

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
 Data File : VY022511.D  
 Acq On : 03 Jun 2025 10:03  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 04 04:08:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.159  | 9.7   | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.765  | 0.5   | 96    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.846  | -1.7# | 93    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.366  | 5.3   | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.331  | -4.7  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.826  | 2.3   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.439  | -0.9  | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.685  | 4.6   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.134  | -4.3  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.557 | -0.2  | 91    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.879  | 2.2#  | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 237.627 | 4.9   | 88    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.983  | 0.0   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 253.468 | -1.4  | 90    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 214.391 | 14.2  | 75    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.043  | -0.1  | 90    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.372  | -10.7 | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.593  | -1.2  | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.882  | 10.2  | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.918  | -1.8  | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.496  | -1.0  | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.435 | -0.2  | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.165  | -2.3  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.928 | 2.4   | 85    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.109  | -0.2  | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.693  | -3.4  | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 59.357  | -18.7 | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.240 | -0.9  | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.658  | -3.3# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.846  | 8.3   | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.007  | -2.0  | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.532  | -3.1  | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.202  | -0.4  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.633  | 2.7   | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.352  | 1.3   | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.960  | 2.1   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.312  | 5.4   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.204  | -0.4  | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.197  | -0.4  | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.581  | -1.2  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.510  | 1.0   | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.009  | 2.0   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.749  | -1.5# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.378  | -0.8  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.199  | -2.4  | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.927  | -1.9  | 93    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 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 | 943.857 | 5.6   | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.750  | -1.5  | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.585 | -1.4  | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.084  | -0.2# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.914  | -1.8  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.428  | -0.9  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.121  | -0.2  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.203  | -0.4  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.900  | 0.2   | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.440 | -7.8  | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 248.499 | 0.6   | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.578  | -1.2  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.829  | -1.7  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.265  | 1.5   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.032  | 1.9   | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.500  | -1.0  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.530  | 0.9   | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.175  | -0.3# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.325  | 1.7   | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.847  | 2.3   | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.608  | -1.2  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.211  | 1.6   | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.906  | 2.2   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.739  | 0.5   | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.668  | 0.7   | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.912  | -11.8 | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.743  | 0.5   | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.060  | 1.9   | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.190  | 1.6   | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.521  | 1.0   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.369  | 1.3   | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.038  | 3.9   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.296  | 1.4   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.704  | 0.6   | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.121  | 1.8   | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.819  | 2.4   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.356  | 1.3   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.715  | 2.6   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.075  | -0.2  | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.550  | 0.9   | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.234  | 1.5   | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.605  | -5.2  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.341  | -2.7  | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.206  | 3.6   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.588  | -3.2  | 93    | 0.00     |

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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 | 50.325 | -0.7 | 94    | 0.00     |

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