | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.126  | 9.7     | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.092  | -12.2   | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0     | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.726  | -7.5    | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.602  | 8.8     | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.883  | 0.2     | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.250  | 7.5     | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.576  | 8.8     | 79    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.813  | -1.6    | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.736  | -7.5    | 100   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.074  | -4.1    | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 58.059  | -16.1   | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.767  | 2.5     | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.926  | -9.9#   | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.994  | -6.0    | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.319  | -4.6    | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.640  | -15.3   | 100   | 0.00     |

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

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 05 00:26:22 2025  
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 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:01:26 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 715.578 | 28.4#  | 65    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.707  | -5.4   | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 284.472 | -13.8  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.182  | -6.4#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.145  | -16.3  | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.165  | -14.3  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.719  | -7.4   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 65.633  | -31.3# | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.383  | -14.8  | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 295.215 | -18.1  | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 285.636 | -14.3  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.397  | -8.8   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.543  | -11.1  | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.299  | -10.6  | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.957  | 6.1    | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.993  | 2.0    | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.149  | 1.7    | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.129  | -4.3#  | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.762 | -9.8   | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.059  | -12.1  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.415  | -18.8  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.721  | -9.4   | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.993  | -6.0   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.636  | -13.3  | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.616  | 4.8    | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.325  | 3.3    | 99    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.955  | -5.9   | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.927  | -3.9   | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.616  | -5.2   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.548  | -9.1   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.209  | -12.4  | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.705  | -9.4   | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.126  | -2.3   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.752  | -11.5  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.001  | 2.0    | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.123  | -0.2   | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.845  | -1.7   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.188  | 5.6    | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.584  | 4.8    | 80    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 41.426  | 17.1   | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.915  | -1.8   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.325  | 7.3    | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.589  | -5.2   | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 35.087  | 29.8#  | 71    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.064  | -18.1  | 95    | 0.00     |

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

Instrument :  
MSVOA\_V  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:01:26 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.198 | -6.4 | 93    | 0.00     |

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