

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080625\  
 Data File : VW032023.D  
 Acq On : 06 Aug 2025 09:34  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 07 02:15:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.153  | 11.7  | 97    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.139  | 3.7   | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.281  | -0.6# | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.778  | 4.4   | 107   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.710  | 0.6   | 110   | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.459  | 15.1  | 83    | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 47.941  | 4.1   | 110   | -0.01    |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.475  | -1.0  | 110   | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 49.631  | 0.7   | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 247.020 | 1.2   | 107   | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.449  | -0.9# | 111   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 40.765  | 83.7# | 24    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.247  | 1.5   | 107   | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 243.674 | 2.5   | 107   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 226.256 | 9.5   | 104   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.771  | -1.5  | 110   | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 52.145  | -4.3  | 115   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.859  | -7.7  | 116   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.711  | 6.6   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.545  | 0.9   | 108   | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 50.200  | -0.4  | 107   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.850 | 0.9   | 105   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.841  | 0.3   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 237.745 | 4.9   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.515  | 1.0   | 104   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.398  | -0.8  | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.159  | 13.7  | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 242.410 | 3.0   | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.875  | 0.3#  | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.583  | 4.8   | 107   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.166  | -2.3  | 111   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.428  | 7.1   | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.746  | 0.5   | 106   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.566  | -3.1  | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.211  | 3.6   | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.923  | -5.8  | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.298  | -4.6  | 107   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.168  | -4.3  | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.872  | 2.3   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.865  | -1.7  | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.412  | -2.8  | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.237  | -4.5  | 108   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.386  | -2.8# | 108   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.283  | -4.6  | 109   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.402  | -4.8  | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.478  | -7.0  | 109   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 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 | 1367.171 | -36.7# | 123   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.087   | -0.2   | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 261.993  | -4.8   | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.104   | -4.2#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.295   | -4.6   | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.354   | -4.7   | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.562   | -5.1   | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.071   | -8.1   | 108   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.349   | -4.7   | 108   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.488  | 3.0    | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.730  | -3.5   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.667   | -9.3   | 113   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.505   | -5.0   | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.525   | -1.0   | 110   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 107   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.629   | -3.3   | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.968   | -1.9   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.084   | -4.2   | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.628   | -1.3#  | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.526  | -4.5   | 110   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.838   | -5.7   | 109   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.594   | -7.2   | 110   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.623   | -7.2   | 109   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.956   | -7.9   | 106   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 55.659   | -11.3  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.674   | -9.3   | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.660   | -7.3   | 107   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.838   | -11.7  | 115   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.965   | -5.9   | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.231   | -6.5   | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.304   | -8.6   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.440   | -10.9  | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.269   | -8.5   | 110   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.492   | -5.0   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.053   | -8.1   | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.849   | -7.7   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.600   | -5.2   | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.644   | -7.3   | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.457   | -10.9  | 116   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.955   | -7.9   | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.607   | -7.2   | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.386   | -2.8   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.764   | -3.5   | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.159   | -14.3  | 120   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.306   | -4.6   | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.781   | -11.6  | 112   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

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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 | 52.599 | -5.2 | 106   | 0.00     |

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