

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052225\  
 Data File : VY022405.D  
 Acq On : 22 May 2025 18:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.72g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 23 03:42:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 16 01:42:09 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    | 59    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.141  | 11.7   | 54    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.538  | -5.1   | 65    | 0.01     |
| 4 C   | Vinyl Chloride              | 50.000  | 57.898  | -15.8# | 69    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 58.464  | -16.9  | 79    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 59.952  | -19.9  | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.793  | 4.4    | 58    | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 50.317  | -0.6   | 60    | 0.01     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.306  | 1.4    | 58    | 0.01     |
| 10 T  | Methyl Iodide               | 50.000  | 54.558  | -9.1   | 59    | 0.01     |
| 11 T  | Tert butyl alcohol          | 250.000 | 224.261 | 10.3   | 57    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.137  | -0.3#  | 59    | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 98.117  | 60.8#  | 25    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.390  | 13.2   | 50    | 0.02     |
| 15 T  | Acrylonitrile               | 250.000 | 241.192 | 3.5    | 58    | 0.01     |
| 16 T  | Acetone                     | 250.000 | 211.756 | 15.3   | 55    | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.765  | 4.5    | 56    | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 61.062  | -22.1  | 77    | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.219  | -0.4   | 60    | 0.01     |
| 20 T  | Methylene Chloride          | 50.000  | 46.231  | 7.5    | 61    | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.579  | -3.2   | 61    | 0.02     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.536  | 6.9    | 55    | 0.01     |
| 23 T  | Vinyl Acetate               | 250.000 | 207.864 | 16.9   | 50    | 0.02     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.548  | -1.1   | 59    | 0.01     |
| 25 T  | 2-Butanone                  | 250.000 | 214.968 | 14.0   | 54    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.010  | 10.0   | 53    | 0.01     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.233  | -4.5   | 61    | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 49.838  | 0.3    | 59    | 0.01     |
| 29 T  | Tetrahydrofuran             | 250.000 | 225.238 | 9.9    | 55    | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 52.987  | -6.0#  | 62    | 0.01     |
| 31 T  | Cyclohexane                 | 50.000  | 43.136  | 13.7   | 53    | 0.01     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.547  | -1.1   | 60    | 0.01     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.464  | -6.9   | 64    | 0.01     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 63    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.655  | -7.3   | 67    | 0.01     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.612  | 6.8    | 57    | 0.01     |
| 37 T  | Ethyl Acetate               | 50.000  | 41.449  | 17.1   | 53    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.941  | 6.1    | 59    | 0.01     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.971  | 10.1   | 56    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.429  | 1.1    | 61    | 0.01     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.266  | 13.5   | 54    | 0.02     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.934  | 4.1    | 60    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 42.381  | 15.2   | 54    | 0.01     |
| 44 TM | Trichloroethene             | 50.000  | 49.133  | 1.7    | 61    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.275  | 3.5#   | 60    | 0.01     |
| 46 T  | Dibromomethane              | 50.000  | 49.224  | 1.6    | 62    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.498  | 1.0    | 61    | 0.01     |
| 48 T  | Methyl methacrylate         | 50.000  | 42.166  | 15.7   | 54    | 0.01     |

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 ALS Vial : 27 Sample Multiplier: 1

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 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 | 950.632 | 4.9  | 63    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.787  | -3.6 | 65    | 0.01     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 217.215 | 13.1 | 55    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.104  | 1.8# | 61    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.073  | 7.9  | 57    | 0.01     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.732  | 6.5  | 58    | 0.01     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.132  | 1.7  | 62    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 45.326  | 9.3  | 57    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.446  | 3.1  | 60    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 261.365 | -4.5 | 61    | 0.01     |
| 59 T  | 2-Hexanone                  | 250.000  | 209.502 | 16.2 | 54    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.616  | 0.8  | 61    | 0.01     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.384  | 1.2  | 62    | 0.01     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.627  | -1.3 | 64    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 64    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.999  | 4.0  | 60    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.611  | 2.8  | 61    | 0.01     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.352  | 3.3  | 61    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.644  | 4.7# | 59    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.944  | 3.1  | 60    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.134  | 1.7  | 61    | 0.01     |
| 70 T  | Styrene                     | 50.000   | 48.635  | 2.7  | 60    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.782  | 6.4  | 60    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 64    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.620  | 4.8  | 60    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 39.709  | 20.6 | 52    | 0.01     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.199  | 5.6  | 61    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.911  | 8.2  | 60    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.052  | 3.9  | 61    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.945  | 6.1  | 59    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.385  | 7.2  | 58    | 0.01     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.497  | 7.0  | 58    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 38.658  | 22.7 | 52    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.739  | 8.5  | 57    | 0.01     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.270  | 5.5  | 59    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.483  | 5.0  | 59    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.420  | 5.2  | 59    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.596  | 6.8  | 58    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.629  | 6.7  | 59    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.294  | 5.4  | 60    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.875  | 8.3  | 56    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.822  | 6.4  | 59    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.608  | 4.8  | 60    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.828  | 8.3  | 60    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.126  | 7.7  | 58    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.061  | 13.9 | 54    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.894  | 2.2  | 63    | 0.00     |

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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 | 47.365 | 5.3  | 60    | 0.00     |

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