

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV082225\  
 Data File : VV039009.D  
 Acq On : 22 Aug 2025 09:03  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 25 02:18:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 04:15:04 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    | 164   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.193  | 19.6   | 136   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 37.917  | 24.2#  | 125   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.408  | 15.2#  | 138   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.434  | 21.1#  | 127   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.484  | -13.0  | 186   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.068  | 5.9    | 158   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 60.384  | -20.8# | 213   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.939  | -3.9   | 189   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.582  | 4.8    | 153   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 327.635 | -31.1# | 217   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.512  | -7.0#  | 186   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 344.609 | -37.8# | 235   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 63.512  | -27.0# | 222   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 315.255 | -26.1# | 217   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 325.050 | -30.0# | 241   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 56.658  | -13.3  | 199   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 67.125  | -34.3# | 234   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 62.196  | -24.4# | 199   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.019  | -2.0   | 188   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.261  | -6.5   | 180   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 59.993  | -20.0  | 226   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 317.129 | -26.9# | 226   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.751  | -3.5   | 199   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 313.639 | -25.5# | 227   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.904  | 4.2    | 178   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.661  | -5.3   | 192   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 58.409  | -16.8  | 205   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 305.143 | -22.1# | 234   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.795  | 6.4#   | 176   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.931  | -5.9   | 211   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.149  | 9.7    | 169   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.987  | 6.0    | 168   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 183   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.361  | 11.3   | 176   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.338  | 3.3    | 191   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.938  | -7.9   | 241   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 40.352  | 19.3   | 157   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.302  | -4.6   | 189   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.468  | 3.1    | 189   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 64.957  | -29.9# | 231   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 43.971  | 12.1   | 175   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.797  | -13.6  | 226   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.413  | 9.2    | 176   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.712  | -1.4#  | 206   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 44.778  | 10.4   | 180   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 44.936  | 10.1   | 176   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 60.130  | -20.3# | 220   | 0.00     |

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

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 25 02:18:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 04:15:04 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 | 1260.263 | -26.0# | 235   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.158   | 11.7   | 158   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 280.159  | -12.1  | 194   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.770   | 2.5#   | 161   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.315   | -0.6   | 155   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.496   | -3.0   | 182   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 44.541   | 10.9   | 147   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.517   | 5.0    | 167   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.624   | 4.8    | 152   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 261.458  | -4.6   | 193   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 218.888  | 12.4   | 156   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 43.375   | 13.3   | 145   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.749   | 6.5    | 150   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.267   | 7.5    | 145   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 146   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.768   | 6.5    | 139   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.922   | 4.2    | 145   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.644   | 6.7    | 140   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.389   | -8.8#  | 150   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.718  | -7.7   | 143   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.520   | -13.0  | 151   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.692   | -11.4  | 141   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.453   | 5.1    | 141   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 127   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.306   | -12.6  | 144   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 64.396   | -28.8# | 162   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.029   | 3.9    | 146   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.224   | -2.4   | 142   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.537   | -3.1   | 140   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.132   | -14.3  | 143   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 58.783   | -17.6  | 152   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 58.975   | -18.0  | 145   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.708   | -13.4  | 144   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 58.468   | -16.9  | 145   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.676   | -17.4  | 148   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 60.825   | -21.7# | 145   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.658   | -17.3  | 146   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.774   | -15.5  | 142   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.235   | -2.5   | 137   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.711   | 2.6    | 135   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.537   | -7.1   | 134   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.493   | 9.0    | 132   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.745   | 0.5    | 135   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.843   | -5.7   | 148   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.831   | -7.7   | 136   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.866   | 12.3   | 125   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 62.163   | -24.3# | 145   | 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: Aug 25 02:18:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 04:15:04 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 | 55.437 | -10.9 | 140   | 0.00     |

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