

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092525\  
 Data File : VV039168.D  
 Acq On : 25 Sep 2025 09:59  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 26 01:18:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 08:08:08 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   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.088  | 13.8  | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.924  | 14.2  | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.040  | 9.9#  | 105   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.912  | 20.2# | 97    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.163  | 5.7   | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.520  | 9.0   | 108   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.259  | 7.5   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.275  | 9.5   | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.640  | 12.7  | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 249.596 | 0.2   | 120   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.283  | 7.4#  | 111   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 229.786 | 8.1   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.523  | 11.0  | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 223.829 | 10.5  | 108   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 224.844 | 10.1  | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.464  | 13.1  | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.408  | 7.2   | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.768  | 6.5   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.438  | -0.9  | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.131  | 9.7   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.947  | 10.1  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 228.109 | 8.8   | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.389  | 13.2  | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 234.849 | 6.1   | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.800  | 18.4  | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.579  | 6.8   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.019  | 12.0  | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 244.856 | 2.1   | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.324  | 13.4# | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.432  | 11.1  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.071  | 11.9  | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.102  | 15.8  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.826  | 4.3   | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.586  | 0.8   | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.290  | 5.4   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.350  | 7.3   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.277  | -8.6  | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.671  | 2.7   | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.017  | 6.0   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.050  | 7.9   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.848  | -1.7  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.680  | -1.4  | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.088  | -0.2# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.059  | 3.9   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.843  | 6.3   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.825  | -5.7  | 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

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 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 08:08:08 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 | 1135.751 | -13.6  | 117   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.485   | 5.0    | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.177  | -6.1   | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.474   | -4.9#  | 102   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.243   | -4.5   | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.312   | -4.6   | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.443   | 3.1    | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.707   | -15.4  | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.373   | 1.3    | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.039  | -2.8   | 105   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 247.438  | 1.0    | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.938   | 2.1    | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.719   | -1.4   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.218   | -4.4   | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.857   | 0.3    | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.450   | 1.1    | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.975   | 4.0    | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.024   | -10.0# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 115.018  | -15.0  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 58.347   | -16.7  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.114   | -0.2   | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.118   | -2.2   | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.407   | -8.8   | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.064   | -10.1  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 43.928   | 12.1   | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.019   | 6.0    | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.357   | 1.3    | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.995   | -8.0   | 101   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.939   | -5.9   | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.020   | -12.0  | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.926   | -1.9   | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.904   | -7.8   | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.579   | -7.2   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.693   | -13.4  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.713   | -7.4   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.380   | -8.8   | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.773   | 2.5    | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.535   | 8.9    | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.607   | -9.2   | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.260   | 11.5   | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.799   | 2.4    | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.961   | -1.9   | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.055   | -4.1   | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.975   | 8.0    | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.749   | -15.5  | 104   | 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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V092225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 08:08:08 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 | 51.848 | -3.7 | 101   | 0.00     |

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