

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080725\  
 Data File : VW032036.D  
 Acq On : 07 Aug 2025 10:08  
 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 08 04:05:03 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.041  | -0.1  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.518  | -5.0  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.195  | -2.4# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.138  | -2.3  | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.348  | -2.7  | 104   | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 41.315  | 17.4  | 74    | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 47.840  | 4.3   | 100   | -0.01    |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.473  | -6.9  | 106   | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 50.079  | -0.2  | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 267.371 | -6.9  | 106   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.671  | -5.3# | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 34.079  | 86.4# | 19    | -0.02    |
| 14 T  | Allyl chloride              | 50.000  | 49.618  | 0.8   | 99    | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 249.026 | 0.4   | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 245.008 | 2.0   | 103   | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 51.176  | -2.4  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.900  | -5.8  | 107   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.830  | -5.7  | 104   | -0.01    |
| 20 T  | Methylene Chloride          | 50.000  | 49.813  | 0.4   | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.123  | -4.2  | 104   | -0.02    |
| 22 T  | Diisopropyl ether           | 50.000  | 51.275  | -2.5  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.263 | -0.9  | 98    | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.696  | -5.4  | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.423 | -1.0  | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.652  | -1.3  | 97    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.648  | -7.3  | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.011  | 10.0  | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.929 | -0.4  | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.832  | -5.7# | 106   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.800  | 0.4   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.053  | -4.1  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.897  | 2.2   | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | -0.01    |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.057  | -2.1  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.915  | -3.8  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.864  | 8.3   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.406  | -4.8  | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.118  | -4.2  | 102   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.775  | -5.5  | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.818  | 2.4   | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.050  | -0.1  | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.848  | 2.3   | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.677  | -7.4  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.181  | -4.4# | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.186  | -4.4  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.588  | -5.2  | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.439  | 1.1   | 97    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

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 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1249.561 | -25.0 | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.496   | -3.0  | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.155  | 1.5   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.587   | -5.2# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.313   | -4.6  | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.390   | -4.8  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.321   | -2.6  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.141   | -4.3  | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.658   | -1.3  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 225.217  | 9.9   | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 247.498  | 1.0   | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.908   | -3.8  | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.204   | -2.4  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.606   | 0.8   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.348   | -0.7  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.142   | -0.3  | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.402   | -2.8  | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.453   | -2.9# | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.003  | -5.0  | 107   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.301   | -4.6  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.816   | -5.6  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.346   | -0.7  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.488   | -3.0  | 104   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 48.700   | 2.6   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.722   | 4.6   | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.126   | 7.7   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.604   | -1.2  | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.439   | -0.9  | 104   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.439   | -2.9  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.480   | -3.0  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.665   | -1.3  | 104   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.381   | -0.8  | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.719   | -5.4  | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.148   | -0.3  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.514   | -1.0  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.158   | -0.3  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.134   | -0.3  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.185   | 3.6   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.533   | -3.1  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.687   | -3.4  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.607   | 0.8   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.714   | 8.6   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.946   | 0.1   | 109   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.409   | 3.2   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.958   | 2.1   | 102   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_W  
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Quant Title : SW846 8260  
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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 | 47.223 | 5.6  | 98    | 0.00     |

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