

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062025\  
 Data File : VY022774.D  
 Acq On : 20 Jun 2025 19:25  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 21 02:44:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 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    | 57    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.199  | 11.6   | 54    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.748  | 0.5    | 61    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.104  | -4.2#  | 61    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.105  | 13.8   | 58    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.084  | -4.2   | 65    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.260  | 1.5    | 60    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.369  | -8.7   | 62    | -0.01    |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.316  | -6.6   | 62    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 58.588  | -17.2  | 61    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 235.991 | 5.6    | 54    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.363  | -8.7#  | 62    | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 61.412  | 75.4#  | 14    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.310  | -2.6   | 59    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 280.710 | -12.3  | 63    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.472 | 11.8   | 49    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.487  | 3.0    | 56    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 65.621  | -31.2# | 75    | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.708  | -9.4   | 62    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.176  | -8.4   | 69    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 55.979  | -12.0  | 65    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 54.951  | -9.9   | 63    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.872 | -1.1   | 57    | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 58.754  | -17.5  | 68    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 254.386 | -1.8   | 56    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.603  | -7.2   | 61    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 58.287  | -16.6  | 66    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.839  | -11.7  | 66    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 258.816 | -3.5   | 59    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 59.484  | -19.0# | 68    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.232  | 5.5    | 57    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.718  | -13.4  | 64    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.670  | -13.3  | 61    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 61    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.611  | -11.2  | 63    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.947  | -3.9   | 63    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.114  | -0.2   | 58    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.213  | -4.4   | 63    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.630  | 4.7    | 58    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.512  | -9.0   | 66    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 42.561  | 14.9   | 53    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.927  | -7.9   | 66    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.787  | 2.4    | 58    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.426  | -10.9  | 67    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.093  | -12.2# | 68    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.580  | -11.2  | 67    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.427  | -12.9  | 68    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.465  | 7.1    | 56    | 0.00     |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 864.023 | 13.6  | 55    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 53.816  | -7.6  | 62    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.557 | -4.2  | 61    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.502  | -9.0# | 67    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.017  | -6.0  | 64    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.384  | -6.8  | 64    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.593  | -11.2 | 68    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.317  | -4.6  | 62    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.102  | -8.2  | 66    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 286.866 | -14.7 | 70    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 247.226 | 1.1   | 58    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.679  | -9.4  | 66    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.743  | -11.5 | 68    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.793  | -5.6  | 63    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 62    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 59.932  | -19.9 | 73    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.564  | -9.1  | 67    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.894  | -9.8  | 67    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.343  | -6.7# | 65    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.639 | -7.6  | 66    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.670  | -7.3  | 66    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.050  | -8.1  | 65    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.321  | -4.6  | 64    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 61    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.494  | -7.0  | 65    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.847  | 2.3   | 58    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.266  | -0.5  | 61    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.424  | 9.2   | 51    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.161  | -6.3  | 65    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.261  | -6.5  | 65    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.622  | -7.2  | 65    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.818  | -7.6  | 65    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.301  | 5.4   | 59    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.217  | -4.4  | 63    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.817  | -9.6  | 67    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.988  | -6.0  | 65    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.461  | -6.9  | 65    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.597  | -7.2  | 66    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.470  | -6.9  | 67    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.538  | -7.1  | 66    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.003  | -6.0  | 64    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.632  | -9.3  | 67    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.230  | -8.5  | 66    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.805  | -1.6  | 58    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.150  | -4.3  | 64    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.913  | -5.8  | 65    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.381  | -4.8  | 62    | 0.00     |

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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 | 52.877 | -5.8 | 65    | 0.00     |

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